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दक्षिणी दिल्ली नगर निगम

Subject: - Hire of two suction cum jetting machines having 4000 ltr. Capacity for a period of three months for de-silting/ cleaning of drains in South Zone, SDMC.

Sub head: - Uploading Notice Inviting Tender (NIT no. EE (E&M)-II/ DEMS/ 2016-17/ 40(2) dated: 06.06.2016) at mcdonline.gov.in website.

Please find enclosed herewith the copy of NIT dully approved by the Competent Authority and may kindly forward to AO (IT) to upload mcdonline.gov.in website.

Submitted please.

  
EE (E&M)-II

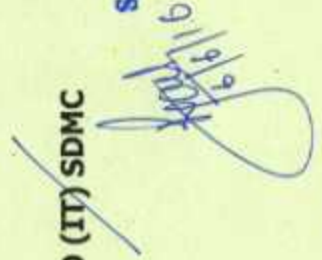
SE (EMS)



Director/DEMS



AO (IT) SDMC



DILIP RAMNANI

Director (DEMS)

South Delhi Municipal Corporation

LDC



S.D.M.C.

K.K. MEENA

Executive Engineer (E&M)/Auto-II  
South Delhi Municipal Corporation

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**SOUTH DELHI MUNICIPAL CORPORATION  
OFFICE OF THE EXECUTIVE ENGINEER (E&M)-II  
LODHI ROAD AUTO WORKSHOP  
UNDER SEWA NAGAR FLYOVER, NEW DELHI-110003**

NIT No. 02 (2016-17)

**NIT No. EE (E&M)-II/ DEMS / 2016-17 / 40 (2)**

**Dated: 06.06.2016**

Executive Engineer (E&M)-II, South Delhi Municipal Corporation (SDMC) on behalf of Commissioner, SDMC invites tenders from the qualified bidders in two bid system for "Hire of two suction cum jetting machines having 4000 Ltrs. Capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC" as per schedule given below:

- Date start of tender documents sale/download : 07.06.2016 from 10.00 AM
- Last date of sale of tender/ download from website : 15.06.2016 up to 3.00 PM
- Last Date of submission of bid : 17.06.2016 up to 3.00 PM
- Date of Opening of technical bid : 17.06.2016 at 3.30 PM
- Date of opening of financial\* : 21.06.2016 at 11.00 AM

\* Tentative

S. No.	Name of Work	Head of a/c	Tender Amt.	EMD	Tender Cost	Time of Compl.	Rate hold good for	Rate	Online Tender No.
1	Hire of two suction cum jetting machines having 4000 ltr. capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC.	XL-III-D-IV	7,90,313/-	159000/-	500/-	90 days	180 days	IR	

Tender documents may be obtained through written request on the letter head of the firm/prospective bidder from the office of EE (E&M)-II, SDMC on payment of Rs. 500/- up to 15.06.2016 The same may also be downloaded from the SDMC website [www.mcdonline.gov.in](http://www.mcdonline.gov.in) and [www.mcdetenders.com](http://www.mcdetenders.com). The downloaded tender documents may be used for bidding purposes by enclosing a demand draft in favour of Commissioner, SDMC for an amount of Rs. 500/-.

1. The firms/agencies blacklisted/debarred from any Govt./Semi Govt. organization shall not be eligible for submission of bids.
2. Tender forms and specifications can be downloaded from the website of SDMC <http://mcdetenders.com> by the manufacturers / authorized dealers or reputed firms in such specialized jobs.
3. Bidder 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 in any origination of repute during the last seven years ending previous day of last date of submission of application.

AND

One work of any nature (either part of (3) above or a separate one) costing not less than 40% of the estimated cost with some Central / State Government Department / Central Autonomous Body / Central Public Sector Undertaking.

Similar work shall means: carrying out the work for truck mounted suction/suction-cum-jetting machines on hire basis.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of applications for tenders.

The certificate of satisfactory performance in respect of executed work as mentioned above duly signed by the concerned Ex. Engineer or equivalent of the concerned department needs to be submitted in the technical bid.

  
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South Delhi Municipal Corporation

- 4. Other documents needs to be submitted in the technical bid are as under: -
  - i. Documents in respect of (a) VAT Registration No./ TIN (as per GNCTD) (b) Service Tax
  - ii. Certificate from the bidder that the offer is as per NIT specifications / terms & conditions and there is no deviation.
  - iii. **For operation of pumping Stations/Mobile pumping Units/high discharges Units:-**
  - iv. a). Copy of EPF registration with Labour department in case of workers exceed 20(twenty) in Nos.
  - v. b). Copy of ESI registration with Labour department in case of workers exceed 10 (ten) in Nos, in case of below the 10 (ten) workers, the Group-Insurance is must.

- 5. The separate demand drafts for tender cost and earnest money payable to Commissioner, SDMC shall be submitted by the bidder in the office of the undersigned while purchasing and submission of tender documents.
- 6. The firms who have been black listed/debarred from any Govt. / Semi Govt. Organization shall not be eligible to participate in the tendering process
- 7. No conditional tender shall be entertained / considered for processing. The lowest tenderer will enter into the Contract-Agreement through its proprietor or Authorized Nominee, with Deptt. on prescribed performa on a Non Judicial stamp paper of Rs. 50/-.
- 8. The department at its sole discretion and without assigning any reason there-of, reserve the rights to accept/ reject, any / all, bids. The Deptt. does not bind itself to accept the lowest bid.
- 9. Deduction of taxes etc. applicable at source shall be made as per rules.
- 10. As per circular No. F506/E-in-C/204/1015 dated 20.04.2004, if the rates quoted by the lowest tenderer are found abnormally low the payment to the contractor for the work shall only be made after inspection by the Quality Control Cell at different stages and these finding shall be final and binding on the Contractor. All the testing charges from the independent laboratory shall be borne by the contractor. In case, the lowest contractor fails to commence/complete the work within the stipulated period, the contractor shall be liable for disciplinary action as per the provision of the enlistment rule / instruction issued from time to time. Quality Testing work will be carried out as per circular No.DEE (P)-III/409 & 410/2005-06 dated 27.07.05 amended vide circular No. D/SE (QC)/2006/1571 dated 25.10.06 & SE (QC)/06/07/D-2816 & 2817 dated 20.05.07 and amended time to time in future. Condition as per circular No. F-506/E-in-C/03/472 dated 1st July 2003 & its modified circular no. F-506/ E-in-C/ 03/858 dated 23.10.03 is applicable. (May be seen at notice board.) Conditions of arbitration are applicable as per SDMC norms

*AA*

Ex. Engineer (E&M)-II

Copy to:

- 1. Director (DEMS)
- 2. CVO (SDMC)
- 3. SE (EMS)
- 4. AE (E&M)
- 5. Tender Clerk
- 6. Acctt. (E&M)
- 7. Notice Board
- 8. Office Copy

*AA*

Ex. Engineer (E&M)-II

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**A. GENERAL INFORMATION**

- a. The tender documents will be issued to the firms from the office of the EXECUTIVE ENGINEER (E&M)/ Auto-II, LODHI ROAD AUTO WORKSHOP, UNDER SEWA NAGER FLY OVER, NEW DELHI-110003, Tel. No. 011-24620140, E-mail: [ee-auto2-sdmc@mcd.gov.in](mailto:ee-auto2-sdmc@mcd.gov.in) through written request on the letter head of the firm / prospective bidders against payment of tender fee in cash as specified above on any working days up to 5:00 pm on 15.06.2015, No tender shall be issued without deposit of the tender fee.
- b. The tender documents may also be downloaded from the SDMC website [www.mcdonline.gov.in](http://www.mcdonline.gov.in) and [www.mcdetenders.com](http://www.mcdetenders.com). The downloaded tender documents may be used for bidding purposes by enclosing a demand draft in favour of Commissioner, SDMC for an amount of Rs. 500/- while submission of tender documents.
- c. The intending contractors shall have to deposit Earnest Money amounting to Rs. 15,900/- in the shape of Demand Draft of a public sector bank drawn in favour of Commissioner SDMC in a separate sealed envelope along with the tender fee (in case tender has been downloaded from the SDMC's website) along with the tender document, signed on every page (part 'A' Technical Bid) at the time of submission of tender. Conditional, incomplete or, late received tenders shall not be entertained/ considered.
- d. Addendum/ corrigendum etc (if any) shall be uploaded SDMC websites only and the same shall be considered to be part of tender document and will be binding on both the parties. No press notification in this regard shall be made. The prospective bidders are advised to regularly scan the SDMC websites for any update with regard to the subject tender.
- e. The intending bidder must read the terms & conditions of the tender document carefully. He should only submit his bid, if he considers himself eligible and he is in possession of all the required documents.

**B. Bid to be submitted in two parts viz: -**

**PART - 'A' (TECHNICAL BID)**

**Envelope (a).**

**Earnest Money**

The requisite earnest money i.e. Rs. 15,900/- in the form of bank draft in favour of Commissioner SDMC and a demand draft of Rs. 500/- in favour of Commissioner, SDMC (in case the tender documents have been downloaded from the website) shall be kept in envelope (a) and shall be super scribed as "Earnest Money for Hire of two suction cum jetting machines having 4000 ltr. Capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC".

**Envelope (b). Qualifying Documents**

Qualifying documents accompanied with all the certificates as mentioned in NIT along with the tender documents signed on every page shall be kept in a separate sealed envelope duly super scribed as "Qualifying documents" for Hire of two suction cum jetting machines having 4000 ltr. Capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC".

The aforesaid two envelopes i.e. Envelope (a) Earnest Money and Envelope (b) Qualifying Documents shall be kept in a separate sealed envelope duly super scribed as "Technical Bid for Hire of two suction cum jetting machines having 4000 ltr. Capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC".

**PART-'B'**

The price bid for Hire of two suction cum jetting machines having 4000 ltr. Capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC shall be filled in the performa given in Annexure-A, Schedule of Quantity and shall be placed in a sealed envelope super scribed as "Financial bid for Hire of two suction cum jetting machines having 4000 ltr. Capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC".

The rates to be quoted by the contractor in financial bid should be both in figures and words should be covered by a transparent tape.

The sealed envelopes containing Technical Bid & Price Bid shall be kept in another sealed envelope super scribed "Bid for Hire of two suction cum jetting machines having 4000 ltr. Capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC". The single envelope so prepared is to be submitted in the office of EXECUTIVE ENGINEER (E&M)/ Auto-II, LODHI ROAD AUTO WORKSHOP, UNDER SEWA NAGER FLY OVER, NEW DELHI-110003 latest by 3:00 pm. on 17.06.2016.

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Note: All the envelopes as detailed above shall have the details of the bidder on the face of it i.e. the name of the bidders, address for communication and such details.

In case any of the envelope of a bidder is found unsealed or open or in torn / spoiled condition, the bid of the said bidder shall be summarily rejected.

Immediately after submission of the bids, at 3.30 pm on the same day, the main envelope containing technical bid and price bid will be opened in the presence of tenderers who may like to attend. The Technical Bids shall also be opened at the same venue and time. The technical bid will be opened only of those bidders who have submitted the requisite earnest money and tender cost (as applicable). Time and date of opening of price bid shall be intimated to the eligible bidders through official letter / email or phone etc after evaluation of the technical bids.

The bid documents duly signed shall be bind together of each parts (i.e A & B) separately.

In the event of any specified dates for submission / 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.

The rates of bidders shall hold good at least for a period of 180 days from the date of submission of Bids (including extensions, if any).

The South Delhi Municipal Corporation (SDMC) at its sole discretion and without assigning any reason thereof, reserves the right to accept and/ or reject, any or all bids. SDMC also does not bind itself to accept the lowest bid.

The successful bidder through its proprietor or authorized nominee will have to enter in the Contract Agreement with the department on prescribed Performa on a non-judicial stamp paper of Rs. 50/- for Hire of two suction cum jetting machines having 4000 ltr. Capacity for a period of three months for de-silting/cleaning of drains in South Zone, SDMC, within 07 days after issue of work order by the department.

The offered models should have valid approvals of appropriate authorities.

Service tax: - (Statuary provision: - Item no 25 of Notification 25/2012-ST dated 20.06.2012 of Deptt. of Revenue, Ministry of Finance (Govt. of India) chapter 68).

The service tax shall be exempted on the services provided by the contractor for "carrying out any activities in relation to any function ordinarily entrusted to a municipality in relation to water supply, public health, sanitation conservancy, solid waste management or slum improvement and up gradation". This is, however, subject to any further amendment/clarification issued by Govt. of India or any decision/ruling of the court in this regard. If applicable same shall be reimburse by the SDMC as per actual contribution paid by the contractor, wherever applicable, on the submission of proof of deposition of the same.

8. Tenderer will submit a certificate with under taking that the offer is as per the NIT specifications and there is no deviation.
9. If any dispute arises during the hire of the machine at any stage, the case shall be filed in the court under the jurisdiction of Delhi only.
10. The price quoted by the bidder shall be inclusive of all taxes/statutory taxes of Government (Service Tax Exempted).

Sign of Contractor with Seal

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Special terms and conditions:-

TECHNICAL SPECIFICATIONS

Technical specification of the 8000 Ltrs. & 4000 Ltrs capacity suction-cum-jetting Machine: The 8000 Ltrs. & 4000 Ltrs. Capacity vehicle mounted combined jetting cum suction machine(s) to be deployed for SDMC shall be as per following specifications :-

S. No	Name of Equipment/ Unit/Component	Description /Specification for 8000 Ltrs capacity machine	Description /Specification for 4000 Ltrs capacity machine
1.	CHASSIS	<p>Sufficient space shall be kept in the cabin for sitting accommodation of at least 6 persons. The firm shall make necessary arrangement for mounting the equipment on the chassis according to the rules laid by the Regional Transport Authority, Delhi. Chassis should not be less than 16T (GVW) Engine horse Power of makes TATA/ Ashok Leyland/ Eicher having adequate power supply to run the equipment. Chassis to be provided should be suitable for opening the P.T.O. at required duty conditions and should be compatible to the total running load on vehicle in operation.</p> <ul style="list-style-type: none"> <li>➤ Capacity for sludge/ sewage not less than: 3000 Ltrs.</li> <li>➤ Capacity for water not less than : 5000 Ltrs</li> </ul> <p>Total combined Capacity: 8000Ltrs.</p>	<p>Sufficient space shall be kept in the cabin for sitting accommodation of at least 3 persons. The firm shall make necessary arrangement for mounting the equipment on the chassis according to the rules laid by the Regional Transport Authority, Delhi. Chassis should not be less than 9T(GVV) Engine horse Power not less than 125 Ps@2400 RPM or equivalent of make TATA/ Ashok Leyland/ Eicher having adequate power supply to run the equipment. Chassis to be provided should be suitable for opening the P.T.O. at required duty conditions and should be compatible to the total running load on vehicle in operation.</p> <ul style="list-style-type: none"> <li>➤ Capacity for sludge/sewage not less than: 1500 Ltrs.</li> <li>➤ Capacity for water not less than : 2500 Ltrs</li> </ul> <p>Total combined Capacity: 4000 Ltrs.</p>
2.	TANK	<p>The cylindrical and Dish ends should be fabricated out of 6 mm thick plate conforming to IS: 2062 grade. The tanks made out of 6 mm thick M.S. plate shall be suitable to withstand the working pressure as well as vacuum and arrangement for hydraulic tipping. Rear door opening shall be available for unloading the material from the tank. It should consist of safety valves both for pressure and vacuum and with necessary arrangement for draining of fresh water. The tanks shall be provided with level indicator for sludge tank and clear water tank.</p>	<p>The cylindrical and Dish ends should be fabricated out of 6 mm thick plate conforming to IS: 2062 grade. The tanks made out of 6 mm thick M.S. plate shall be suitable to withstand the working pressure as well as vacuum and arrangement for hydraulic tipping. Rear door opening shall be available for unloading the material from the tank. It should consist of safety valves both for pressure and vacuum and with necessary arrangement for filling and draining of fresh water. The tanks shall be provided with level indicator for sludge tank and clear water tank.</p>
3	Suction System (Minimum Requirement)	<p>Vacuum Pump: (Exhauster /Compressor)            Delivery : Minimum 612 M3 /Hr. (10,200 LPM free air flow)            Minimum Vacuum – 92%            Suction Pipe – 100 mm            Minimum Operating vacuum- 80% Max            Depth of suction – 10 Mtrs.            Minimum Pressure – 2 Bar (Absolute)            Minimum Operating pressure – 1 Bar  <u>Safety Features :</u>            The following safety features shall be incorporated in vacuum system.            ➤ Pressure relief valve.</p>	<p>Vacuum Pump: (Exhauster /Compressor)            Delivery : Minimum 612 M3 /Hr. (10,200 LPM free air flow)            Minimum Vacuum – 92%            Suction Pipe – 100 mm            Minimum Operating vacuum- 80% Max            Depth of suction – 7 Mtrs.            Minimum Pressure – 2 Bar (Absolute)            Minimum Operating pressure – 1 Bar  <u>Safety Features :</u>            The following safety features shall be incorporated in vacuum system.            ➤ Pressure relief valve.</p>

*Handwritten signature*

**K.K. MEENA**  
 Executive Engineer (E&M)/Auto-II  
 South Delhi Municipal Corporation

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		<ul style="list-style-type: none"> <li>&gt; Vacuum relief valve.</li> <li>&gt; Ball float assembly.</li> <li>&gt; Primary shut off.</li> <li>&gt; Silencer breather to minimize noise &amp; air pollutions.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Vacuum relief valve.</li> <li>&gt; Ball float assembly.</li> <li>&gt; Primary shut off.</li> <li>&gt; Silencer breather to minimize noise &amp; air pollutions.</li> </ul>
4	Jetting System (Minimum Requirement)	System : Triplex plunger Pump Delivery Capacity : Minimum 210 LPM Pressure : 155 Bar (Rated)	System : Triplex plunger Pump Delivery Capacity : Minimum 225 LPM Pressure : 130 Bar (Rated)
5	Jetting Hoses & Hose Reel (Along with Nozzle)	Length : 120 Mtrs. Working Pressure : 3300 PSI Jetting Dia : 25 mm Size of Nozzle : As required Material of hose : Thermoplastic	Length : 120 Mtrs. Working Pressure : 2200 PSI Jetting Dia : 25 mm Size of Nozzle : As required Material of hose : Thermoplastic
6	Suction Hose	Size : 100 mm dia Length : 15 mtr (3x5 M)	As per requirement Length : 15 mtr (3x5 M)
7	Power transmission system (Power take off system)	Through out torque : 2000 Kgm on main drive shaft No. of out puts : 4 (Four) PTO output ratio : 1:28 PTO output torque : 130 Kg mtrs per shaft The following safety features shall be incorporated in high pressure jetting system. <ul style="list-style-type: none"> <li>&gt; Pressure regulating valve.</li> <li>&gt; Safety valve.</li> <li>&gt; Low water level alarm/cut off.</li> </ul> The PTO unit shall be suitable to deliver minimum torque and duties required and fulfill the requirements.	Through out torque : 400 Kgm on main drive shaft No. of out puts : 4 (Four) PTO Type : Split shaft PTO Other parameters as per requirement. The following safety features shall be incorporated in high pressure jetting system. <ul style="list-style-type: none"> <li>&gt; Pressure regulating valve.</li> <li>&gt; Safety valve.</li> <li>&gt; Low water level alarm/cut off.</li> </ul> The PTO unit shall be suitable to deliver minimum torque and duties required and fulfill the requirements.
8	Hydraulic System /Control	The hydraulic system includes hydraulic pump driven by vehicle PTO, hydraulic tipping cylinder, door opening cylinder, hydraulic motor for winding/unwinding of jetting hose, hydraulic tank, oil pipe and  Control valve. The entire controls/operation of the system is affected from a single location. The above tanks/equipments shall be mounted on suitable vehicle chassis with all safety measures for smooth operation of equipments and hour meter is to be separate for jetting machine and suction machine.	The hydraulic system includes hydraulic pump driven by vehicle PTO, hydraulic tipping cylinder, door opening cylinder, hydraulic motor for winding/unwinding of jetting hose, hydraulic tank, oil pipe and control valve. The  Entire controls/operation of the system is affected from a single location. The above tanks/equipments shall be mounted on suitable vehicle chassis with all safety measures for smooth operation of equipments and hour meter is to be separate for jetting machine and suction machine.

**SCHEDULE OF MAKES FOR JETTING CUM SUCTION SEWER CLEANING MACHINES (for 8000 Ltrs. and 4000 Ltrs. Capacity)**

S.No.	Description of Item	Makes
1.	Jetting Pump	Woma GB Ltd., UK/Prattisoli, Italy/Myers, USA/MORO, Italy
2.	Vacuum Pump	Mannesmann-Demag, Germany/Jourop, Italy/Masport USA/MORO Italy / Battioni Italy
3.	Power take off (PTO)	PZB, Italy/Omsi, Italy
4.	Jetting Hose	Parker, USA/Vector/Euro Power/Pirana, USA/AEROQUOP, Italy
5.	Suction Hose	Duraflex/ Kamalflex
6.	Nozzel	Nova Contec
7.	Hydraulic Pump	Dabfoss/Vicckers/Dowty

  
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 South Delhi Municipal Corporation

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1. RMS & CONDITIONS:

1. The rates includes all taxes as applicable to govt./semi govt. department till deploying the machine in Delhi except Govt. levels/taxes, if applicable, on hiring of these machines which will be paid extra as per statutory provisions/rules.
2. Payment shall be made on monthly basis. The divisional Engineer will verify the log book latest by 7<sup>th</sup> of next month, so as to submit these documents, to the concerned division for payment. Income tax etc. will be deducted from the bills as per prevailing directions of Govt. of Delhi.
3. Cost of diesel shall be paid as under:-  
Reading of Kms. = K Kilometers Average 1 Ltr. = 4 Kms  
Cost of diesel = Rate of diesel x consumption =  $K/4 \times$  rate of diesel (grade) on daily basis.
4. Bill should be based on per month /machine for 8 hrs. Shift exclusive of ½ hrs. Lunch break.
5. The prices are firm and no price variation shall be paid on any account.
6. The suction cum jetting machine shall be provided with hour run meter of reputed make and tested by approved govt. institution; required test certificate is to be provided by the firm. The meter is to be separate for suction cum jetting machines. The chassis should be equipped with meter for reading kilometers (Kilometer Meter). Initial reading and final reading be recorded on log book and got signed from Engineer-in-charge (EIC)/authorized departmental representative every day.
7. The firm shall depute the machine at various locations as per direction of Engineer-in-charge.
8. The firm will engage the required staff for operation and maintenance of each machine. The vehicle cum machine operator should be well trained and have proper HMV license issued by Regional Registration Authority.
9. The department will provide the staff for all the activities in the manhole and sewer line like opening and cleaning of manhole, de-silting of manhole if required to handle suction and jetting pipes including nozzle during operation of machine.
10. The machine shall be parked at local /nearby SDMC store/site and the firm shall be fully responsible for round the clock safety of the machines throughout the contract period. Any loss on account of theft or faulty operation or any type of accident shall be borne by the firm. The firm shall be permitted to erect a suitable temporary shed with locking arrangement for safety of the machine at place of posting. The design of the temporary shed shall be got approved from the Engineer-in-charge and the expenses shall be borne by the firm.
11. Consumable lubricant, spare parts and replacement of all required material shall be provided by the firm to ensure uninterrupted operation of the machines and shall record the items used.
12. The normal working hours of the machine will be from 9:00 AM to 5:30 PM with half an hour lunch break. The timing can be changed by the Engineer-in-charge as per site requirements. The vehicles shall be available for work for 25 day in a month. If machine is operated for additional hours the payment will be given on pro-rata basis and if operator reports late on duty or goes early, then deduction shall be made on pro-rata basis.
13. Equipments shall meet all the Regional Transport Officer (RTO) regulation from time to time.
14. The vehicles having valid registration certificate, latest fitness certificate, Road tax paid receipt, insurance and pollution check certificate shall be provided to the department and shall not take up and work other than of the SDMC. In case, it is found so, engagement of vehicles shall be terminate and firm shall be blacklisted.
15. The firm is bound to deploy the machine on holidays if required by the department and the payment shall be made on pro-rata basis and nothing extra shall be payable.
16. The firm shall abide by the prevailing guideline issued by the transport authority regarding the fitness of the vehicle on road. Any modification in rules issued by the authorities from time to time shall be binding on the firm and no claim shall be entertained on this account.
17. For any violation of traffic rules by the operating staff of vehicles, the firm shall be fully responsible.
18. In case of any accident, to the equipment/operational staff or to public during transportation and operation of machines, the firm shall be exclusively and fully responsible for its cause and consequences.
19. The firm will provide fifteen copies of contract agreement & the log book/attendance register shall be maintained wherein the total record of running of vehicles/equipment should be maintained as per the direction of Engineer-in-Charge by the firm.
20. The supervisory/operational staff shall constantly maintain communication with the Engineer-in-charge and work is to be carried out as per his guidance for running of machines and keep the machinery in perfect running order.
21. Firm shall ensure the periodical maintenance of the vehicles/machines to avoid/minimize the breakdown. In case of minor breakdown if the machine remains un-operated for more than three days, the firm shall be penalized Rs.1000/- per day from the day one. In the event of major break down/accident, the firm shall intimate to the Engineer-in-charge in writing and also provide the alternative suction-cum-jetting machine of the same capacity and specifications.

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