

AHMEDABAD MUNICIPAL CORPORATION
MAHANAGAR SEWA SADAN



TENDER NOTICE

Sealed tenders are invited for Rodder Machine as per following items.

Sr. No.	Name of Work	Tender Fee (Rs.)	E.M.D.
1	Supply of Handwheel Operated Sluice Valve (Size 150 mm 30-Nos., 200 mm 30-Nos. & 300 mm 24-Nos. for Various Sewage Pumping Stations of AMC	1500/-	48425/-

Interested bidders may download Tender documents from AMC website: www.egovamc.com and tender should be submitted on or before : 30/03/2010 till 2:00 P.M.

PUBLISHED BY DRAINAGA PROJECT DEPARTMENT

KEEP AHMEDABAD CITY CLEAN AND GREEN

Ahmedabad Municipal Corporation

**Tender Documents
for
Supply of Handwheel Operated Sluice Valve (Size 150 mm 30-Nos., 200 mm
30-Nos. & 300 mm 24-Nos. for Various Sewage Pumping Stations of AMC**

TENDER NO : - 16

Volume I :- Technical Bid

- (1) Date of Issue of Blank Tender Document: From AMC's Website
- (2) Last Date of Tender Submission : 30/03/2010 Up to 02:00 P.M.
By RPAD / Speed Post/ Hand
delivery
- (3) Date of Tender Opening (Technical Bid) : 30/03/2010 at 04:00 P.M.

**Municipal Commissioner
Ahmedabad Municipal Corporation
Sardar Patel Bhavan
Ahmedabad - 380 001.
Gujarat
India**

AHMEDABAD MUNICIPAL CORPORATION
SEWAGE TREATMENT PLANTS DEPARTMENT

**TENDER SHOULD BE SENT
BY HAND DELIVERY / R.P.A.D./SPEED POST/COURIER**

CONDITIONS OF TENDER

Last Date for Receipt of Tender :	Time: - 2:00 P.M.
Date of Opening :	Time: - 4:00 P.M.
Tender Fees :- 1,500/-	E.M.D.:- 48,425/-

Tender for :- Supply of Handwheel Operated Sluice Valve (Size 150 mm 30-Nos., 200 mm 30-Nos. & 300 mm 24-Nos. for Various Sewage Pumping Stations of AMC.

- 1) Sealed tender accompanied by tender fee of Rs.1,500/- in the form of DD in favour of Municipal Commissioner., Ahmedabad and addressed to the Tender Officer, Central Record Office, Municipal Corporation, Sardar Patel Bhavan, Danapith, Ahmedabad - 380001 should be sent by Regd.A.D./Speed Post / Courier / Hand Delivery so as to reach him on or before 2:00 P.M. on Dt.30/03/2010. The bids will be opened at 4.00p.m. on the same day in the office of Tender Officer.
- 2) Rs.48,425/- Shall be deposited with tender as earnest money deposit by Cash / Demand Draft / Pay order or Bank Guarantee in favour of Municipal Commissioner, Ahmedabad without which no tender will be considered.
- 3) Successful tenderer shall have to deposit 5% of the tender amount as security deposit by Cash / Demand Draft / Pay order or Bank Guarantee in the form of Bank Guarantee of approved bank and shall have to sign a contract with the Municipal Corporation as per rules.
- 4) At the time of opening technical and price bid will be opened, Two copies of the Technical Bid & Price Bid shall be sealed in separate envelope & put in one common sealed cover should be sent by Registered Post A.D. or Speed Post or Courier and Hand Delivery. Tender sent by ordinary post will be rejected out right. Tender received late will not be accepted. The telegraphic or postal delay will not be considered for late receipt.

- 5) Equipment or spare part there of replaced / repaired under guarantee / warranty period shall have further warranty for a period of 12 months from the date of repair/replacement.
- 6) The rates quoted by the tenderer shall be inclusive of all taxes, duties, service tax, VAT etc, delivery for AMC, Ahmedabad and no claim in this context shall be entertained.
- 8) Tenderer must give validity of tender for minimum 120 Days.
- 9) Municipal Commissioner reserves the right to accept or to reject any tender in part or full without assigning any reason whatsoever.
- 10) Conditions of tender issued by Municipal Corporation must be duly signed and attached with the tender.
- 11) If the bidder is found to have misled or made false representation in the form of any of the statements submitted in proof of the eligibility and qualification requirement, his bid shall be rejected.
- 12) Bid Security E.M.D.:-
Bid security E.M.D. is required to protect to Corporation against to risk of bidder's conduct.
The bid security E.M.D. may be forfeited.
 - a). if a bidder withdraws his bid during the period of Bid validity

OR

 - b). In the case of successful Bidder, if the Bidder fails to sign the contract or to furnish performance security. No interest will be paid on bid security.
- 13) Tenderer shall have to mention on the cover.
 - A) Drainage Porject Dept.
 - B) Tender for
 - C) Date of Opening
 - D) Name of Tenderer.
- 14) Xerox Copy of the orders executed for similar items & their performance certificates shall be attached.
- 15) Conditional Tender will not be accepted.
- 16) The successful bidder shall have to offer inspection and test at his works/workshop or any recognized test house. All the expenses for the inspection & testing by AMC officials / third party inspection agency will be borne by successful bidder.
- 17) Copies of all of type test, routine test and special test carried out at recognized laboratories must be submitted with inspection call.
- 18) Delivery of valves should be within 120 days from placement of order at our Jamalpur Store, Ahmedabad.

- 19) Failing the delivery schedule penalty at the rate of 1/2% per week with maximum ceiling of 10% will be charged and if failing more than 20 weeks then security deposit can be forfeited and contractor shall be terminated & the contractor will be blacklisted.
- 20) Bidder shall have to furnish name of bank, Name of Branch with address A/c No, MICR No, PAN No. as per attached format in three copies.
- 21) All the tender documents shall be in binding condition with page number.
- 22) Payment will be made only after satisfactory field test.
- 23) Only one make should be offered by tenderer & the tender with alternative offers will be strictly rejected.
- 24) The tenderer must be manufacturer or their authorized dealer, otherwise the tender will be rejected.
- 25) This is subject to the jurisdiction of the competent court of Ahmedabad only.
- 26) The tenderer is required to check the AMC web site for Addendum if any before 48 hrs. of tender submission date and time. The tenderer who quotes the tender without attaching the addendum will be rejected.

Addl. City Engineer (D. P.)

Tenderer's Signature & Stamp

Name

Company's Seal

GENERAL CONDITIONS

1) Eligibility Criteria:-

- 1.1 The bidder must have the financial capability and having average annual turn over of Rs.10.00 Lacs during last 3 years.
- 1.2 The bidder should provide accurate information on any litigation history or arbitration resulting from contracts completed or under execution by him over the last three years. This should also include such cases, which are in process/progress. A consistent history of awards against the bidder of any partner of a joint venture may result in failure of the bid. In case the bidder has not provided such information and has come to the notice of the Authority, the tender will be rejected at whatsoever stage and in such case all the losses that will arise out of this issue will be recovered from the tenderer /contractor and he will not have any defense for the same.
- 1.3 The tenderer shall produce along with their tender a latest solvency certificate of an amount equal to 20% of amount of the tender cost plus the amount of works on hand.
- 1.4 Even though the bidders meet the above criteria, they are subject to be rejected, if they have:
 - Made misleading or false representation in the form, statements and attachments submitted, and/or
 - Record of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

2) Period of validity of Bids:-

Bids shall remain valid for 120 days after the date of Price Bid Opening. A Bid valid for shorter period shall be rejected.

3) Bid Security:-

Bid security is required to protect to Corporation against to risk of bidder's conduct.

The bid security may be forfeited.

a) if a bidder withdraws its bid during the period of Bid validity

or

b) in the case of successful Bidder, if the Bidder fails to sign the contract or to furnish performance security. No interest will be paid on bid security.

4) Standards:-

The goods supplied under the contract shall confirm to the standards mentioned in the technical specifications.

5) Payment:-

Supply – Price Schedule

Payment.

100% payments after delivery of valves against 5% performance Bank Guarantee.

6) Prices:-

Prices charged by the supplier for goods delivery and services performance with the contract shall not vary from the prices quoted by the suppliers.

7) Delivery Period:-

The total period for supply shall be 120 days after receipt of order.

8) Delay in performance (Liquidated Damages) :-

Delivery of the goods and performance of service shall be made by supplier in accordance with the schedule specified in the specification.

An unexcused delay by the supplier in the performance of its delivery obligations shall under the supplier liable to forfeited of its performance security, imposition of liquidated damages and/or termination of the contract by default.

If the supplier fails to deliver any or all of the goods or fail to perform to services within the said period, the corporation shall deduct from the contract price as liquidated damages, a sum equivalent to 0.5 percent of the delivered price, of the delayed goods per week or its part upto maximum of 10% of delayed goods value.

Addl. City Engineer (D. P.)

Tenderer's Signature & Stamp

Name

Company's Seal

1.0 SLUICE VALVES

1.0 SCOPE :-

This specification covers the design requirement features of construction, inspection, testing, painting and delivery of hand operated sluice valves non rising spindle type for suction & delivery valves non rising spindle type.

2.0 CODES AND STANDARDS, MAKE :-

The design and manufacture of the valves shall comply with all currently applicable status, regulations and safety codes in the locality where the equipment will be installed. Nothing in this specification shall relieve the vendor of this responsibility. Valves shall be confirming to IS 14846.

3.0 DESIGN REQUIREMENT FOR SLUICE VALVES :-

- 3.1 Valves shall be resilient - soft seated type.
- 3.2 Wedge shall be encapsulated - EPDM all arround. No exposure of insert to the water. Spindle nut shall be embedded inside.
- 3.3 Body shall be pocket less - flow passage in valves body shall be unobstructed & through.
- 3.4 Double sealing surface ensuring perfect bobble tight seats.
- 3.5 Valves shall be with non rising spindle type.
- 3.6 Valves shall be flanged and drilling shall conform to the standard as specified in data sheet.
- 3.7 Face to face dimension shall be as per IS14846, PD (Short Body)
- 3.8 Gear operation when provided for above 300 mm, the gear shall be grease packed enclosed (Spur / Worm) type. These gear boxes shall be sealed in such a way that there shall be leakage of oil / grease even after long use.
- 3.9 Valves of sizes 450 mm above shall be provided with a drain plug and an air plug.
- 3.10 Thrust on stem collar shall be non metallic trust bearings discs.
- 3.11 Back seating shall be provided in rubber encapsulation on wedge itself.
- 3.12 Minimum pressure drop.
- 3.13 Very operating torque.
- 3.14 Prolonged life.

4.0 CLEANING :-

Prior to factory inspection, all manufacturing waste such as metal chips, debris and all other foreign material shall be removed from the interior of the valve. All mill scale, rust, oil, grease, chalk and all other material shall be removed from the interior exterior surfaces.

5.0 PAINTING :-

Electrostatic epoxy powder or liquid epoxy coating Out Side of Valve Body with minimum thickness of 150 microns - Blue colour.

6.0 DIRECTION OF FLOW :-

Direction of flow shall coincide with the flow direction indicated by "arrow" cast on the valve body.

7.0 TESTS AND INSPECTION :-

7.1 Valves shall be offered for visual inspection and dimensional check.

7.2 Valves shall be tested as per IS 14848 with latest amendments.

7.3 The hydrostatic testing shall be witnessed by the purchaser.

7.4 Valves shall be dispatched only after visual inspection and clearing instruction for dispatch.

8.0 TENDER DRAWINGS :-

The following drawings shall be submitted by Bidder along with the quotation.

Preliminary outline dimensional drawings.

Typical cross section drawings.

Torque calculations.

Selection of gear box & actuator.

Actuator details, gear box details.

Wiring diagraph.

9.0 All Valves to be supplied under this contract shall bear on its body, as cast indications in raised letter : The following information.

1.1 Size of Valves.

1.2 Pressure Rating - PN

1.3 Year of Manufacturing

1.4 AMC

1.5 Manufacturer Brand

1.6 Heat Number.

10.0 Makes.

- (a) Supply of the Manually & Electrically operated sluice valves of **R & D multiples / Kirloskar / Fouress / IVC Make only.**
- (b) Tenderer shall follow the specifications & other conditions strictly as given in tender document & shall not offered any alternate design or make.
- (c) Tenderer shall submit the data sheet as per Annexure along with the manufacturer certificate as per format.
- (d) (These instructions are provided to assist the tenderer while repairing their tenders. They form part of the contract & they shall be taken into consideration in interpreting or construing the contract)
- (e) Valve manufacturer shall have turnover of 10.00 corers for at least last 3 financial years.

11.0 Approval of G.A. Drawings & AQP.

The successful one contractor shall submit the 6 sets of G.A.Drawings & QAP for approval within 4 weeks of receipt of letter of intent. Getting the approval of drawings, by quickly furnishing the necessary technical details, will be responsibility of the contractor. The approved G.A.Drawings sets will be distributed as follows.

- i) 2-Sets to contractor – One set for the contract & one set for the manufacturer.
- ii) 1-Set to GM office.
- iii) 1-Set. To third party inspection agency.
- iv) 2-Sets will be kept hold in CE – Office.

12.0 Instruction Manual.

The contractor shall send 4 sets of instruction manual to dept. The manual shall include details of all types of valves & accessories under the contract.

13.0 The instruction manual shall consist of the followings.

- i) Copy of approved G.A. Drawings & QAP.
- ii) Information necessary for dismantling & reassembling each item of plant.
- iii) Maintenance instruction, maintenance checklist.
- iv) List of spare parts & lubricants.

14.0 Compliance with standard specification.

The details technical & design – spares are given in tender document & shall be strictly followed by the contractor / manufacturer. Where reference is made in specification to Indian / British / American / DIM Standard, it shall be to the latest revision of that standard at the supply date. The approval of any other standard or equivalent to or better than the referred specifications will not be considered.

15.0 Material General.

The MOC shall be as per the detailed specifications given. Where the material to be used has not been laid down in the detailed specifications, the contractor shall use only those materials in such composition as have been proved in actual service to be most suitable for the particular purpose.

16.0 Identification plates & labels.

Each main & auxiliary part of value shall have permanently attached to it, in a conspicuous position the identification plate of the manufacturer made out of weather resistant material i.e. stainless steel with following details.

Name of manufacturer, Logo, Valve Size / Type / PN Rating, Valve Sr.No., Year of manufacturing.

17.0 Test report.

The contractor shall submit 6 sets of Raw material, test report, inspection reports, performance test report, dimensional check report at the time of delivery of goods.

18.0 Inspection and Testing.

The supplier shall provide personnel, material and all other facilities required for inspection / testing of the components and the completed valves, gearbox. The testing shall be carried out as follows the necessary test certificate which would be reviewed shall be submitted along with the inspection call for review of the engineer.

18.1 Component Test.

- i) Valves bodies, Discs, Spindles etc. shall be offered for inspection such as dimensional check-ups, casing defects, weights and general appearance and all these observations shall be tabulated and recorded properly. The manufacturer shall conduct materials test on test pieces as per various heat numbers of castings.
- ii) Fasteners, Seats, Gaskets etc. shall be tested on random basis.
- iii) For all the materials of Valves, Gearbox as per QAP. These tests shall have to be carried out in a Government laboratory / accredited

laboratory / ISO-9002 certified agency by the gearbox manufacturer.
The inspection engineer, if desired shall witness these test.

18.2 Movement test – Manually & electrically.

Each valves with the manual operator mounted on the valves shall be shop operated three times from the fully open position to the fully closed position and reverse, under no flow conditions, to demonstrate that the complete assembly is workable and the torque required for each valve shall be measured with appropriate device and recorded. Number of turns required for all operation alongwith the time be counted and recorded.

18.3 Hydrostatic and Leakage tests.

Each valves will be installed with flanges in vertical position.

The following test should be carried out on each valves assembly under “Open End” test conditions.

- i) Leakage test (Seat Test) : With the valves wedge in the closed position and one end open to atmosphere, the rated pressure of 16 Kg / Cm² shall be applied to each side of the wedge in turn for a period of 3 min. each. The leakage past the seat from either side shall be nil.
- ii) Hydrostatic test : With both ends closed and the sluice valves wedged in the slightly open position, a pressure of 24 Kg / Cm² shall be applied to the whole valves body for a period of 5 min. Under these test there shall be no leakage through the metal, the flanged joints or the valves shaft sealing.

Addl. City Engineer (D. P.)

Tenderer's Signature & Stamp

Name

Company's Seal

19.0 Testing & Delivery Schedule for Valves (Mandatory) :

Sr. No.	Activity	Agency	Period
01	Submissions of G.A. drawings, QAP, design details.	Contractor	Within 4 weeks upon receipt of L.O.I.
02	According to approvals to above details	CE	Within 10 days after necessary corrections, modifications if by the Contractor / manufacturer.
03	Making preparation of Castings	Contractor / Manufacturer	Within 15 days from the G.A. drawings approval.
04	Call for the inspection of Castings pouring in process to HMWSSB / Third party inspection Agency.	Contractor	Within 10 days from the Sr. No.3 is completed.
05	Call for inspection, testing of assemble Valves as per specifications	Contractor	Within 60 days after Sr. No.4 is completed.
06	According approvals there of & dispatch clearance.	CE / AMC	Within 7 days after Sr. No.5 is completed.
07	Painting & Dispatch	Contractor / Manufacturer	Within 10 days after Sr. No.6 is completed.

Addl. City Engineer (D. P.)

Tenderer's Signature & Stamp

Name

Company's Seal

PROJECT :- Various Sewage Pumping Station of AMC
DOCUMENTS :- Technical Data Sheet for Handwheel Operated Sluice Valves.

Sr. No.	Particulars	Description	Blank Data to be Filled by Bidder
1	Item	Sluice Valves	
2	Size range and quantity	150 mm 200 mm 300 mm	
3	Fluid / Specific Gravity	Sewage / 1.02	
4	Pressure Rating	PN 1.0	
5	Stem	Non Rising Spindle	
6	Ends	Flanged, flat faced flanges as per IS - 1538 having off center bolts holes.	
7	Bonnet	Bolted	
8	Disc	Solid wedge	
9	Operation	Handwheel / Actuator Operated	
10	Seat	Body - Renewable Disc - Renewable	
11	Other requirements	Valves shall close in clockwise rotation of the hand wheel.	
12	Body / Bonnet	S.G.Iron IS 1865 GR 500/7	
13	Wedge	S.G.Iron IS 1865 GR 500/7 - Encapsulated with EPDM	
14	Stem	S.S. AISI - 410 (M)	
15	Body Seat	S.S. AISI - 410 (M)	
16	Wedge Seat	EPDM all around on disc	
17	Stem Nut	Bronze IS 315 Gr. LTB 2 - Encapsulated with wedge	
18	Back seat bush	Non metallic with wedge	
19	Thrust bearing	Teflon	
20	Gasket & Seals	EPDM	
21	CAP / Handwheel	S.G. Iron IS 1865 GR 500/7	

22	Fastners	ST. Steel 304 / Plated Steel	
23	Shell Tests	15 Kg. / Cm2	
24	Seat Test	10 Kg. / Cm2	
25	Back Seat Tests	06 Kg. / Cm2	

M - Denotes material test required.

Addl. City Engineer (D. P.)

Tenderer's Signature & Stamp

Name

Company's Seal

PROJECT :- Sewage Pumping Stations

DOCUMENTS :- Data Sheet to be furnished by bidder

Sr. No.	Particulars	Description
1.0	Make	
2.0	Size in mm	
3.0	Rating Kg. / Cm ²	
4.0	Liquid	
5.0	Type of operation	
6.0	Material of construction	
6.1	Body, Bonner	
6.2	Wedge	
6.3	Stem	
6.4	Seal	
6.5	Trust Bearings	
6.6	Hardwares	
7.0	Test Pressure	
7.1	Body	
7.2	Seat	
7.3	Seal	
8.0	Flange drilling standard	IS 1538 Part IV & VI
9.0	Standard used or design & Mfg.	IS 14846 - 2000 PD
10.0	Standard used to testing	IS 14846 - 2000
11.0	Face to face dimension & standard	IS 14846 - 2000 PD

Addl. City Engineer (D. P.)

Tenderer's Signature & Stamp

Name

Company's Seal

CHECKLIST

Sr. No.	Description	Confirmation of the tenderer Yes / No
1	I.S.O. – 9001 Certificate of the Valves Manufacturer.	
2	I.S.O. – 9001 Certificate from the manufacturer of gear boxes, accessories, casting, etc.	
3	Authorization letter from manufacture, Drawings and Technical Literature.	
4	Name and addresses of vendors (major) with list of vendor items	

Addl. City Engineer (D. P.)

Tenderer's Signature & Stamp

Name

Company's Seal

FORMAT FOR THE AUTHORIZATION LETTER TO BE SUBMITTED BY THE TENDERER FOR VALVES FROM THE VALVE MANUFACTURER ON VALVE MANUFACTURER'S LETTERHEAD.

Ref. :-

Date:

To,

Sub :- Authorization Letter.

Ref. :- Your NIT No.- _____ Due on _____

Dear sir,

We (Name of manufacturer & address, phone, email id etc) hereby authorized.

M/s. _____ (Name the tenderer & address) to submitted tender with our _____ m, band / make of valves required in the contract package.

We assure the delivery & quality of valves as per the contract specs. Also we shall extend all type of services & guarantee of working performance for the valves under this contract if the valves supplied through the said contractor.

We also undertake to supply of aove said brand valves for said contract as per the technical specs given & all terms, condition & specifications shall be strictly followed by us. No alternation or superior specs or make will be offered at the time of approval of G.A. DRGS & QAP approval.

TENER NO. : - 16
AHMEDABAD MUNICIPAL CORPORATION
SCHEDULE OF PRICE

Name of Work :- Supply of Handwheel Operated Sluice Valve (Size 150 mm 30-Nos., 200 mm 30-Nos. & 300 mm 24-Nos. for Various Sewage Pumping Stations of AMC.

Sr. No.	Description	Quantity	Rate (Rs)	Amount Rs
1	Supply of Handwheel Operated Sluice Valve for Sewage Pumping Station of AMC.			
	A). 150 mm	30-Nos.		
	B). 200 mm	30-Nos.		
	C). 300 mm	24-Nos.		
	Total Rs.			

Addl. City Engineer (D. P.)

Tenderer's Signature & Stamp

Name

Company's Seal