OFFICE OF THE BOARD OF COUNCILLORS OF
OLD MALDA MUNICIPALITY
Memo no – 295/NIeT/OMM/2022-23 Dated 12.05.2022
Notice Inviting Electronic Tender

Tender Notice No: 19 to 21 of Chairman/OMM/2022-23 (2nd call)

The Chairman, Board of Councilllors of OLD MALDA Municipality, on and for behalf of the Board of Councillors, invites sealed competitive e-Tender on **Item rate basis** from reputed, resourceful, bonafide and experienced contractor/ Company / firm / Public Sector Undertaking / Government Company having experience of execution of house service connection works or who have completed laying of rising main/conveying main/distribution line of any water supply project in any Govt. Departments/Local Bodies/PSU (Submission of both technical and price Bid through online).

Table – I

NIeT no	Name of the Work	Annual Turn-Over (Rs.)	Bank Solvency (Rs.)	Period of Completion
19	House Service Connection up to consumer premises from newly laid DI/HDPE Pipe Line with MDPE pipes (for new connections) and necessary accessories including supplying, fitting, fixing and testing of Water Meter (for new as well as existing connections) in **Ward No. 01 to 06 (3112 nos. New connection with metering arrangement & 735 nos. metering arrangement to existing connections)** within Old Malda Municipality.	Not less than 90 Lakh	Not less than 40 Lakh	**180 days**
20	House Service Connection up to consumer premises from newly laid DI/HDPE Pipe Line with MDPE pipes (for new connections) and necessary accessories including supplying, fitting, fixing and testing of Water Meter (for new as well as existing connections) in **Ward No. 07 to 11, 19 & 20 (2145 nos. New connection with metering arrangement & 2470 nos. metering arrangement to existing connections)** within Old Malda Municipality.	Not less than 90 Lakh	Not less than 40 Lakh	**180 days**
21	House Service Connection up to consumer premises from newly laid DI/HDPE Pipe Line with MDPE pipes (for new connections) and necessary accessories including supplying, fitting, fixing and testing of Water Meter (for new as well as existing connections) in **Ward No. 12 to 18 (2177 nos. New connection with metering arrangement & 2552 nos. metering arrangement to existing connections)** within Old Malda Municipality.	Not less than 90 Lakh	Not less than 40 Lakh	**180 days**

Scope of Work: Providing Supply, Installation, Fittings, Fixing, Testing and Commissioning of House Water Supply Connections with MDPE pipe of 20mm OD (for new connections & for metering arrangements in new & existing connections) & PE Compression EF fittings 20mm, Excavation, all short of Bituminous/Concrete Road up to depth of Distribution Pipe line; Cutting, Fittings, Fixing, MDPE /P.E. pipe fittings up to Meter Box, inside/outside, to consumer premises (average 10mtrs for new connection and average 1mtr for metering arrangement in existing connections), including permanent restoration of the existing Bituminous/Concrete/ Brick pavement/Paver Block Road to its original condition, repairing of damages of Under Ground Drainage line, Electrical lines, Tele phone lines other water supply line, crossing drain line through G.I. (Medium) Casing pipe Including Leakage Testing, Supply of MDPE Pipes 20mm OD PE 100 PN 16, PE Both side Compression Elbow 90 deg. 2 nos., PE one side Compression other side SS insert F thread Elbow 90 deg. 1 nos., PE Adopter with SS inserts M/F Thread Compression 2 nos., PE Compression Ball Valve 1 No., (excess quantity of fittings should be provided as per site condition), 1 no. Brass Ferrule confirming to IS 2692-1984 (reaffirmed 2005), 1 no. NRV, 1no. PE Meter Box/ Cabinet with Common Lockable Key, Length 325mm, Width 245mm, Height 175mm suitable for Cover Meter, Back filling with Silver sand over Ferrule up to Road Level and also remove surplus Earth from Road side in case of Ferrule situated on road flank, but in case of ferrule situated on road,

back fill with silver sand to be done over ferrule up to bottom of sub-base layer and the road need to be restored to its original condition and also the surplus earth from road need to be removed, including Supply, Delivery, unloading and proper stacking and proper installation at site of 15mm dia Multi-Jet type Water Meter 1 no., must be AMR Compatible, Class B, +/- 2%, IS 779/ISO 4064, Admissible Pr. Max. 16 kg/cm² 360° Orientable, Cybal Coumputable, Magnetic transmission drive, Copper can Mineral Glass 5mm Thick Envelope, Extra dry Dial, Totalizer, Protection Class IP 68, Strainer Inbuilt, MID Certification Marked, Certificate from weights measures, with Brass Nuts & Nipples, fixing of meter as per direction of EIC.

1. In the event of e-Filing intending bidder may download the tender document from the website directly by the help of Digital Signature Certificate.
2. In the event of online submission, both technical Bid (Part-I) and Financial Bid (Part-II) will be submitted concurrently duly digitally signed in the Website **https://wbtenders.gov.in**
3. Credential:

i. Tenderer must submit credential as tabulated below from any Govt./Govt. Local Body/Govt. Undertakings:

Table – II

Zone No.	Credential Requirement for participation in tender						
	At least one completed work of House Service connection within the last five years from date of Publication of this NIeQ.		Completed pipelines works of any water supply scheme.	At least two completed work of House Service connection within the last five years from date of Publication of this NIeQ.		One running work of House Service connection/pipelines works of any water supply scheme, completed to the extent of 75% or more	
(1)	In Nos. (2)	In Amount (Rs.) (3)	In Amount (Rs.) (4)	In Nos. (5)	In Amount (Rs.) (6)	In Amount (Rs.) (7) For HSC	For Pipeline
I	**1154**	**71.78 Lakh**	**95.71 Lakh**	**962/work**	**59.82 Lakh/work**	**71.78 Lakh**	**95.71 Lakh**
II	**1385**	**69.96 Lakh**	**93.28 Lakh**	**1154/work**	**58.30 Lakh/work**	**69.96 Lakh**	**93.28 Lakh**
III	**1419**	**71.48 Lakh**	**95.30 Lakh**	**1182/work**	**59.56 Lakh/work**	**71.48 Lakh**	**95.30 Lakh**

- The bidders, participating in any group, should have credential as mentioned under column (2) or column (3) or column (4) or column (5) or column (6) or column (7) of Table – II.
- In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency, i.e., the tenderer.
- Valid Completion certificate along with copy of work order and payment certificate will be treated as credential.

ii. Having annual turnover as mentioned in Table – I above in any one year of last five financial years.

iii. Tenderers should submit Solvency certificate as mentioned in Table – 1 above from their banker / bankers regarding financial capability. This Solvency Certificate to be issued after publication of this NIeT.

iv. **In case of any tenderer intending to apply in more than one group, Credentials including Bank Solvency & Annual Turn-Over to be submitted in cumulative manner.**

v. In case of Proprietorship and Partnership Firms and Company, the Tax Audited Report along with **3CD form** to be furnished along with balance sheet and profit and loss account and all schedules forming the part of Balance Sheet and Profit & Loss Account in favour of applicant.

vi. The intending tenderer will have to produce the following information / data / credentials / certificates etc. to the undersigned along with the prayer for obtaining permission to participate in the tender.

   a. Copy of PAN Card.
   b. Copy of the GST registration certificate.
   c. Copy of the Professional Tax clearance Challan.

The documents as mentioned above will be examined in order to assess the eligibility of the applicant to participate in the tender. On being satisfied about the eligibility, part-II financial bid will be opened.

vii. Each Tenderer shall submit their tender offer marked Part-I and Part-II. The Part-I shall contain "TECHNICAL PART OF THE OFFER & COMMERCIAL TERMS" and Part-II shall contain "PRICE BID".

In the Technical part of the offer each tenderer must submit all the relevant documents, mentioned above. Failure to comply with the above requirement or submission of incorrect / incomplete information may call for rejection of the tender summarily without any further notice to the tenderer.

4. Date & Time Schedule:-

Sl	Particulars	Date and Time
1	Date of uploading of NIT Tender Documents (online) (Publishing date)	19.05.2022 at 14.30 hour
2	Document download to participate in e-tender start date (online)	*19.05.2022* from 15 hour
3	Both Technical and financial bid submission starting date (online)	*19.05.2022* after 16 hour
4	Both Technical and financial bid submission closing date (online)	*10.06.2022* upto 15 hour
5	Date of opening of Technical Proposals (online)	13.06.2022 at 11 hour
6	Date of opening of financial bid (online)	Will be notified later

5. The partnership firm shall furnish the registered partnership deed and the company shall furnish the Article of Association and Memorandum. [Non-Statutory Documents].

6. Where there is a discrepancy between the rate in figures & words the rate in words will govern.

7. Constructional Labour Welfare Cess @ 1 (one) % of cost of construction will be deducted from every progressive bill. GST, Royalty & all other statutory levy / Cess will have to be borne by the contractor & the rate quoted by them should be inclusive of all the taxes & cess etc.

8. **Earnest Money:** 2% of the Quoted Bid price in two parts, vice the requisite Earnest Money, as specified in this NIeT –

i. Initial Earnest Money – Rs. 50,000.00 (Fifty Thousand) only for each group.
ii. Balance amount of 2% of the Quoted Bid price will be deposited by the L1 Bidder after acceptance of Bid Proposal for each group as per direction of Municipal authority.

Earnest Money will be deposited by the bidder through the following payment mode as per Finance Department Order No. 3975-F(Y) dated 28th July, 2016 (Annexure – A) – through Net banking / RTGS / NEFT (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI bank payment gateway.

Tender will be declared informal if earnest money is not submitted as directed above.

9. **Security Deposit:** Balance amount of security deposit @ 1% (one percent) will be deducted from each and every progressive bill to make 3% (three percent) security deposit as per terms of the contract and the same will be refunded in two instalment viz. @ 30% of the SD shall be refunded after expiry of two years from the actual date of completion of the work and balance @70% of the SD shall be refunded after expiry of three years from the actual date of completion of the work.

10. **Defect Liability Period** of this work is as per clause 17 of tender form amended vide order No. 5784-PW/L&A/2M-175/2017 Dated: 12.09.2017**.**

11. As per G.O. No:-4608-F(Y), dated:-18th July, 2018 of Finance Department Govt. of West Bengal, the **Additional Performance Security** @10% of the Tender amount shall be obtained from the success full bidder, if the accepted bid value is 80% or less of the estimate put to tender. The additional performance security shall be submitted in the form of Bank guarantee from any schedule Bank before issuance of the work order. If the bidder fails to submit the Additional Performance Security within the seven working days from the date of issuance of letter of Acceptance, his Earnest Money will be forfeited and other necessary actions as per NIT like blacklisting of the contractor, etc. may be taken.The Bank Guarantee shall have to be valid up to end of the Contract Period and shall be renewed accordingly, if required.

    The Bank Guarantee shall be returned immediately on successful completion of the Contract. If the bidder fails to complete the work successfully, the Additional Performance Security shall be forfeited at any time during the pendency of the contract period after serving proper notice to the contractor. Necessary provisions regarding deduction of security deposit from the progressive bills of the contractor as per relevant clauses of the contract shall in no way be altered/affected by provision of this Additional Performance Security.

12. No conditional/ incomplete tender will be accepted under any circumstances.

13. Intending Bidders are required to inspect the site of the Project with particular reference to location and infrastructure facilities. They are to make a careful study with regard to availability of materials and their sources and all relevant factors as might affect their rates and prices. They are also acquainted with relevant IS specifications with latest amendments, IE Rules, CPHEEO manuals, Clauses & Sub Clauses of the Tender documents and to have fully acquainted with all details of work front, communications, underground utility services, seasonal weather and its variation, labours, water supply, existing & proposed site levels, Highest Flood Level(HFL), Finished Ground Level(FGL) position and diversion of transportation and barricading , if required, electricity and any other general information including topological condition & existing level and level pertaining to and needed for the work to be completed in time properly.

14. A full set of Tender documents consists of 2 Parts. These are

    PART I:- Containing all documents in relation to the name of the firm applied for and credential possessed along with all documents, this NIT and its all corrigenda's.

    And

    Section A: Special Terms & Conditions. &

    Section B: Annexure under Section B:

    A. Tender & Contract for Works (General rule & Direction for Guidance of Bidders/Contractors) i.e. WBF 2911/2911(i)/2911(ii) as applicable

    B. Online Receipt & refund of e-Tender through State Govt. e-Tender Portal (G.O No. 1526-F(Y) dt. 18.03.2014 of FD, Govt. of WB)

    C. Online Receipt & refund of EMD of e-procurement through State Govt. E-Procurement Portal (G.O No. 3975-F(Y) dt. 28.07.2016 of FD, Govt. of WB)

    D. Amendment of rules For WBF 2911 (G.O No. 4374-F(Y) dt. 13.07.2017 of FD, Govt. of WB)

    PART II:- Tender Price / Price Schedule.(.xls format)

15. The Chairperson, Board of Administrators, Old MaldaMunicipality reserves the right to cancel the NIeT due to unavoidable circumstances and no claim in this respect will be entertained.

16. During scrutiny, if it comes to the notice of the tender inviting authority that the credential or any other papers submitted are found incorrect/manufactured/fabricated, that tenderer will not be allowed to participate in the tender and that application will be out rightly rejected without any prejudice.

17. The tender inviting authority reserves the right to accept or reject any bids and to cancel the bidding process without assigning any reason whatsoever to the tenderer.

18. Qualification Criteria

The Tender Inviting & Accepting Authority through an 'Evaluation Committee' will determine the eligibility of each bidder, the bidders shall have to meet all the minimum criteria regarding:-

a) Financial Capacity
b) Technical Capability comprising of personnel & equipment capability (NIeT Part-I)
c) Experience

The eligibility of a bidder will be ascertained on the basis of the documents in support of the minimum criteria as mentioned in a, b, c above and the declaration executed through prescribed affidavit in non-judicial stamp paper of appropriate value duly notarized.

If any document submitted by a bidder is either manufactured or false, in such cases the eligibility of the bidder / tenderer will be rightly rejected at any stage without any prejudice.

Sd/-

The Chairman
Old Malda Municipality

Memo. No. Dated:

Copy forwarded to:

1. The Chief Engineer, Municipal Engineering Directorate, Govt. of West Bengal, Bikash Bhavan, Salt Lake, Kolkata.
2. The Addl. Chief Engineer (N), Municipal Engineering Directorate, Govt. of West Bengal, Bikash Bhavan, Salt Lake, Kolkata.
3. The Superintending Engineer, Central Circle, Municipal Engineering Directorate, Govt. of West Bengal, Malda
4. The Executive Engineer, Municipal Engineering Directorate, Malda Division, Govt. of West Bengal.
5. District Magistrate, Malda
6. S.D.O Malda
7. Office Notice Board.
8. Website: - *www.omm.org.in*

Sd/-

The Chairman
Old Malda Municipality

GENERAL SPECIFICATIONS OF MATERIALS TO BE USED FOR HOUSE CONNECTIONS

Material and Design Specifications

MDPE Pipes:

MDPE Pipes shall be made out of MDPE raw materials and it must have approvals. The pipes shall be conforming to ISO:4427, PN 16 PE 100. The pipes should have carried all mechanical and chemical properties in accordance to ISO:4427. Pipes should be suitable for electro fusion jointing and shall be flexible enough to hold the compression fittings. All MDPE pipes shall be supplied in single length of 200 meters in coil form and both ends shall be covered by PE end as protection cap during transit. Manufacturers test certificate along with raw materials manufacturer's test certificate is mandatory.Random inspection for pipe, fittings, water meter will be carrying out.

Installation and Fusion Jointing

The fusion jointing process is to be carried out is as per the procedure outlined in the **DVS2202** standard, if not available equivalent standards acceptable to employer. A protocol for each fusion joint to be printed to ensure the joint process carried out is error free. The electro fusion machine shall have the facility to record & make print for each joint. The precautions & measures as mentioned by electro fusion fittings/machine manufacturer should be taken up rigorously while making the joints in the field. The related pipe jointing accessories such as rotary pipe cutter, Universal clamping tools, Pipe cleaners, Pipe peelers supplied by the same electro fusion fitting/machine supplier shall be used to ensure perfect jointing. The usage of tapping tools such as taping keys, supplied by the same electro fusion fitting /machine supplier must be used to ensure perfect tapping of main lines. The piping system will be tested as per the guidelines given by ISO standard. The guideline shall be furnished by the supplier of electro fusion fittings, tools and machines.

Electro fusion Welding Machine

The electro fusion control unit shall be designed for use with electro fusion fittings of 40V. The unit shall operate in two modes, Automatic & Manual.The unit shall be complete with all accessories and shall have the following features as minimum.

1.1 All units are to be provided with a single push button start and have additional information recoverable.

1.2 The initial power supply to enable the control unit to function correctly for all fitting and saddle sizes up to nominal diameter 400 mm should not exceed 4 KWA.

1.3 The unit is to be designed with an automatic compensator so that it can fully operate within input tolerances of between 180 and 264 Volt, respectively 45 and 65 Hz.

1.4 The units are to operate with a stabilised fusion voltage.

1.5 The range of fusion voltage is to be between 39 and 40 volts.

1.6 The display shall be scratch-resistant, back-lit, be easily readable, have an adjustable contrast function and give relevant information such as:

- recognition of fitting type, dimension and manufacturer
- resistance of connected fitting
- a check-system prior to commencement of fusion process
- actual running and final fusion time in seconds
- primary voltage and frequency
- Ambient temperature**.**
- individual fusion number and unit number
- mode of data transfer
- appropriate cooling time

1.7 A temperature sensor is to be provided.

1.8 The minimum operating range of ambient temperatures is to be between -10° and +45°C and the unit must equipped with an external ventilator for continual operation.

1.9 The unit must be capable of recognizing and processing different manufacturer's products.
1.10 Adapter clips for 4 mm terminal pins are to be available.
1.11 An external memory bank must be able to record at least 450 fusion records and be easily accessible and exchangeable.
1.12 The complete control unit must be contained in one single housing and not exceed a maximum weight of 21 kilograms including all standard primary and secondary cables.
1.13 The supplier must be able to provide a full range of system software and data transmission accessories as applicable for data processing.
1.14 The ability to download fusion records from all memory systems via an RS 232 interface is to be provided.
1.15 A back-up internal reserve memory with override must to be provided.
1.16 The protection class of the unit shall be at least IP 65.
1.17 A lightweight transport box with internal document pocket is to be provided.
1.18 All control units must fulfil the Electro-Magnetic Compatibility regulations in accordance with the latest European standards.

Specification

Operating Temperature Range (Min).	**:**	-10 to +45 Deg C
Operating Voltage Range (min)	**:**	190 V to 265 V, 40 to 70 Hz
Output Voltage	**:**	39 to 40 V
Enclosure Protection	**:**	IP 54 class1
Input Cable length	**:**	Minimum 3 meters
Output Cable length	**:**	Minimum 3 meters

TECHNICAL SPECIFICATIONS FOR COMPRESSION FITTINGS

90 DEG COMPRESSION ELBOW WITH METAL INSERT

One end of the Metal threaded compression Elbow will be with Taper male threads & other end will have compression fitting suitable to connect to PE pipe. The Taper male threads will be pressure tight. Pressure rating will be PN16/12.5Product As per KIWA/WRc-NSF/BSEN12201/3 EN1555/3

Body, Nut and Thrust Ring will be injection moulded from Polypropylene and UV stabilized body & thrust ring black in colour, Nut blue in colour. Lip gaskets in Food safe Rubber (NBR) black colour must have a conical shape on inside of gasket for easy insertion of pipe & with two lips on bottom to guarantee good sealing. Clamp ring material will be Poly-acetal (POM) white colour and shall not be connected to thrust ring. Male threaded part will be made of SS 304.

The product will be tested as per below

Type test	Standard
Dimensions of the threads	ISO 7/1
Tightness of the joints	ISO 3458
Tightness of the joints when subjected to bending	ISO 3503
Resistance to pull-out	ISO 3501
Internal under-pressure test	ISO 3459
Long term pressure test	ISO/DIS 14236

90 DEG COMP ELBOW with COMPRESSION JOINT BOTH ENDS

The Compression Elbows will have compression ends in both sides, so that PE pipes can be connected at both ends. Pressure rating will be PN 16/12.5 Product As per KIWA / BSEN12201/3 EN1555/3WRc-NSF

Body, Nut and Thrust Ring will be injection moulded from Polypropylene and UV stabilized body & thrust ring black in colour, Nut blue in colour. Lip gaskets in Food safe Rubber (NBR) black

colour must have a conical shape on inside of gasket for easy insertion of pipe & with two lips on bottom to guarantee good sealing. Use of O ring not permitted. Clamp ring material will be Poly-acetal (POM) white colour and shall not be connected to thrust ring. Product should be KIWA approved.
The product will be tested as per below

Type test	Standard
Dimensions of the threads	ISO 7/1
Tightness of the joints	ISO 3458
Tightness of the joints when subjected to bending	ISO 3503
Resistance to pull-out	ISO 3501
Internal under-pressure test	ISO 3459

FEMALE THREADED ADAPTER with METAL OFFTAKE

One end of the Female adaptor with metal off take will be with female threads & other end will have compression fitting suitable to connect to PE pipe. The Taper male threads will be pressure tight. Pressure rating will be PN16.
Body, Nut and Thrust Ring will be injection moulded from Polypropylene and UV stabilized body & thrust ring black in colour, Nut blue in colour. Lip gaskets in Food safe Rubber (NBR) black colour must have a conical shape on inside of gasket for easy insertion of pipe & with two lips on bottom to guarantee good sealing. Use of O ring not permitted. Clamp ring material will be Poly-acetal (POM) white colour and shall not be connected to thrust ring. Female threaded part will be made of SS 304. Product As per KIWA / SDR 11,BSEN12201/3 EN1555/3 Pr. Rating PN 16/ 12,5.
The product will be tested as per below:

Type test	Standard
Dimensions of the threads	ISO 7/1
Tightness of the joints	ISO 3458
Tightness of the joints when subjected to bending	ISO 3503
Resistance to pull-out	ISO 3501
Internal under-pressure test	ISO 3459
Long term pressure test	ISO/DIS 14236

UPVC BALL VALVES (STOP TAP)

The U PVC ball Valves will have Compression end on one side to connect PE Pipes and female threading on the other side for connecting BSP threaded fittings or pipes. The product shall confirm to ISO 4422-4 Standards and pressure rating will be PN 16. The product should be suitable for use in drinking water for human consumption.

Body, Nut and Thrust Ring will be injection moulded from Polypropylene and UV stabilized body & thrust ring black in colour, Nut blue in colour Lip gaskets in Food safe Rubber (NBR) black colour must have a conical shape on inside of gasket for easy insertion of pipe & with two lips on bottom to guarantee good sealing. Use of O ring not permitted. Clamp ring material will be Poly-acetal (POM) white colour and shall not be connected to thrust ring.

The Compression Fittings & U PVC Ball Valves for drinking water applications should have undergone type test by WRc-NSF, U.K. according to BS 6920 and a certificate from either WRc-NSF or WRAS (Water Regulations Advisory Scheme) should be available evidencing this fact.
Product As per KIWA / SDR 11,BSEN12201/3 EN1555/3 Pr. Rating PN 16/ 12,5.

SPECIFICATIONS FOR MULTIJET CLASS–B DOMESTIC/COMMERCIALWATER METERING SYSTEM (SIZE 15 mm to 25 mm)

Parameters	Specification
Meter Size and overall dimensions	Nominal diameter of the meters shall be 15mm. Meter threads, nominal flow rate, minimum length of threads on either side; overall dimensions shall be as per table 2 of IS 779 - 1994 or table 1 of ISO 4064 (Part 1).
Scope of Application	The meter will be used for the measurement of cold, chlorinated potable water.
Applicable Standards	The meter shall conform to both IS: 779 - 1994 and ISO: 4064 (Part1) standards with latest Amendments. The meters would be supplied with ISI/EEC/MID Marked.
Meter Type	The meters shall be: Multi-jet Inferential meters, Super dry dial, Hermitically sealed, Class B, preferably 360 degree orientable totalizer
Protection class	IP-68 totalizer
Accessories	The meter shall include the following accessories: • Two sets of Brush nut & Nipples. • The meter shall be supplied with a tubular strainer in the inlet of the water meter with holes not less than twice the area of nominal inlet bore of the pipeline to which it is fitted.
Flow rate	Minimum, maximum and transition flow shall be as per relevant standards.
Accuracy Class	The maximum permissible error in the metering accuracy of the meter, when determining as per IS 6784:1984 shall be as under; 1. In the lower region of flow [Q_{min} (inclusive) to Q_t (exclusive)] - ± 5% 2. In the upper region of flow [Q_t (inclusive) to Q_{max} (inclusive)] - ± 2%
Pressure and Temperature	Pressure and Temperature shall be in accordance with ISO 4064 class B and IS 779 – 1994 and its latest amendments.
Pressure Loss	The pressure loss shall be in accordance with ISO 4064 class B, or Clause 10.2 of IS 779 – 1994 and its latest amendments.
Seal	Sealing holes shall be provided and the meter shall be sealed in such a manner as to render it impossible to obtain access to the measuring units including registration box and cap without breaking the seal. The sealing wires shall be of rust free.
Material	All the materials used to construct/manufacture customer meters shall confirm to Appendix B of IS 779 or clause 4.7 of ISO 4064 (Part 1), in particulars the following: • Plastic used in the manufacture of various components listed under Annexure B shall satisfy all provisions as depicted under Cl. 6.1.1 of IS 779-1994.
Construction	• Meter shall be constructed as per clause 7 of IS 779 – 1994 or relevant clauses of ISO 4064 (Part 1). Each meter will be supplied with two cylindrical nipples or tail pieces with connecting nuts. Threads on the connection shall conform to latest version of IS 2643 (part 1 to3) or ISO 228-1. All meters shall be supplied with an easily removable tubular inlet strainer. The Seal & Sealing wires shall be rust proof material like engineering plastic.

	• Meter size & overall dimension of meter shall conform to Clause 9 of IS 779 – 1994 or relevant clauses of ISO 4064 (Part 1). • Connections: The meter casing shall be fitted in the pipeline by means of two cylindrical nipple or tail pieces with connecting nuts which shall be provided with each meter. The threads on connections shall conform to IS 2643 (Part 1 to 3)-1975. • Impeller and Piston: Impeller and impeller shaft assembly shall rest on a self lubricating bearing which has a low frictional resistance as possible. • Impeller chamber & Measuring chamber: The impeller chamber and measuring chamber shall be rigid and shall not change its form as a result of internal stress or with use. • Dial: The dial shall be of vitreous enamel powder coated on copper indestructible marking and good legibility. • Indicating Device: Indicating device shall be able to record 9999kl (min) for meter size upto 25mm. The kilo litres and its multiple shall be indicated in black and sub multiple of kilo litres in red. For digital indicator, the visible displacement of all digits shall be upward in value. The unit symbol "KILO LITRES" shall appear in the immediate vicinity of digital indications. • Frost Protection: Meter liable to damage by frost shall be suitably protected.
Mechanical Meter	The Totalizer and Totalizer Shield :- • The totalizer copper can mineral glass envelop, shall be designed in such a way that if the totalizer protective glass is broken for a reason or another the totalizer cannot be removed from its place. The totalizer protective cover shall be made of sturdy glass and shall have a thickness of not less than 5mm. Study glass is defined as the ability of the counter protection glass to withstand, without damage, Totalizer :- • It shall be of straight reading type • The totalizer shall register in cubic meter units • The totalizer shall be set at 0 (zero) • The totalizer shall consist of a row of minimum four on-line consecutive digits to read at least 9999 m^3 as per ISO 4064 / IS 779 – 1994. • Another three digits or pointers shall register flows in litres and be of a red colour. • The totalizer or any part of it shall be capable of being repaired. • Copper can mineral glass envelop • The totalizer should be of open type. • The totalizer must be suitable for test on an electronic test bench. • The protection class of the totalizer should be IP 68. The totalizer shall be designed in such a way that if the totalizer protective lens / material are broken for any reason, the totalizer cannot be removed from its place.

	It shall be set to Zero at the factory, excepting the volume registered while testing the meters at the factory. Hermetically sealed, extra dry type. It shall consist of a row of minimum four on-line consecutive digits to read at least 9999.99 (4+2 digits) m^3 or KL as per ISO 4064 / IS 779 - 1994. It preferably be capable of 360 degree orientation for ease in reading.
Impeller and Impeller Chamber	The pivot of the impeller should be guaranteed against any corrosion or damage for at least three years after the first installation. The impeller chamber shall be resistant to corrosion.
Compatibility with the Water Meters	End units must have a robust structure that is as resistant as possible to vandalism. End units that are sealed, have an antenna, and are integral part of the water meter and cyble pre-equipped / cyble compatible. The manner in which end units are installed must not cause any hindrance to reading the water meter scale. The scale must be readable in the same manner and convenience as prior to the installation of the end units.
Resistance to Weather Conditions	End units must be resistant to extreme weather conditions, including the following: Temperatures ranging from -5°C to 50°C. Relative humidity from 5% to 95%. The level of resistance for end units must be IP68.
Resistance to Noise, Electrical and Radio Disturbances	Ability to operate in a noisy electrical environment with electromagnetic disturbances (EMI) Ability to operate in an environment with radio frequency interference (RFI) including those emanating from the activities of the communication system wavelength. Protection against current fluctuations and lightning according to international codes and requirements.
General Characteristics	End units must identify the movement of the dial and count the pulses, or identify the numbers absolutely. End units that read the water meter in a more precise manner - such as absolute encoder or absolute counter will constitute an advantage. Meters must have scan time ability that enables reading in a resolution of 1 litter in a 3/4" meter with a maximum output of 5,000 litres per hour. End units must be able to diagnose fluctuations in the dial as a result of fluctuations in the water flow. A system that performs this function by reading the movement of the dial/wheel that counts in two points (creating a pulse only when the dial/wheel passes over two points) will constitute an advantage. Reading at 3 points (enabling identification of backward flow) will constitute an additional advantage. Another advantage will be a more reliable reading method, such as an absolute counter or even more so, an absolute encoder. End units must identify backward flow and calculate the amount on the electronic counter (program) separately. End units that are installed on main lines must be able to identify flow in two directions (such as using 3 points in the rotation cycle of the counter dial/ wheel). Information logged in end units must include at least: The end unit ID number.
Test	The manufacturer must carried out all test as specified in Clause No 12 of IS 779 – 1994 or relevant clauses of ISO 4064 (Part1) or ECC by a recognized testing

	authority. The Report of test shall be furnished in accordance with IS 6784 – 1984. However, the manufacturer **/ Supplier is liable carry out Life Test as per Clause 12.4.4 of IS 779 – 1994 from any reputed testing authority like 'Fluid Control Research Institute' at his own cost** from the lot of supplied meters. Lot size is to be determined on the basis of Table 4 of IS 779 – 1994. On the basis of Test Result, manufacturer / Supplier shall be liable to change defective meters or whole lots as the case may be at his own cost.
Marking	Each water meter shall be marked/embossed with the following information: 1. Manufacturer's name or Trade Mark. 2. Nominal size and class of water meter. 3. Direction of flow of water on both sides of the body of water meter. 4. Year of manufacture and serial number. 5. BIS / EEC / ISO / MID Certificate Marking.
Shipping Containers	The water meters shall be packed in corrugated carton boxes containing not more than twenty (20) meters each.
Check List	Each water meter shall be supplied with a check list giving below: 1. Check that seal and serial no of the water meter is intact. 2. Check test certificate giving test results for pressure tightness, loss of pressure, metering accuracy and minimum starting flow. 3. Check that the meter is installed according to the direction of flow marked on the meter. 4. Check that the strainer is not removed.

Sd/-

The Chairman
Old Malda Municipality

SPECIFICATION FOR HOUSE SERVICE CONNECTIONS

Before providing House Service Connections, Service Provider shall collect a list of authorized consumers from the client on daily/weekly/monthly basis. After getting such list from the client; Service Provider shall have to identify each consumer at site and a notice shall have to be served by the Service Provider to each consumer at site and a notice shall have to be served by the Service Provider to each consumer at least 7 days in advance stating that new service connection shall be provided at their respective premises along with water meters. In case of any difficulty to locate any consumers at site by the Service Provider, client representative shall have to be accompanied with the service provider to locate the client at site of all the meters.

Location of placing water meters shall have to be mutually decided by the service provider and the consumer. No meters shall be installed inside, bath room/wash room/toilets/bed room/dining hall or any other rooms. Meter shall have to be installed in such a location that it can be accessed easily and chances of theft are minimum. Preference shall be given that meter shall be installed within 1 meter distance from the compound wall of consumer premises.

All the damages made on the compound wall for providing service connection shall have to be restored by the Service Provider. Any damages made on the floor/PCC/tiled/mosaic etc. shall be restored by the Service Provider with Plain Cement Concrete (PCC) and neat cement finish. No tiles / mosaic shall be replaced by the Service Provider.

Brick chamber shall have to be fixed firmly on the floor along with Water Meters and pipes. Where Brick meter chamber neat cement finish inside after plastering Inside & Top sides as per approved drawing provided by the ULB. If no such drawing is available with the ULB then Service Provider shall have to prepare a drawing and the same shall have to be approved by the client before starting the work at site.

Service Provider shall not be responsible to connect a new service connection with the existing network of the consumer (inside the premises) for which consumer shall have to be made his own arrangement.

One no. ball valve & one no. NRV shall have to be provided on the upstream and downstream side of Water Meters. Service Provider shall be responsible for the maintenance of upstream side valve along with Water Meter for the guarantee/warranty period. Valve located on the downstream side of the meter shall have to be maintained by the consumer.

During installation of water meter it shall be sealed against installation by the Service Provider.

If any drain is available on the periphery of the consumer premises then a metallic casing (GI) pipe shall have to be provided by the Service Provider. Any damages made on the drain shall be restored by the Service Provider. All the excavation and trenches made for providing the Service Connection shall have to be filled up by the Service Provider as per standard engineering practices or relevant I.S. Code.

Before starting job at site for providing House Service Connection, Service Provider shall impart training to all employees on following subject:

- Safety Awareness
- Environment Management System Awareness
- Customer Orientation
- Safe working procedure

Once above trainings are imparted then schedules are prepared and following actions shall be taken:

- Housekeeping Plan of the job,
- Job Safety Plan
- Method statement

Installation of Domestic Meter:

- Location of water meters shall have to be finalized in consultation with consumers.
- MDPE/HDPE pipe shall have to be laid in the trench with sand cushion inside the trench

- In case of stone/concrete surface MDPE/HDPE pipe shall have to laid with clamps at interval of 750 mm c/c
- Water Meters shall have to be installed as per manufacturer specification.
- After installation of water meters sites are to be restored to its original condition.
- After installation of water meters records are to be maintained in the standard form,
- Information related to Water Meter Installations shall have to be handed over to client
- Check list for providing House Service Connection shall have to be prepared by the Service provider and the same has to be filled up properly after completion of the job and signature shall have to be obtained from the respective authority / person.Feedback Form shall have to be designed by Service Provider and necessary feedback of consumer shall have to be recorded properly.

Sd/-

The Chairman
Old Malda Municipality

INSTRUCTION TO BIDDERS

SECTION – A

1. General guidance for e-Tendering:-

   Instructions/ Guidelines for tenders for electronic submission of the tenders online have been annexed for assisting the contractors to participate in e-Tendering.

2. Registration of Contractor:-

   Any contractor willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement system, through logging on to https://wbtenders.gov.in. The contractor is to click on the link for e-Tendering site as given on the web portal.

3. Digital Signature certificate (DSC):-

   Each contractor is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders, from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount details are available at the Web Site stated in Clause 2. DSC is given as a USB e-Token.

4. The contractor can search & download NIT & Tender Documents electronically from computer once he logs on to the website mentioned in Clause 2 using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

5. Submission of Tenders:

   General process of submission:

   Tenders are to be submitted online through the website stated in Cl. 2 in two folders as per tender schedule, one is Technical BID (Part-I) & the other is Financial BID (Part-II) before the prescribed date & time using the Digital Signature Certificate (DSC).The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).

(A) TECHNICAL PROPOSAL

The Technical proposal to be submitted in the following two covers (Folders):

(A-1). Statutory Cover Containing:

Following Scanned Documents are to be uploaded virus scanned and digitally signed by the Bidder:-

(a) N.I.T.

(b) Technical Documents

(c) Municipal Tender Form (No rates to be given)

(d) Prequalification Forms (Section-B, Form-I)

[Note: At the time of submission of technical bid (online), bidders eligible for exemption of EMD have to select exempted: yes and then upload the undertaking / exemption G.O.]

(A-2).Non-Statutory Cover Containing:

Following Scanned Documents are to be uploaded virus scanned and digitally signed by the Bidder:-

(a) GST Registration / PAN / P. Tax Clearance Certificate.

(b) Income Tax Acknowledgement Receipt for last assessment year as per last audited financial year.

(c) Affidavit (Declaration by the Bidder).

(d) Trade License, Labour License Certificate etc.

(e) Registration Certificate under Company Act. (if any).

(f) Registered Deed of Partnership Firm / Article of Association & Memorandum.

(g) Power of Attorney (For Partnership Firm / Private Limited Company, if any).

(h) Audited Balance Sheet & Profit & Loss A/c for last three Financial Year along with 3CD Form.

(i) Experience Certificate for completion of similar nature of work.

(j) Scanned copy of Original Credential Certificates.

Intending Bidders should upload Non-Statutory documents as per following folders in My Document:

Sl. No.	Category Name	Sub Category Description	Details	Remarks
A	CERTIFICATES	CERTIFICATES	1.WestBengal GST Registration /PAN/P.Tax Clearance Certificate 2.Income Tax Acknowledgement Receipt	
B	COMPANY DETAILS	COMPANY DETAILS-1 COMPANY DETAILS-II	1.Proprietorship Firm (Trade License) 2. Partnership Firm (Partnership Deed, Trade License). 3.Ltd. Company (Incorporation Certificate, Trade License) 4.Power of Attorney 5.Society (Society Registration copy, Trade License)	
C	CREDENTIAL	CREDENTIAL-1	1.Similar Nature of Work Done & Completion Certificate	
D	DECLARATION	DECLARATION	1.Corrigendum and Addendum (if any) 2.Additional Document If Any	
E	EQUIPMENT			
F	FINANCIAL INFO	WORK IN HAND		
		PAYMENT CERTIFICATE	1.Profit& Loss & balance Sheet (With Annexure and 3CD Form in case of Tax Audit) for the last three financial year.	
G	MANPOWER	TECHNICAL PERSONNEL	1. List of Technical Staffs along with Structure & Organization.	
		TECHNICAL PERSONNEL ON CONTRACT		

Note: -Failure of submission of any of the above mentioned documents (as stated in A1 & A2) will render the tender liable to summarily rejected for both statutory & non statutory cover

All Corrigendum & Addendum Notices, if any, have to be digitally signed & uploaded by the Bidder in the Declaration Folder of My Documents.

(B) Financial Proposal (Pat-II):

The financial proposal should contain the following documents in one cover (folder) i.e. Bill of quantities (BOQ) the contractor is to quote the rate online through computer in the space marked for quoting rate in the BOQ. Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor.

5.1. Submission of Earnest Money:

2% of the Quoted Bid price in two parts, vise the requisite Earnest Money will be deposited by the bidder through payment mode as per Finance Department Order No. 3975-F(Y) dated 28th July, 2016 (Annexure – A) Balance Earnest Money Deposit if any shall be deposited after acceptance of Bid Proposal.

6. Opening & evaluation of tender:-

6.1. Opening of Technical proposal

i. Technical proposals will be opened by the Chairperson, Board of Administrators, OLD MALDAMunicipality, Malda, alongwith Directorate or his authorized representative electronically from the web site using their Digital Signature Certificate.

ii. Intending tenderers may remain present if they so desire.

iii. Cover (folder) statutory documents (vide Cl. No. 5.A-1) should be open first & if found in order, cover (Folder) for non-statutory documents (vide Cl. No. – 5.A-2) will be opened. If there is any deficiency in the statutory documents the tender will summarily be rejected.

iv. Decrypted (transformed in to readable formats) documents of the non-statutory cover will be downloaded & handed over to the tender evolution committee.

6.2. Uploading of summary list of technically qualified tenderers

i. Pursuant to scrutiny & decision of The Superintending Engineer, Central Circle, MED/Executive Engineer, MaldaDivision . MED the summary list of eligible tenderers will be uploaded in the web portals.

ii. While evaluation the - Superintending Engineer, Central Circle, MED/ Executive Engineer, Malda Division, MED may summon the tenderer& seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

6.3. Financial proposal

i. Financial proposals of the tenderers declared technically eligible by the Superintending Engineer, Central Circle, MED/ Executive Engineer, Malda Division , MED will be opened electronically from the web portal stated in Clause 2 on the prescribed date, by the Chairperson, Board of Administrators, OLD MALDAMunicipality, .

ii. The encrypted copies will be decrypted and the rates will be read out to the contractors remaining present at that time.

iii. However, if there is any scope for lowering down of rates, further negotiation meeting with the lowest bidder may be held at the office of the Chairperson, Board of Administrators, OLD MALDA Municipality, Maldaon recommendation of Superintending Engineer, Central Circle, MED/ Executive Engineer, Malda Division, MED and it will be done offline. The final negotiation statement shall be uploaded in the website.

iv. The Financial Proposal shall be evaluated by the Chairperson, Board of Administrators, OLD MALDA Municipality, Malda for scrutiny and approval on recommendation of Superintending Engineer, Central Circle, MED/ Executive Engineer, Malda Division, MED and/or Technical Committee as applicable. Final summary result containing inter-alia, name of contractors and the rates quoted by them shall be uploaded provided he is satisfied that the rate obtained is fare and reasonable and there is no scope of further lowering down of rate.

7. Award of contract:-

The tender accepting authority reserves the right to accept or reject any Bids and to cancel the Bidding processes and reject all Bids at any time or distribute the work prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders on the ground for tender accepting authority's action. The Bidder who's Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance letter. The notification of award will constitute the formation of the Contract. The Agreement in W.B.F. No.-2911(ii) will incorporate all agreements between the Tender Accepting Authority and the successful Bidder.

8. Engineer-in-Charge:-

Executive Engineer, Malda Division, M. E. Directorate will act as Engineer-in-Charge for the above mentioned works.

9. Payment Schedule:-

Periodic Payment (in the form of Running Account Bill) will be paid to the contractor by the TIA on recommendation of the EIC on the basis of number of completed connections including installation of water meter.

10. Test Report:-

Test to be carried out from reputed Govt. Institute/Test house.

a. Life Test(Accelerated Endurance Test) - Two unopened meters must be subjected to life test as prescribed in IS:6784 – 1984. Such Test must be carried out from any reputed and reliable GovtTest House.

b. Routine Test - shall consist of – 1) pressure tightness, 2) loss of pressure, 3) metering accuracy, 4) minimum starting flow

c. Pressure tightness test - all three meters shall subject to hydrostatic test

d. Flow test - all three meters shall then be subject to flow test to measurePressure loss, Meter accuracy, minimum starting flow&Temperature suitability

Sd/-

The Chairman
Old Malda Municipality

SPECIAL TERMS AND CONDITIONS

1.0 **General:**

Unless otherwise stipulated, all the works are to be done as per general conditions and generalSpecifications as mentioned in Schedule, i.e., Public Works Department Schedule of Rates for Building Works (Volume – I) and Sanitary & Plumbing works (Volume – II) including. Materials, Labour& Carriage effective from 1st December 2015 with up-to-date addenda and corrigenda, *if any*, in force issued by the Superintending Engineer, Planning & Monitoring Circle, PWD & Convener, Combined Schedule Committee of PWD, as applicable for the working area of concerned Circle at the time of uploading of tender. For general conditions and general specifications of items of works including supply and carriage works, not appearing in the aforesaid specification books, relevant Public Works Department Schedule of Rates for Road & Bridge Works (Volume – III) including Materials, Labour& Carriage in different districts of West Bengal for the working area effective from 1st December 2015 with up-to date agenda & corrigenda, *if any*, in force issued from competent authority of PWD or relevant I.S. / I.R.C. Codes of practice or National Building Code in force at the time of uploading of tender will be considered for the appropriate working area.

2.0 **Terms & Conditions in extended period:**

As Clause 5 of West Bengal Form No. 2911(ii) when an extension of time for completion of work is Granted by the Chairperson, Board of Administrators/EIC for valid reasons over which the contractor have no control, it will be taken as granted by the working contractor that the validity of the contract is extended Automatically up to the extended period with all terms and conditions, rates etc. remaining unaltered, i.e., the tender is revalidated up to the extended period.

3.0 **Co-operation with other agencies and damages and safety of road users:**

All works are to be carried out in close co-operation with the Municipality and other contract(s) that may be working in the area of work. The work should also be carried out with due regard to the convenience of the road users and occupants of the adjacent locality, if any. All arrangements and programme of work must be adjusted accordingly. All precautions must be taken to guard against chances of injury or accidents to workers, road users, occupants of the adjacent locality etc. The contractor must see that all damages to any property which, in the opinion of the Engineer-in-Charge are due to the negligence of the contractor are promptly rectified by the contractor at his own cost and expenses and according to the direction and satisfaction of the Engineer-in-Charge.

4.0 **Transportation arrangement:**

The contractor will arrange for all means of transport including railways wagons required for carriage and supply of materials and also the materials required for the construction work. The Municipality
may however, at their own discretion grant necessary certificates, if required, for booking of railways wagons etc. But, in case of failure of the Municipality to help the contractor in this respect, the contractor will have to arrange at his own initiative so that progress of work is not hampered and no claim whatsoever on this ground will be entertained under any circumstances. If railways facilities are not available, the contractor will have to depend on transport of materials by road as necessary to complete the work without claiming any extra payment from Municipality in this regard. The contractor must consider this aspect while quoting rate.

5.0 **Contractor's Site Office:**

The contractor will have to set up an office adjacent to the work as may be approved by the Engineer-in-Charge where all directions and notice of any kind whatsoever, which the Engineer-in-Charge or his representative may desire to give to the contractor in connection with the contract, may be left or sent by post to such office or delivered to the contractor's authorised agent or representative.

For such intimation to the contractor's site office, it will be deemed to the sufficient enough to be served upon the contractor.

6.0 **Incidental and other charges:**

The cost of all materials, hire charges of Tools and plants, labour, Corporation / Municipal Fees forwater supply, Royalty or road materials (if any), electricity and other charges of Municipalities or statutory local bodies, ferry charges, Toll charges, loading and unloading charges, handling chargers, overhead charges etc. will be deemed to have been covered by the rates quoted by the contractor inclusive of all taxes and all other charges for the execution of the specified work, including supply of materials and related carriage, complete or finished in all respect up to the entire satisfaction of the Engineer-in-charge of the work. No extra claim in this regard beyond the specified rate as per work schedule in this respect will be entertained.

7.0 **Authorized Representative of Contractor:**

The contractor should not assign the agreement or sublet any portion of the work. The contractor, May however, appoint and authorized representatives in respect of one or more of the following purposes only.

a. General day to day management of work.

b. To give requisition for Departmental materials, Tools & Plants etc., to receive the same andsign hand receipts thereof.(If Applicable).

c. To attend measurements when taken by the Municipality Engineers and sign the records ofsuch measurements which will be taken as accepted by the contractor. The selection of the authorised representatives will be subject to the prior approval of the Engineer-in- Charge concerned and the contractor will in writing seek such approval of the Engineer-in-Charge giving therein the name of work, Tender No., the Name, Address and the attested specimen signature of the representative he wants to appoint and the specific purposes as specified here-in-above, which the representative will be authorised for. Even after first approval, the Engineer-in-Charge may issue at any subsequent date, revised directions about such authorised representatives and the contractor will be bound to follow such directions. The Engineer-in-Charge will not be bound to assign any reason for his revised directions. Any notice correspondence etc. issued to the authorized representative or left at his address, will be deemed to have been issued to the contractor.

8.0 **Use of Municipal/Government Land:**

Before using any space in Municipal/Government land for any purpose whatsoever, approval of the Engineer-in- Charge will be required. Municipality land, if available and if applied for, may be spared for thepurpose on usual charges as fixed by the Competent Authority. The contractor will have to make hisown arrangements for storage of tools, plants, equipments; materials etc. of adequate capacity andwill clear and remove on completion of work and will also remove the shed, huts etc. which hemight have erected in Municipal/Government land. If after such use, the contractor fails to clear the land,Municipality will arrange to remove those installations and adequate recovery will be made from thedues of the contractor.

9.0 **Clearing of Materials:**

Before starting any work, work site, wherever necessary, must be properly dressed after cuttingclearing of all varieties of jungles, shrubs, bamboo clusters or any undesirable vegetation from thealignment or site of works. On completion of works all temporary structures or obstructionsincluding some pipes in underground works, if any, must also be removed. All scars of constructionshould be obliterated and the whole site should be left in a clear and neat manner to the satisfactionof the Engineer-in-Charge. Total length (in case of road project) should be demarcated by properchainaging with fixing 200 m post as per direction of the Engineer-in-Charge on both sides of thealignment and Bench Marking at desired locations as per direction of the Engineer-in-Charge. Noseparate payment will be made for all these works, the cost thereof being deemed to have beenincluded in the rates of various items of works quoted by the contractor in the schedule of probableitems of works. No separate payment shall be made for all these works within 150m of work

siteas the cost thereof being deemed to have been included in the rates of various items of worksquoted by the contractor in the schedule of probable items of works. However, separate paymentmay be entertained if there is no such place for removing such materials within 150m and theagency completed to dispose the same beyond it.

10. **Sundry Materials:**

The contractor must erect temporary pillars, master pillars etc. as may be required in suitable placesas directed by the Engineer-in-Charge at his own cost before starting and during the work by whichthe Municipality staff will check levels layout of different works and fix up alignment and thecontractor will have to maintain and protect the same till completion of the work. All machineriesand equipments like Level Machine, Staff, Theodolite etc. and other sundry material like pegs,strings, nails, flakes instruments etc. and also skilled labour required for setting out the levels, forlaying out difference structures and alignment will also have to be supplied by the contractor at hisown cost as per direction of the Engineer-in-Charge without any extra claim towards theMunicipality.

11.0 **Supplementary / Additional items of Works:**

I. Rates of Supplementary Item(s) will be analysed in the 1st instant as far as possible from therates of the allied items of works appearing in the tender schedule.
II. Rates of Supplementary Item(s) will be analysed to the maximum extent possible from therates of allied items of works appearing in the Public Works Drpartment Schedule of Rates (for Building / Sanitary & Plumbing Works) of probable items of work forming part of the tender document. Rates of SOR for the working area at the time of floating ofNIeT will be applicable.
III. In Case, additional items do not appear in the above Public Works Municipality Schedule of Rates, such items for the works will be paid at the rates entered in the Public Works (Roads) Municipality Schedule of Rates for the working area at the time floating of NIeT.
IV. If the rates of the Supplementary Item(s) cannot be computed even after application of clauses stated above, the same will be determined by analysis from market rates of material, labour and carriage cost prevailing at the time of execution of such items of work. Profit and overhead charges (both together) at 10% (ten percent) will be allowed only. In that case the contractual percentage will not be applicable.

Unbalanced market rates will never be allowed. Contractual percentage shall only be applicable with regard to the portions of the analysis based on clauses i, ii & iii stated above only.

It may be noted that the cases of supplementary items of claim will not be entertained unlesssupported by entries in the Site Order Book or any written order from the tender acceptingauthority.

12.0 **Covered up works:**

When one item of work is to be covered up by another item of work the later item should not bedone before the formal item has been measured up and has been inspected by the Engineer-in-Charge or the Sub-Divisional Officer / Assistant Engineer, as the authorized representative of theEngineer-in-Charge and order given by him for proceeding with the later item of work. When,however, this is not possible for practical reasons, the Sub-Assistant Engineer, if so authorized by the Sub-Divisional Officer / Assistant Engineer/EIC may do this inspection in respect of minor works and issue order regarding the later item.

13.0 **Approval of Sample:**

Samples of all materials to be supplied by the contractor and to be used in the work will have to beapproved by the Engineer-in-Charge and checking the quality of such materials will have to be doneby the concerned Municipality or as directed by the Engineer-in-Charge prior to utilization in thework.

14.0. **Water and Energy:**

The contractor will have to arrange at his own cost, required energy for operation of equipmentsand machineries, for operating pump set, illuminating work site, office, etc. that may be necessary indifference stages of execution of work. No facility of any sort will be provided for

utilization of theMunicipality sources of energy existing at the site of work. Arrangement for obtaining water for thework should also be made by the contractor at his own cost. All cost for getting energy and / or forany purpose whatsoever will have to be borne by the contractor for which no claim will beentertained.

All materials, tools and plants and all labour (skilled and unskilled) including their housing, watersupply, sanitation, light, procurement of food for contractors staff & crews, medical aids etc. are tobe arranged for by the contractor at his own cost. The cost for transportation of labour, materialsand all other incidental items as required for work shall also have to be borne by the Contractorwithout any extra claim from the Municipality.

15.0 **Road open to traffic:**

It should be clearly understood that the contractor will be responsible to keep the road open to allkinds of traffic during execution of the work. The work should be so arranged and the programme ofwork must be so adjusted as not to disturb the smooth flow of road traffic in any way. If necessary,diversion road should be provided and maintained by the contractor at his own cost for the entireperiod of work, if not separately provided in the tender. The Contractor should take all necessaryprecautions including guarding, lighting and barricading as necessary, to guard against the chancesof injury or accident to the road user and traffic and ferry users during execution of the work forwhich nothing extra will be paid except otherwise mentioned in the specific price schedule. Thecontractor will also have to indemnify the Municipality against consequences of any such injury oraccident, if so happens and which, as per opinion of the Engineer-in-Charge is due to contractor'sfault. Suitable road sign, as and where necessary, should be provided by the contractor at his own cost asper direction of the Engineer-in-Charge and will also be maintained till the completion of the work.Road barriers, with red light at night, are to be placed where the existing surface is disturbed withproper road signs. All these should be done at the cost of the contractor without any extra claimtowards the Municipality.

16.0 **Drawings:**

All works should be carried out in conformity with the drawings supplied by the Municipality. TheContractor will have to carry out all the works according to the Municipality General ArrangementDrawing and Detail Working Drawings to be supplied by the Municipality from time-to-time and as per direction of Engineer-in –Charge.

17.0 **Serviceable Materials:**

The responsibility for stacking the serviceable materials (as per decision of the Engineer-in-Charge)obtained during dismantling of existing structures/roads and handing over the same to theEngineer-in-Charge of work of this Municipality lies with the contractor and nothing will be paid onthis account. In case of any loss or damage of serviceable materials prior to handing over the sameto this Municipality, full value will be recovered from the Contractor's bill at rates as will be assessedby the Engineer-in-Charge.

18.0 **Unserviceable Materials:**

The Contractor will have to remove all unserviceable materials, obtained during execution at a placeas will be directed. The contractor should dress and clear the work site after completion of work asper direction of the Engineer-in-Charge. No extra payment will be made on this account.

19.0 **Contractor's risk for loss or damage:**

All risk on account of railway or road carriage or carriage by boat including loss or damage ofvehicles, boats, barges, materials or labour, if any, will have to be borne by the contractor withoutany extra claim from the Municipality.

20.0 **Idle labour& additional cost:**

Whatever may be the reason, no claim on idle labour, enhancement of labour rate additionalestablishment cost, cost of Toll and hire and labour charges of tools and plants, railway freight etc.will be entertained under any circumstances.

21.0 **Charges and fees payable by contractor:**

(a) The contractor will have to pay all fees required to be given or paid by any statute or any regulation or by-law of any local or other statutory authority which may be applicable to the works and will keep the Municipality indemnified against all penalties and liabilities of every kind for breach of such statute, regulation or law.

(b) The Contractor will save and indemnify the Municipality from and against all claims, demands, suit and proceedings for or on account of infringement of any patent, rights, design, trade mark of name of other protected right in respect of any constructional plant, machine, work, materials, thing or process used for or in connection with works or temporary works or any of them.

22.0 **Issue of Municipality Tools and Plants:**

All Tools and Plants required for the work will have to be supplied by the Contractor at his own cost.All cost of fuel and stores for proper running of the Tools and Plants must be borne by the Contractor.

23.0. **Safety, Security and Protection of the Environment:**

The Contractor shall, throughout the execution and completion of the Works and the remedying ofany defects therein:

I. Have full regard for the safety of all persons and the Works (so far as the same are not completed or occupied by the Municipality);

II. Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching,when and where necessary or required by the Engineer-in-Charge for the protection of theWorks or for the safety and convenience of the public or others;

III. Take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation;

IV. Ensure that all lights provided by the Contractor shall be screened so as not to interfere withany signal light of the railways or with any traffic or signal lights of any local or other authority.

24.0 **Commencement of work:**

The work must be taken up within the date as stipulated in the work order and completed in allrespects within the period specified in Notice Inviting e-Tender.

25.0 **Programme of work:**

Before actual commencement of work the contractor shall submit a programme of construction ofwork with methodology clearly showing the required materials, men and equipment. The contractorwill submit a programme of construction in the pattern of Bar Chart or Critical Path Method and atime table divided into four equal periods of progress of work to complete the work within thespecific period for approval of the Engineer-in-Charge who reserves the right to make addition,alterations and substitutions to such programme in consultation with the contractor and suchapproved programme shall be adhered to by the contractor unless the same is subsequently foundimpracticable in part or full in the opinion of the Engineer-in-Charge and is modified by him/her. Thecontractor must pray in writing, showing sufficient reasons therein for modification of programme.

The conditions laid down in Clause 2 of the printed tender form regarding the division of total periodand progress to work and the time table there for as provided in the said clause shall be deemed tohave been sufficiently complied with the actual progress of work and does not fall short of theprogress laid down in the approved time table for one fourth, half and three fourth of time allowedfor the work.

26.0 **Setting out of the work:**

The contractor shall be responsible for the true and perfect setting out of the work and for thecorrectness of the position, levels, dimensions and alignments of all parts of work, if any

rectificationor adjustment becomes necessary the contractor shall have to do the same at his own costaccording to the direction of the Engineer-in-Charge. During progress of works, if any, error appearsor arises in respect of position, level, dimensions or alignment of any part of the work contractorshall at his own cost rectify such defects to the satisfaction of the Engineer-in-Charge. Any settingout that may be done or checked by either of them shall not in any way relieve the contractor fromtheir responsibility for correctness and rectification thereof.

27.0 **Precautions during works:**

The contractor shall carefully execute the work without disturbing or damaging underground oroverhead service utilities viz. Electricity, Telephones, Gas, Water pipes, Sewers etc. In case disturbances of service utilities is found unavoidable the matter should immediately be brought to the notice of the Engineer-in-Charge and necessary precautionary measures as would be directed by the Engineer-in-Charge shall be carried out at the cost and expenses of the contractor. If the service utilities are damaged or disturbed in any way by the contractor during execution of the work, the cost of rectification or restoration of damages as would be fixed by the Engineer-in-Charge concerned will be recovered from the contractor.

28.0 **Testing of qualities of materials & workmanship:**

All materials and workmanship shall be in accordance with the specifications laid down in thecontract and also as per specification mentioned in the relevant Schedule of Rates for BuildingWorks (Volume - I) and Sanitary & Plumbing Works (Volume - II) and relevant IS / IRC codes and theEngineer-in-Charge reserves the right to test, examine and measure the materials / workmanshipdirect at the place of manufacture, fabrication or at the site of works or any suitable place. Thecontractor shall provide such assistance, instrument, machine, labour and materials as the Engineer-in-Charge may require for examining, measuring and testing the works and quality, weight orquantity of materials used and shall supply samples for testing as may be selected and required bythe Engineer-in-Charge without any extra cost. Besides this, he will carry out tests from outsideGovernment Laboratory as per instruction of Engineer-in-Charge. The cost of all such tests will haveto be borne by the agency and that must be considered during quoting rate.

29.0 **Specification for Building, Sanitary & Plumbing Works & Ancillary Works and Quality Control Tests:**

All works and all quality control tests should conform to specifications mentioned in the BOQ and inthe NIeT and in the relevant "Schedule of Rates, Building, Sanitary & Plumbing Works of PWD,Government of West Bengal read with relevant Corrigenda and Addenda". Where the above BOQ,NIeT& SOR is silent about specification or quality control tests of any particular item of work, thesame should conform to the specifications and quality control test laid down in the relevant,"Schedule of Rates of Road & Bridge Works PWD, Government of West Bengal read with relevantCorrigenda & Addenda / relevant IS / IRC Codes of practice."

30.0 **Timely completion of work:**

All the supply and the work must have to be completed in all respects within the time specified in Notice Inviting e-Tender from the date of commencement as mentioned in work order. Time for completion as specified in the tender shall be deemed to be the essence of the contract.

31.0 **Procurement of materials:**

All materials required to complete execution of the work will have to be supplied by the contractorafter procurement from authorised and approved source.

32.0 **Rejection of materials:**

All materials brought to the site must be approved by the Engineer-in-Charge. Rejected materialsmust be removed by the Contractor from the site within 24 hours from the issue of order to that effect. In case of non-compliance of such order, the Engineer-in-Charge will have the authority to cause such removal at the cost and expense of the contractor and the contractor will not be entitled to claim for any loss or damage on that account.

33.0 **Implied elements of work in items:**

Except of such items as are included in the Specific Priced Schedule of probable items andapproximate quantities no separate charges will be paid for traffic control measures, shoring,shuttering, dewatering, curing etc. and the rates of respective items or works are deemed to beinclusive of the same.

34.0 **Damaged cement:**

Any cement lying at contractor's custody, which is found at the time of use to have been damaged,will be rejected and must immediately be removed from the site by the contractor or disposed of asdirected by the Engineer-in-Charge at the costs and expenses of the contractor.

35.0 **Issue of Municipality/Department Materials:**

Municipality/Department materials will not be issued under any circumstances.

36.0 **Forced Closure:**

In case of forced closure or abandonment of the works by the Municipality, the contractor will beeligible to be paid for the finished works and reimbursement of expenses actually incurred but notfor any losses.

37.0 **Delay due to modification of drawing and design:**

The contractor will not be entitled for any compensation for any loss due to delay arising out ofmodification of the drawing, addition & alterations of specifications, delay in issuance of drawings,etc.

38.0 **General Codes of Practice:**

Latest editions of the Indian Standard Specifications and codes of practice – some of which arementioned below are to be followed during execution of the works.

(i) IS 456: Code of Practice for plain and reinforced concrete.
(ii) IS 800: Code of practice for general construction in steel.
(iii) IS 2751: Code of Practice for Welding of Mild Steel Plain and DeformedBars for Reinforced Concrete Construction.
(iv) IS 383: Specification for coarse and fine aggregates for natural sourcesfor concrete.
(v) IS 432: Mild steel and medium tensile steel (Part-I) bars and harddrawn steel wire for concrete reinforcement.
(vi) IS 4990: Indian Standard Specification for concrete shuttering works.
(vii) IS 2911: Code of practice for design and construction of pile.
(viii) IS 1904: Code of practice for design and construction of foundations insoils.
(ix) IS 2750: Specification for Steel Scaffoldings.
(x) IS 1161: Specification for steel tubes for structural purposes.
(xi) IS 3764: Safety Code for excavation work.

39.0 **Shuttering:**

Form work must conform to Clause Nos.1501 to 1513 under Section 1500 of specification forroad and bridge works – 4th revision published by I.R.C. Shuttering shall be of approved type withhard wood timber planks true to line with smooth surface and not less than 37.5 mm thick with 4mm thick plywood lining over the planks. The plywood shall conform to IS 4990 – 1993.However, as an alternative, sufficiently rigid steel shuttering may be used, if so desired orapproved by the Engineer-in-Charge.

All shuttering and framing must be adequately stayed and braced to the satisfaction of theEngineer-in-Charge for properly supporting the concrete during the period of hardening. It shallbe so constructed that it may be removed without shock of vibration to the concrete.Drawings showing shuttering details together with supporting design calculation in detail shouldbe submitted by the contractor to the Engineer-in-Charge for his approval before taking up thework. Before concrete is placed, the shuttering must be coated with an approved preparation forpreventing the adhesion of the

concrete to the shuttering and it is to be of such a nature and soapplied that the surface of the finished concrete is not stained. Cares should also be taken thatsuch approved preparation shall be kept out of contact with the reinforcements. The interior ofall moulds and boxes must be thoroughly washed with a hose pipe or otherwise so as to beproperly cleaned and free from all extraneous matter previous to the deposition of concrete.

40.0 **Finishing of Concrete Surface:**

As soon as the shuttering has been removed, the visible surface of the concrete shall be rubbeddown to perfectly smooth finish, free from all irregularities. The finish must be produced by using any of the methods specified in the specifications and codes of practice. No separate payment will be made for finishing surfaces.

41.0**PROGRESS PHOTOGRAPHS**

The Contractor shall at his own cost and expense arrange to take periodic photographs to show the progress of work or interesting features thereof. The time and the position where from a photograph is to be taken should be as per direction of the Engineer or his Representative, Three copies of each of these photographs to an enlarged size of about 25 cm x 20 cm together with the CD/DVD, shall be supplied to the EIC and these shall become the property of the Employer. Each photograph shall be suitably captioned with the date of the photograph, location and other relevant particulars, further prints and CD of the photograph, location and other relevant particulars shall not be kept by the Contractor or reproduced without written permission of the Employer. Digital Camera with minimum 9.0 Mega pixels should be used for taking photos. Restrictions to photography or security restrictions that may be applicable to any particular area must be carefully and rigidly observed. The number of photographs (each consisting of three prints and the CD/DVD as aforesaid) for the complete works is not expected to exceed 100 (one hundred), No photograph of the plant and other installations shall be taken without prior approval of the concerned Engineer.

Sd/-
The Chairman
Old Malda Municipality

SECTION – B:

[Forms to be submitted by the tenderer]

FORM –I

PRE-QUALIFICATION APPLICATION

To

The Chairperson

Board of Administrators

Old Malda Municipality

Ref.:- Tender for the work .....
.....
.....
.....

N.I.T. No. .....call of The Chairperson, Board of Administrators, Old Malda Municipality, Malda

Dear Sir,

Having examined the Statutory, Non Statutory &NIeT documents, I/We hereby submit all the necessary information and relevant documents for evaluation.

The application is made by me/us on behalf of---------- in the capacity ---------- duly authorized to submit in order.

The necessary evidence admissible by law in respect of authority assigned to us on behalf of the group of firms for Application and for completion of the contract documents is attached herewith.

We are interested in bidding for the work(s) given in Enclosure to this letter.

We understand that:

(a) Tender Inviting & Accepting Authority/Engineer-in-Charge can amend the scope & value of the contract bid under this project.

(b) Tender Inviting & Accepting Authority/Engineer-in-Charge reserve the right to reject any application without assigning any reason.

Enclose: - e-Filling

1. Statutory Documents

2. Non Statutory Documents

Signature of applicant including title Date: -

and capacity in which application is made.

AFFIDAVIT – "A"

(To be furnished in Non – Judicial Stamp Paperof appropriate value duly notarized)

a. I, the under-signed do certify that all the statements made in the attached documents are true and correct. In case of any information submitted proved to be false or concealed, the application may be rejected and no objection/claim will be raised by the under-signed.

b. The under-signed also hereby certifies that neither our firm M/s. _____ _____ nor any of constituent partner had been debarred to participate in tender by the Municipal Engineering Directorate during the last 5 (five) years prior to the date of this NIT.

c. The under-signed would authorize and request any Bank, person, Firm or Corporation to furnish pertinent information as deemed necessary and/or as requested by the Department to verify this statement.

d. The under-signed understands that further qualifying information may be requested and agrees to furnish any such information at the request of The Department.

e. Certified that I have applied in the tender in the capacity of individual/as a partner of a firm & I have not applied severally for the same job.

_____

Signed by an authorized officer of the firm

Title of the officer

_____

Name of the Firm with Seal

Date _____