



SOUTH DELHI MUNICIPAL CORPORATION

**SOUTH DELHI MUNICIPAL CORPORATION
OFFICE OF THE EXECUTIVE ENGINEER (E&M)-I
ANDREWS GUNJ, OLD BUILDING, MCD SCHOOL
NEW DELHI-110049
E-mail: eandmsdmc@gmail.com**

PRESS NOTICE INVITING TENDERS

No: EE(E&M)-I/DEMS/SDMC/2017-18/ 139

Dated:-13.07.2017

NIT No :- 07

Executive Engineer (E&M)-I, South Delhi Municipal Corporation (SDMC) on behalf of Commissioner, SDMC invites sealed item rate tenders on short notice in two envelope system for the work of Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure with online/manual sales and manual submission only. (However department may change quantity of machines to be procured as per requirement.)

Estimated Cost - Rs. 1215 lacs, Earnest money - Rs. 22.15 lacs, Time of completion - 03 Months. The tender documents can be obtained from the Office of Executive Engineer (E&M)-I on payment of Rs. 1500/- up to 22.07.2017 The same may also be downloaded from the SDMC website www.mcdonline.gov.in and www.mcdetenders.com and may be used for tendering purposes by submitting the tender cost in the office before closing time & date of tender sale. A pre-bid meeting shall be held in the office of S.E. (E&M), Room No. 2, Gate No. 4, Delhi Gate, New Delhi-110002 on 25.07.2017 at 1200 Hours. The bids shall be received in the office of S.E. (E&M), Room No. 2, Gate No. 4, Delhi Gate, New Delhi-110002 up to 3.00 PM on 27.07.2017.

Pre-bid reply / addendum / corrigendum etc. (if any) shall be uploaded on the aforesaid SDMC websites only and the same shall be considered to be part of tender document. No press notification in this regard shall be made. All prospective bidders are advised to regularly scan the SDMC websites for any update with regard to the subject tender.

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E.E. (E&M)-I, SDMC

RAJ KRISHAN

Executive Engineer (E&M)-I
South Delhi Municipal Corporation

SOUTH DELHI MUNICIPAL CORPORATION
OFFICE OF THE EXECUTIVE ENGINEER (E&M)-I
SDMC PRIMARY SCHOOL, OLD BUILDING,
ANDREWS GANJ, NEW DELHI-110049

N.I.T. NO: 07 (2017-18) SHORT NOTICE

No. E.E. (E&M)-I / DEMS/ 2017-18 / 139

Dated -13.07.17

Last Date of Tender Sale	-	<u>22.07.17</u> up to 3:00 pm
Date of Pre-Bid Meeting	-	<u>25.07.17</u> at 12.00 pm
Last Date of Submission of Bids	-	<u>27.07.17</u> up to 3:00 pm
Date of Opening of Technical Bid	-	<u>27.07.17</u> at 3:30 pm
Date of Opening of Financial Bid (Tentative)	-	<u>31.07.17</u> at 12:30 pm

The Executive Engineer (E&M)-I SDMC on behalf of Commissioner South Delhi Municipal Corporation invites sealed tender in two parts (Technical Bid & Financial Bid) for the following works from manufacturers / authorized dealers.

S. N.	Name of Work	EMD (Rs.)	Time of Completion	Tender Fee	Rate
1.	Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure.	<u>22.15</u> lacs	03 months	1500	I/R

FTC CODE: - 06/61/ XL-VIII-B-(ii)/PR-115

Tender documents shall be issued to manufacturers, manufacturer cum hirer / authorized dealers of equipments only. Joint ventures are not accepted. However the eligibility criteria shall be as under.

(A). **CONDITION OF ELIGIBILITY**

- a) Bidder or manufacturer should have satisfactorily completed three similar works each costing 40% of the estimated cost or completed two similar works each costing 60% of the estimated cost or completed one similar work costing 80% of the estimated cost during the last seven years ending previous day of last date of submission of application. This should be certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent. Similar work means supply / providing of FRP based portable & temporary toilets, urinals and bathrooms, porta cabins.
- b) The applicant should have had an average annual financial turn over equivalent to 30 per 100 of the estimated cost of the work of similar nature during the last three consecutive years ending 31st March 2016. This should be duly audited by a Chartered Accountant. Year in which no turnover is shown would also be considered for working out the average. A solvency certificate of amount equal to 40% of the estimated cost of the work shall also be accompanied duly certified by the Bankers of firm.
- c) The applicant should not have incurred any loss in more than two years during past five years ending 31st March 2016. The certificate issued by the Chartered Accountant is to be enclosed in this regard.
- d) The applicant should have sufficient number of Technical and administrative employees for the proper execution of the contract. The applicant should submit a list of these employees stating clearly how these would be involved in this work.
- e) The applicant's performance for each work (completed and in hand) should be certified by an officer minimum for the last five years, not below the rank of Executive Engineer or equivalent.
- f) The bidder should not be debarred / black listed contractor by any Govt. Organization and an affidavit to this effect should be submitted.
- g) No extra weightage shall be given for superior specifications quoted over and above the basic specifications. Such offer shall be treated at par with those offers which meet the basic specifications.



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- h) The bidder should have service base in Delhi / NCR and certificate / documents in this regard is to be submitted with tender documents.
- i) The tenderer shall have their workshop or agreement with a workshop, within NCR. The firms having their workshops beyond this limit will have to enter into agreement with the firms having workshop within the above limits for the contract period. The workshop shall have enough space for maintenance and parking of at least 10 Mobile Toilet Vans at a time.

GENERAL INFORMATION

1. The tender documents will be issued to the firms from the office of the Executive Engineer (E&M)-I SDMC, MCD Pry. School, Old Building, Andrews Ganj, New Delhi-110049 after payment of tender fee in the form of DD in favour of Commissioner SDMC as specified above on any working days as per NIT schedule. The tender documents may be collected in person. However tender documents are available on website also.
2. The intending contractors shall have to pay Earnest Money in the shape of Demand Draft/ bank Guarantee valid for 180 days on a scheduled bank drawn in favour of Commissioner SDMC, in the Office of Executive Engineer (E&M)-I SDMC, MCD Pry. School, Old Building, Andrews Ganj, New Delhi-110049 at the time of submission of tender. No tender shall be issued without deposit of the tender fee.
3. Conditional, incomplete or, late received tenders shall not be entertained /considered.
4. The pre-bid meeting shall be attended by tenderer or his authorized representative for any clarifications in the matter (scope of work) shall be held as per NIT schedule. No consideration on this account shall be entertained later on. The intending bidders are to submit their questions in writing before pre-bid meeting. Bidders may submit their design / dimensional sketch for the equipment offered along with their supply timeline.
5. Bid to be submitted in two parts VIZ: -
PART-'A' – TECHNICAL BID -The technical bid should be accompanied with all the certificates / documents as mentioned at 'A' above as per Annexure-'A', duly super scribed as "Technical Bid for Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure".
PART-'B' – FINANCIAL BID -The lowest bidder shall be decided on the basis of rates quoted for supply of machine only (Item No. 01 in schedule of quantity). The rates of trailer shall not be considered for deciding lowest bidder.
The price bid for the supply shall be kept in sealed envelope super scribed "Financial bid for Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure" as Part B. The rates to be quoted by the contractor in financial bid both in figures and words should be covered by a transparent tape.
The sealed envelope for two bids (Technical Bid & Price Bid) are to be kept in another sealed envelope super scribed "Technical bid and Price bid for Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure". The single envelope so prepared is to be submitted in the office of S.E. (E&M) Room no. 2, Dr. Ambedkar Stadium, Delhi Gate, New Delhi-110002 as per NIT schedule.
On the date of tender opening as given in NIT the main cover (containing technical bid and price bid) will be opened in the presence of tenderers who may like to attend. The Price bid will be opened only of those bidders who qualifies in the technical bid, however the time and date of opening of price bid shall be intimated after evaluation of the technical bids to the eligible bidders through official letter or on phone etc.
6. In the event of any specified dates for submission or opening of bid is declared a holiday, the bids shall be received/opened, on the next working day at the same place, without any further notice.
7. The rates of bidders should hold good at least for a period of 180 days from the date of opening of Price Bid.


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8. The South Delhi Municipal Corporation at its sole discretion and without assigning any reason thereof, reserves the right to accept and / or reject, any or all bids. South Delhi Municipal Corporation also does not bind itself to accept the lowest bid.
9. The successful bidder through its proprietor or authorized nominee will have to enter into Contract-Agreement with the department on prescribed performa on a non-judicial stamp paper of Rs. 50/-, before placing of supply order.
10. The payment will be released after the receipt of equipment/machine in good condition at municipal store to the satisfaction of Engineer-in-Charge, and submission of relevant documents by the firm.
11. The supplier has to maintain sufficient stock of spares required for maintenance for the economical life of the equipment even if the offered model becomes obsolete / withdrawn from market and a certificate to this effect should be submitted along with tender documents.
12. The offered models should have valid approvals of appropriate authorities.
13. Submission of any forged documents / misrepresentation or concealing of facts etc. will lead to rejection of bids and action shall be taken as per law of the land.
14. EMD of a tenderer / bidder shall be forfeited, if the tenderer /bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. Further, if the successful tenderer/ bidder fail to furnish the required performance security within the specified period, its EMD shall be forfeited.
15. If the successful tenderer fails to supply any or all of the goods within the time period (s) specified in the contract,
 - a. The tenderer has to install and operate mobile toilet van at the locations identified by engineer in charge, until the equipment intended to be supplied is received and installed. For this arrangement no extra amount will be paid to the firm.

Otherwise
 - b. The SDMC shall, without prejudice to its other remedies under the Contract, deduct from the contract price as liquidated damages, a sum equivalent to 1/2 % of the value of the delivery which is delayed, for every week or part of a week subject to maximum of the 10% of contract sum.


Executive Engineer (E&M)-I

Copy to: -

- | | | |
|-------------------|------------------|-----------------|
| 1. Addl. Comm.-I | 2. E-in-C (SDMC) | 3. CVO (SDMC) |
| 4. Director(DEMS) | 5. SE (E&M) | 6. Acctt. (E&M) |
| 7. ACA (Engg) | 8. Tender Clerk | 9. Notice Board |
| 10. Office Copy | | |


Executive Engineer (E&M)-I


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South Delhi Municipal Corporation

**TECHNICAL BID
SECTION-I
BRIEF PARTICULARS OF THE WORK**

1. Salient details of the work for which applications are invited are as under:

S. No.	Name of Work	Appx. Cost	Period of Supply
1.	Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure	<u>1215 lacs</u>	03Months

The South Delhi Municipal Corporation is intending Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure. The Competent Authority has already accorded Administrative Approval for the work.

2. These units are to be supplied, installed and commissioned in all the 4 municipal zones, as per planning and requirement of SDMC.
3. The Work is, to be executed according to General Conditions of work in SDMC, as per the Specifications and terms and conditions of NIT.

SECTION-II

INFORMATIONS & INSTRUCTIONS FOR BIDDERS

- 1). General:

- a. Letter of transmittal and forms for technical bid are given in Section-III.
- b. All information called for, in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a "nil" or "no such case" entry should be made in that column. If any particulars/query is not applicable in case of the bidder, it should be stated as "not applicable". The bidders are cautioned that not giving complete information called for in the tender forms or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information may result in the bidder being summarily disqualified.
- c. Overwriting should be avoided. Correction, if any, should be made by neatly crossing out, initialing, dating and rewriting. All pages of the tender document are to be numbered. Additional sheets, if added by the contractor, should also be numbered. They should be submitted as a package with signed letter of transmittal.
- d. References, information and certificates from the respective clients certifying suitability, technical knowhow or capability of the applicant should be signed by an officer not below the rank of Executive Engineer or equivalent minimum for the last five years.
- e. The bidder may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is, however, advised not to furnish superfluous information. No information shall be entertained after submission of bid unless it is called for by the Department.
- f. Any information furnished by the bidder, if found incorrect either immediately or at a later date, would render him liable to be debarred from tendering/taking up of work in SDMC. If such bidder happens to be enlisted contractor of any class in SDMC, his name shall also be removed from the approved list of contractors.

- 2) FINAL DECISION MAKING AUTHORITY.


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The Department reserves the right to accept or reject any tender and to annul the process and reject all tenders at any time i/c increasing and decreasing no. of equipments, quantity without assigning any reason or incurring any liability to the bidders.

3). **EVALUATION CRITERIA FOR TECHNICAL QUALIFICATION**

For this purpose, bidders will be evaluated in the following manner:

- a). The initial criteria prescribed above in respect of experience of similar class of works completed and financial turn over etc. will first be scrutinized and the bidders eligibility for the work be determined.
- b). The technical bids will be evaluated on the basis of technical details and financial information furnished by the firms. The Department, however, reserves the right to restrict the list of technically qualified contractors to any number deemed suitable to it.
- c). Even though a bidder may satisfy the above requirements, he would be liable to disqualification if he has:
 - i) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the technical bid document.
 - ii) Record of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.

4). **FINANCIAL INFORMATION:**

Bidder should furnish the following financial information

Annual financial statement for the last five years (in Form 'A')

5). **EXPERIENCE IN WORKS HIGHLIGHTING EXPERIENCE IN SIMILAR WORKS:**

a) Bidder should furnish the following: -

- i) List of all works of similar nature successfully completed during the last seven years (in form "B").
- ii) List of the works under execution or awarded (in form "C").
- b) Particulars of completed works and performance of the bidder duly authenticated/certified by an officer not below the rank of Executive Engineer or equivalent should be furnished minimum for last five years for each work/s completed (in form "D").

6). **ORGANISATION INFORMATION:**

Bidder is required to submit the following information in respect of his organization (in Forms "E" & "E-I").

- a) Name & Postal Address, i/c Telephone & Telex Number etc.
- b) Copies of documents defining the legal status, place of Registration and principal places of business:
- c) Names & Title of Directors and Officers to be concerned with the work, with designation of individuals authorized to act for the organization.
- d) Information on any litigation in which the applicant was involved during the last five years, including any current litigation.
- e) Authorization for employer to seek detailed reference.
- f) Number of Technical & Administrative Employees in parent company, subsidiary company and how these would be involved in this work (in form "E-I").

7). **LETTER OF TRANSMITTAL**

The bidder should submit the letter of transmittal attached with technical document:

- 8) **SUBMISSION OF TENDERS:** - The technical bid and price bid each in separate, individual sealed covers duly super scribed on cover as (Part 'A' Technical Bid, Part 'B' Price Bid) respectively be kept in a sealed main cover. This main cover should be super scribed as tender for Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure .The tender should be submitted on due date as per NIT in the office of the S.E. (E&M) Room no. 2, Dr. Ambedkar Stadium, Delhi Gate, New Delhi-110002. If the bidder is an individual, the tender shall be signed by him above his full typewritten name and current address.



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- a) If the bidder is a proprietary firm, the tender shall be signed by the proprietor above his full typewritten name and the full name of his firm with its current address.
 - b) If the bidder is a firm in partnership, the tender shall be signed by all the partners of the firm above their full typewritten names and current addresses or alternatively by a partner holding power of attorney for the firm. In the latter case of certified copy of the power of attorney should accompany the tender. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the tender.
 - c) If the bidder is a limited company or a corporation, the tender shall be signed by a duly authorized person holding power of attorney for signing the tender accompanied by a copy of the power of attorney. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a Public Notary.
- 9) **OPENING OF TENDERS:** - On the date of tender opening as given in NIT the main cover (containing, technical bid and price bids) will be opened in the presence of tenderers who may like to attend. The Price bid will be opened only of those bidders who will qualify the pre-qualifying criteria in all respect, on the due date of opening of technical bid. The time, venue and date of opening of price bid shall be intimated after evaluation of the technical bids to the eligible bidders through official letter or on phone etc.
- 10) **AWARD CRITERIA:**
The Department reserves the right, without being liable for any damages or obligation to inform the bidder to: -
- i) Amend the scope and value of the contract and to
 - ii) Reject any or all the tenders without assigning any reason.
Any efforts on part of the bidder or his agent to exercise influence or pressurize the Department or its officers would result in rejection of the application canvassing of any kind is prohibited.
The financial bid shall be evaluated on total amount for all the components of the schedule of quantity in totality.
- 11) The payment will be released after issue of work order and submission performance Guarantee as per contract,
- i) 30% amount of value of supply component shall be released against submission of unconditional bank guarantee of equivalent amount valid 180 days and further claim period 180 days No mobilization advance allowed.
 - ii) Balance 70% amount shall be released after receipt equipment in good condition at municipal store to the satisfaction of engineer-in-charge and submission of relevant documents related supply and fabrication of equipment on chassis by the firm.



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South Delhi Municipal Corporation

INFORMATION REGARDING ELIGIBILITY
LETTER OF TRANSMITTAL

From:
Name of the bidder & address etc.

To
The Executive Engineer (E&M)-I
South Delhi Municipal Corporation
MCD Primary School, Andrews Ganj,
New Delhi-110049

Sub: Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure.

Sir,

Having examined the details given in NIT and pre-qualification document for the above work, I/we hereby submit the pre-qualification document and other relevant information.

- a. I/We hereby certify that all the statements made and information supplied/enclosed and accompany statement are true, complete and correct.
- b. I/We furnished all information and details necessary for eligibility and have no further pertinent information to supply.
- c. I/we submit the requisite solvency certificate and authorize the Executive Engineer (E&M)-I SDMC, Andrews Ganj, New Delhi-110049 to approach the bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize Executive Engineer (E&M) SDMC, MCD Pry. School, Old Building, Andrews Ganj, New Delhi-110049 to approach individuals or as desired to verify our competence and general reputation.
- d. I/We submit the following certificates in support of our suitability, technical knowhow and capability for having successfully completed the following works.

S. No.	Name of Work	Certificate From

Enclosures:

Seal of Bidder:

Date of Submission

Signature (s) of Bidder (s)



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FORM 'A'

- I. Financial Analysis-Details to be furnished duly supported by figures in balance sheet/profit & loss account for the last five years, duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached).

Years				
11-12	12-13	13-14	14-15	15-16

- (i) Gross Annual turnover on similar works.
(ii) Profit/Loss
II) Financial arrangements for carrying out the proposed work.
III) The following certificates are enclosed:
 a. Solvency Certificate from Bankers.
 b. Certificates of Tax Returns.

Signature of Bidder (s)
Signature of Chartered Accountant with Seal

FORM 'B'

DETAILS OF ALL SIMILAR WORKS COMPLETED DURING THE LAST 7 YEARS ENDING LAST DAY OF THE PREVIOUS MONTH.

S. N.	Name of work / location	Owner or sponsoring organization	Cost of work	Date of commencement as per contract	Stipulated date of completion as per contract	Actual date of completion	Litigation/ arbitration pending/ in progress with details	Name and address/ telephone number of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10

Signature of Bidder (s)


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South Zone Railway Administration

FORM 'C'
WORK UNDER EXECUTION OR AWARDE

S. no.	Name of work / location	Owner or sponsoring organization	Cost of work	Date of commencement as per contract	Stipulated date of completion as per contract	Up-to-date percentage progress of work	Slow progress if any, and reasons thereof	Name and address/ telephone number of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10

Certified that the above list of works is complete and no work has been left out and that the information given is correct to my knowledge and belief.

Signature of Bidder (s)

FORM 'D'

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORM "B" & "C"

1. Name of work & Location
2. Work Order Number
3. Work order value
4. Date of start as per order
5. Date of Completion as per order
 - i) Stipulated date of completion
 - ii) Actual date of completion
6. Amount of compensation levied for delayed completion, if any.
7. Performance Report
 - i) Quality of work Very Good/Good/Fair/Poor
 - ii) Financial soundness Very Good/Good/Fair/Poor
 - iii) Technical Proficiency Very Good/Good/Fair/Poor
 - iv) Resourcefulness Very
- Good/Good/Fair/Poor
- v) General behavior Very Good/Good/Fair/Poor

Executive Engineer or Equivalent
Dated:



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FORM 'E'

STRUCTURE & ORGANIZATION

1. Name & address of the bidder
2. Telephone No. /Telex No. /Fax no.
3. Legal status of the bidder (attach copies of original document defining the legal status).
 - a) An Individual
 - b) A proprietary firm
 - c) A firm in partnership
 - d) A limited company or Corporation
4. Particulars or registration with various Government bodies (attach attested photocopy).

Sl. No. Organization/Place of registration Registration No.

5. Names and Titles of Directors & Officers with designation to be concerned with this work.
6. Designation of individuals authorized to act for the organization.
7. Was the bidder ever required to suspend the work for a period of more than six months continuously after you commenced it? If so, give the name of the work and reasons of suspension.
8. Has the bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the work and reasons for abandonment.
9. Has the bidder or any constituent partner in case of partnership firm ever been debarred/ black listed for tendering in any organization at any time? If so, give details.
10. Has the bidder, or any constituent partner in case of partnership firm, ever been convicted by a court of law? If so, give details.
11. Any other information considered necessary but not included above.

Signature of Bidder (s)

FORM 'E-I'

DETAILS OF TECHNICAL & ADMINISTRATIVE PERSONNEL TO BE DEPLOYED FOR THE WORK

S. No.	Designation	Total No.	No. available for this work	Name	Qualification	Professional experience and details of work carried out	How these would be involved in this work	Remarks
1	2	3	4	5	6	7	8	9

Signature of Bidder (s)


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FORM 'F'

DETAILS OF THE AUTHORIZED DEALER/WORKSHOP (in Delhi/NCR) TO BE INVOLVED FOR THE PRESENT WORK

S. No.	Name of authorized dealer/workshop	Location	Supply/works to be executed through these authorized dealer/workshop	Remarks

Signature of the contractor/s with seal & date

FORM 'G'

FORM OF BANKERS' CERTIFICATE FROM A SCHEDULED BANK


This is to certify that to the best of our knowledge and information that M/s / Sh. _____ having marginally noted address, a customer of our bank are / is respectable and can be treated as good for any engagement up to a limit of Rs. _____ (Rupees _____).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature)
For the Bank

Note: -

- Bankers' certificates should be on letter head of the Bank, sealed in cover addressed to tendering authority.
- In case of partnership firm, certificate should include names of all partners as recorded with the Bank.


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**TECHNICAL SPECIFICATION OF
10 SEATER FOUR WHEEL TRAILER MOUNTED MOBILE TOILET VAN FRP BASED**

S.N.	Description	Specifications
1	No of Toilet Blocks	10
2	Toilet size	900 x 900 x 2100 mm
3	Toilet Tub	Non-corrosive and easy to clean FRP tub Owens Corning / Binani / equivalent specification make
4	Structure	Made from 50 x 25 x 16 & 25 x 25 x 16 gauge MS pipe and MS angle
5	Paneling	Outside Paneling : 8 mm thick paneling with 4 mm filler material and 2 mm thick sheets, inside Paneling : 4 mm thick FRP Sheet
6	Doors	3 mm thick FRP sheet
7	Top	2 mm FRP Sheet fitted on top
SIDE PLATFORM		
1	Type	Fixed Platform on both side of toilet with side railing
2	Material	Made form ISMC 75 x 40 and 25 x 3 MS Angle with side railing, Material Aluminum / FRP of 2.5 mm thickness
3	Ladder	Ladder Fixed Type on both side of toilet made from MS Pipe
WATER TANK		
1	Capacity	1000 Ltrs, Single/ 2 x 500 ltrs
2	Material	FRP / LLDPE
3	Connections	Single drain valve 100 mm dia heavy-duty butterfly valve provided at rear of the unit. Single drain valve 32 mm dia valve connecting fresh water tank to sludge tank.
4	Wash Basin	Separate space for gents and ladies wash basins is to be provided with mirror, towel stand and soap stand made from SS
5	Fitting	Water filling line at front of the toilet van. Plumbing line with push-pull type tap from water tank to all toilet compartments as well as at both wash basins.
TRAILER SPECIFICATION		
1	Turn Table	Chassis made from 125 x 65, 100 x 50 & 75 x 40 MS Channel, Turn Table made form 100 x 50 MS channel & 10 mm thick MS Plate
2	Payload	6 tones
3	Road Speed	30 Km/h
4	Tyre	Number : 2 Front & Rear; Size: 7.50 x16, 16PR
5	Axle	Number : 2, Size: 75 x 75 mm MS Sq (Heavy Duty)
6	Hub	Number : 4 Material : Cast Steel
7	Tow Bar	Detachable, Connected with turn table
8	Top	4 mm Poly carbonate sheet
9	Wheel	Number: 4, size: 7.50 x 16
10	Bearing	Number : 08 Type: Tapper roller size: 32213


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11	Suspension	Semi elliptical Leaf Spring on four wheels
12	Overall dimensions	6900(L) X 2640(W) X 3135(H)
13	Accessories	Discharge valve-100mm Heavy duty Butterfly Valve at rear bottom of sludge tank.
		Mirror : 2 nos.
		SS Washbasin : 2 nos.
		Towel Hanger : 2 nos.
		Soap Keeper : 2 nos.
		Toilet Lamp : LED with wiring, holder & switch
		Foldable Ladder : 2 nos.
		PVC Taps to all toilets compartments and washbasins Mud guard (FRP) at wheels
14	Paint on structure	Two coats of anti-corrosive - zinc base paint, Two coats of rubber paint, Epoxy paint inside the tank
15	Fresh water pump	1 HP Capacity pump set for filling water in storage tanks with wiring, starter switch, plumbing work & security of attachments
	SLUDGE TANK	Sludge collection tanks (50 Nos.) in case there is no sewage line-6000 Ltrs Cap. (Under Ground Tank) Along with excavation work fencing with brick work, approach for suction machine and proper connections. 1200 ltrs sludge collection tank under the van (in all 100 nos.) of spherical shape from inside with proper gradient and ground clearance.
	Tractor	30 HP, 02 Wheel drive along with registration, number plate accessories, etc.

1. THE WORK SPECIFICATIONS:-

The work specifications outline work coverage; quantum of work, method of work and materials to be used, methodology of work plan and its implementation, for carrying out the work in an integrated manner.

2. SCOPE OF THE WORK

Scope of Work

The mobile toilet van shall be comprises of body shell with sump tank, sturdy trailer along with sturdy platform on both the sides and towing & emptying arrangement for effective use.

Mobile Toilet Body Shell:

1. Mobile Toilet Body shell comprises of total 10 toilet seats having 5 seats on either side along with sturdy sliding platform having 'B' class G.I. Pipe railings as per acceptable & usable design. The Mobile Toilet body shell shall be constructed out of Fiberglass Reinforced Plastic (FRP) panel duly reinforced by structural members made up of mild steel material.

The length of the towing arrangement shall be 1450 mm approximately. The size of the sliding platform on each side shall be about 500 mm. Necessary ventilation shall be provided in each "water closet" (flush toilet) cubicle with minimum size of louvers 300 mm x 600 mm.

2. The mobile toilet seats will be in single piece S.S. construction moulded cubicles with internal toilet pan fixed to the main base frame by FRP material.

The size of the pan may be approx. 450 mm as per the suitability of the layout of the "water closet" (flush toilet) cubicle & as directed by the Engineer at the time of the fabrication work. The "water closet" (flush toilet) pan will be of good quality SS. The "water closet" (flush toilet) pan cubicle shall have flooring with slight gradient, as directed by the Engineer at the time of the fabrication work so as to ensure that water is not accumulated on the floors of the cubicle. Good quality


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suitable plastic taps with sufficient water seal shall be provided and fitted to the "water closet" (flush toilet) cubicle.

3. Toilet pan shall be fixed with FRP/suitable material bars / Jaali fabricated of cross moulded member fixed near outlet to restrict the entry of bottles, stones, papers etc. into the sump tank, as directed by the Engineer at the time of fabrication.

4. All FRP wall panels, door panels, roof panels will be fixed with M.S. angles. Wherever necessary, the M.S strips shall be inserted into the body shell. However, overall wall thickness shall be maintained to approx 0.20mm for strength. Each skin of the FRP shall be of minimum 1.2 mm thick for bearing the load. All panel / doorframes, joints sections etc. will be covered by FRP specially designed strips. The roof will be moulded structure in FRP. The sides of the roof shall have slope on both sides with provision for skylight to have a natural light during daytime.

5. 10 Nos. of individual doors shall be provided with each toilet seat cabin independently. The size of each door shall be approx. 600 to 650mm (width) & 1650 to 1850 mm. (height) or as directed by the Engineer at the time of fabrication. The door shall be fixed with S.S. hinges and doorframe with suitable arrangement of stopper / handle and locking system made up of S.S. material. Doorframe shall be moulded having double walled and both side finish.

6. Below the mobile toilet body shell and chassis, suitable sump tank preferably rectangular shape shall be provided. The capacity of the sump tank shall be appropriate for 10 Toilets used daily. The capacity of the sump tank shall be not less than 1200 ltrs. The material for sump tank shall be FRP for strength and anti-corrosion. The proper gradient shall be provided in the sump tank to facilitate drainage of water / sludge while cleaning & emptying the sump tank. Suitable pipes, shall be provided and fitted, sealed by FRP for each toilet seat. The sump tank shall have manhole on one side fitted with S.S. made nut bolts and gaskets to facilitate cleaning of the sump tank whenever necessary. The nut, bolts fitted on manhole cover shall have sufficient space / gap, as directed by the Engineer at the time of fabrication, to facilitate removal of nuts bolts easily. The sump tank shall be able to empty through butterfly/gate valve in the outlet socket. The butterfly/gate valve shall be of reputed make, as directed by the Engineer at the time of fabrication and shall be supplied/incorporated as per practice. A wired reinforced PVC pipe shall be fitted with all fittings and couplings to enable to emptying of the night soil. The diameter of the pipe shall be 100 mm and length of the pipe shall be 3 metre. The mobile toilet body shell shall be provided with one hook for holding the PVC pipe when not in use.

7. The FRP water tank of minimum capacity of 1000 liters, shall be provided at front side, as directed by the Engineer at the time of fabrication. Necessary inlet, outlet drain and taps shall be provided of PVC.

8. In each toilet cubicle 01 No. good quality PVC taps shall be provided with PVC pipeline connected to inlet valve. PVC pipeline shall be covered with FRP semi-circular cap to avoid damage.

TRAILER

1. The mobile toilet body shell of the "water closet" (flush toilet) unit will be mounted on sturdy trailer along with chassis for rough use. The trailer shall be designed to carry all loads including mobile toilet body shell, sump tank, water tanks etc. The trailer is fabricated from best quality mild steel structure having appropriate nos. of cross members, channels and angles duly welded for strength and stability. The trailer shall be fitted with suitable suspension along with four leaf spring assemblies. Each assembly shall have minimum 13 leaves to take and absorb designed load and the shocks during transportation.

2. The trailer shall be fitted with two axles and four wheel assemblies and pneumatic tyres. The wheel assembly shall be disc type having size 7.50 x 16 or any other size suitable to the requirement. The pneumatic tyres shall be heavy duty of Ceat , Birla, J.K. Tyres , MRF, Apollo Internal expanding. Suitable nos. of supporting M.S. pillar stands shall be provided with unit for standing for long time at one place. Suitable towing arrangement including toe bar and tow with turning radius shall be provided and fitted with the trailer. The tow bar shall be detachable type/ turnable heavy duty type full turn plate..The plate shall be provided with sufficient nos. of hole to facilitate the drainage of the water accumulated there at. The suitable mudguards of minimum 1.6 mm thickness on each wheel shall be provided. The trailer shall be designed & fabricated in accordance with relevant provisions of the M.M.V Rule 1989 for


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mounting of Mobile Toilet having ten toilet seats considering safe front and rear axle loads as required with due consideration of factor of safety. The trailers shall be having valid certification from the trailer manufacturer and duly approved.

3. On each side of the mobile toilet body shell and above the chassis suitable, platform with Aluminum/FRP chequered plate shall be fitted as walkway. The platform shall be covered by a railing of 'B' class G.I. pipe of approx. 25 mm dia and at the height of 750 mm. The platform framework should be fabricated out of suitable size approx. 25 x 25 x 3 mm angles and flats with the AL chequered plates above it. The 02 nos of the folding type ladder steps of MS on each side of the body i.e. total 04 nos. of the folding type ladder steps shall be provided and fitted.

- a. All welding joints shall be welded continuously.
- b. All steel joints shall have a coat of approved anti-rust paint.
- c. All finishing point work shall be free from dirt and dust
- d. All fitting & coupling shall be capable of operating with ease and minimum inconvenience.

4. The trailer shall meet the minimum technical requirements of local authority such as Delhi Regional Transport Officer and shall be duly registered with said authority. All payments for such transactions to be borne by the successful tenderer.

OTHERS

Necessary electrical fittings and accessories including point concealed wiring shall be provided on the mobile toilet unit. Minimum requirements shall be one light point along with suitable wattage LED bulbs and non-corrosive fittings in each "water closet" (flush toilet) and two points non-corrosive bulk head fittings in walkways, one no. of MCB and 01 no. of ELCB on inner side and two reflectors on rear including tail light shall be provided, as directed by the Engineer during fabrication work.

1. Painting: The paneling and structural members of M.S. of the entire mobile toilet body shell and trailer shall be painted internally and externally as per the standard practice i.e. one inner coat of anti-corrosive paint followed by two outer coats of best quality synthetic enamel paint.

2. The tenderer shall submit his or her own drawing along with all relevant details as well as literature, pamphlets, etc. while submitting their tender.

3. The successful tenderer will have to maintain the 100 nos. of Mobile Toilets at no extra cost to the Corporation.

Technical Schedule

GENERAL:

No. of Mobile Toilet "water closet" (flush toilet) cubicle

Material of Mobile Toilet Body shell Length of MTV (in mm.) (Excluding length of towing arrangement) –

Width (in mm.) (without opening of platforms) –

Height (in mm.) (from ground to top of the unit) –

Length of towing arrangement (in mm.) –

Size of "water closet" (flush toilet) cubicle –

Size of Louvers for ventilation (in mm.) –

Size of the Pan (in mm.) –

Make of the plastic taps –

Over all wall thickness of Mobile Toilet (in mm.) –

Thickness of Each skin of FRP (in mm.) –

Length of each door (in mm.) –

Width of each door (in mm.) –

Material of hinges, stopper/ handle and locking system –

Door frame – having double wall and both side finish – (Yes / No) –

Capacity of the sump tank (in ltrs.) –

Material of nut & bolts for manhole cover –

Make/ brand & type of butterfly / Gate valve –

Diameter of PVC pipe for drainage (in mm.) –


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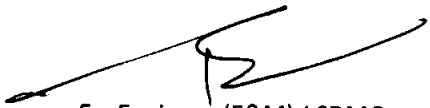
Length of PVC pipe for drainage attached to MTV (in mm) as well as extra pipe to be supplied (in mm)–
Make of overhead water tank –
Capacity of overhead water tank (in ltrs.) –
Material, make & brand of Inlet, outlet drains and taps –
Make of trailer chassis –
Pay load of trailer Chassis –
Length of trailer chassis –
Axle details of trailer chassis –
Make of the tyres –
Size of the tyres –
No. of supporting M.S. pillars for standing for long time at one place –
Trailer chassis approval details
Material of sliding platform –
Material of all the railings –
Diameter of railings mounted on the platform –
Thickness of the material used for railings in gauge as well as in mm. –
The height of the railing from platform bottom –
Size of angles (in mm) to be used in fabrication of platform frame work –
Total no. of folding type ladder steps –
Make & brand of the LED bulbs –
Make & Brand of the wires to be used for concealed wiring –
Make & Brand of MCB & ELCB to be used –
Make & brand of rear side reflector –
Make & Brand of tail light –
Make & brand of anti-corrosive paint to be used for one inner coat –
Make & brand of synthetic enamel paint to be used for two outer coats –
Other details, if any –

GENERAL TERMS AND CONDITIONS FOR SUPPLY

1. **VALIDITY:** - The offer should remain valid at least for 180 days from the date of opening of Price Bid. The rates are to remain firm till the completion of work.
2. **PRICES:** - a) The price quoted by the tenderer shall be firm and F.O.R. site, net and inclusive of excise duty, octroi, transit insurance, all taxes and all other Government Levies. However, the rate of excise duty and sales tax as included at the time of tendering must be clearly indicated in the tender. The Govt. Levies as prevailing at the time of delivery shall be payable.
3. **DELIVERY:** - The delivery of all the equipment/machines will be completed the successful tenderer within 03 months from the date of supply order. The place of delivery will be SDMC store or shall be as intimated later.
4. **INSPECTION:** - The equipment/machines, are to be got inspected and passed by the departmental engineers before delivery. All expenses incurred on the inspection including to and fro travel, boarding and lodging of the departmental engineers shall be borne by the successful tenderer. However, the department will not be responsible for any damage to the equipment during transit/transportation.
5. **TRANSPORTATION:** - The rates quoted should include the transportation charges, transit insurance, including other such norms as applicable for operating in NCT of Delhi. The contractor should deliver tool kits and all relevant documents and papers along with the delivery of equipment failing which the said delivery will be treated as incomplete for the purpose of release of payment.
6. **INSTRUCTION MANUAL:** - The tenderer should furnish relevant technical literature free of charge in respect of the following: -


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- (a). Part list/Catalogue i.e. list of items comprising of equipment/machine arrangement assembly wise with number of parts against each.
 - (b). Operation and Maintenance manual/users hand book.
 - (c). List of accessories required for operation of machine/equipment.
 - (d). Drawing and Specifications concerning all technical details of equipment, its Components and accessories.
7. **PERFORMANCE GUARANTEE:** - The supplier will have to deposit Performance Guarantee @ 5 per 100 of the total amount of equipment for a period of 2 years in the shape of bank draft or bank guarantee of a scheduled bank acceptable by the department in favour of Commissioner SDMC.
 8. **CONTRACT AGREEMENT:** - The successful tenderer will have to enter into a contract agreement with department on a non-judicial stamp paper of Rs. 50/- after the acceptance of the tender within one week of the issue of Letter of Intent / any other intimation in this regard. The draft & terms and conditions of the agreement will be supplied by the department however the tenderer can check the same before tendering.
 9. All the pages of the tender specifications shall be duly signed by the tenderer and submit with the offer being part of the tender.
 10. Any tenderer giving alternate offers shall be out rightly rejected.
 11. No extra weightage shall be given for superior specifications quoted over and above the basic specifications. Such offer shall be treated at par with those offers which meet the basic specifications.
 12. The equipment shall be guaranteed for a period of 1 year from the date of supply.
 13. Tenderer will give a certificate that the offer is as per the NIT specifications.
 14. The legal jurisdiction shall be Delhi only.


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SCHEDULE OF QUANTITY

Sub : Procurement of 100 numbers of Mobile Toilet Vans (MTV) along with allied infrastructure.

S. N.	Item Description	Qty (Nos .)	Rate (In Rs.)	Total Amount (In Rs.)
	Providing, fixing, commissioning and maintenance / upkeep for period of 06 months, of 100 Nos. of Mobile Toilet Vans comprising of 10 toilet seats for SDMC.			
1	Providing, fixing, commissioning and maintenance / upkeep for period of 06 months, of 100 Nos. of Mobile Toilet Vans with broad specifications as below having 5 seats on either side along with sturdy platform. The Mobile Toilet body shell shall be constructed out of Fiberglass Reinforced Plastic (FRP) panel duly reinforced by structural members made up of mild steel material. The mobile toilet seats shall be of SS, walls & door panel material shall be necessarily FRP for easy cleaning and to avoid rusting etc. The MTV shall have towing arrangement, 04 wheeled trailer, side platforms, fresh water tanks, ventilation, septic tank, accessories, anti-corrosive coating etc including plumbing, civil & electrical works with all safety features as per departmental specifications as required.	100		
2	Supply installation of underground tanks of capacity 6000 ltrs.	50		
3	Providing of Tractors of suitable capacities including registration etc	4		
	Total (1, 2 & 3)			
	GST @ _____ %			
	Total			


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