

# NAGAR NIGAM, DEHRADUN

## INDEX FOR THE TENDER DOCUMENT

Fabrication and Supply

Of

TRUCK MOUNTED REFUSE COLLECTOR FOR HOTEL WASTE (CAP.-5.0 Cu.M) ON  
TATA LPT 407 CHASSIS OF WHEEL BASE 3400 MM

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### PARTICULARS OF TENDER

1.	Particulars of work	Truck Mounted Refuse Collector For Hotel Waste (Cap.-5.0 Cu.M) On Tata LPT 407 Chassis Of Wheel Base 3400 MM
2.	Period of supply	Within 02 Month from the date of firm order/receipt of chassis whichever is later
3.	Cost of Tender Form	Rs 1000.00+14.5% Vat ash or DD in the name of Account Officer Nagar Nigam Dehradun
4.	Earnest money	2% of quoted rate
5.	Sale of Tender Forms	05-01-2017 to 18-01-2017
6.	Date and Time of submission of tender	19-01-2017 upto 3 pm
7.	Date and Time of opening of Technical Bid	19-01-2017 at 4 pm
8.	Place of opening of tender	Municipal Health Officer room Nagar Nigam Dehradun
9.	Period of Validity of tender	03 months
10.	Name and address of the firm to whom tender documents is issued	

Dated:

Municipal Health officer  
Nagar Nigam Dehradun

## TECHNICAL BID AND FINANCIAL BID REQUIREMENTS

Fabrication and supply  
Of

**TRUCK MOUNTED REFUSE COLLECTOR FOR HOTEL WASTE (CAP.-5.0 Cu.M) ON TATA LPT 407 CHASSIS  
OF WHEEL BASE 3400 MM  
In NAGAR NIGAM DEHRADUN**

Tenders are invited from the reputed, capable, efficient and experienced workshop/firms/companies for the supply and fabrication of Truck Mounted Refuse Collector For Hotel Waste (Cap.-5.0 Cu.M) with one year Warranty against the manufacturing defects.

The bidder should give a detailed technical proposal to carry out the above job as per the technical bid. The Financial bid shall be opened only after the approval of technical bid. All the bids shall be examined and evaluated first technically and as per the past supply experience and other relevant factors of the bidders. Such detail should be provided with the technical bid.

1. Supply and maintenance (for one year warranty) of Truck Mounted Refuse Collector For Hotel Waste (Cap.-5.0 Cu.M) During the last two years
  - 1.1 List of ULB, departments and places
  - 1.2 Total no of Truck Mounted Refuse Collector For Hotel Waste (Cap.-5.0 Cu.M) supplied
  - 1.3 Performance certificates copies and other copies issued by the competent authorities.
  - 1.4 Copy of letter showing satisfaction and any other relevant information.
  - 1.5 Average Annual Turnover must be not less then 03 carore for the last 03 year.
  - 1.6 Required earnest money as per 2% of the quoted rates.
2. Details of staff with their technical qualification and workshop details.
  - 2.1 Place and location of Workshop.
  - 2.2 Copy of the registration with the industrial department.
  - 2.3 Copy of sanctioning of the power connection taken from the power corporation of the state.
  - 2.4 Types of machines and their nos. at workshop.
  - 2.5 Bidder must have valid registration certificate for manufacturing from SSI
3. Income tax, Sales tax department registration and SSI department registration of the company.

Due to low no. of bidders, all the above tender proposals will be summarily rejected.

**TWO ENVELOPS TO BE USED FOR TECHNICAL AND FINANCIAL BID  
AND MODE OF SUBMISSION**

Separate sealed envelopes should be used for technical bid: Envelop 'A' and Financial bid Envelop 'B' and both the envelopes A and B are to be kept in a single envelop which is be sealed at the time of submission. Open envelops are liable to be cancelled. The envelops must be addressed to senior municipal health officer, Nagar Nigam, Dehradun.

Tender can be submitted at Nagar Nigam Dehradun in office of Junior Engineer (Mechanical)/Health Officer, Nagar Nigam Dehradun before the stipulated date and time. Tender can also be submitted through registered post or by hand into the tender box placed at office of health Officer, Nagar Nigam Dehradun before the stipulated date and time. After the stipulated date and time no tender will be considered. Delay due to postal services will be the liability of the bidder.

Only the rates or financial bids of such bidder shall be opened or considered who qualify in the technical bid.

**Very Important**

**Due to the non compliance of the above tender proposal will be summarily rejected.**

**TIME FRAME FOR THE SUPPLY OF TRUCK MOUNTED REFUSE COLLECTOR FOR HOTEL WASTE**

**(CAP.-5.0 Cu.M)**

- 1) After getting the information from Nagar Nigam, the lowest bidder is required to submit stamp paper and other formalities for signing contract and to be completed in all respect within 2 days by the lowest/qualifying bidder.
- 2) The supply of fabricated vehicle (duly mounted on chassis for ready use) shall have to be ensured by qualifying bidder at F.O.R Dehradun within next 2 months after confirmation of receipt of vehicle after joint inspection by competent authority of municipal corporation Dehradun & qualifying bidder.
- 3) After completion of fabrication and subsequent inspection by competent authority of Municipal Corporation Dehradun & receipt there of the newly supplied equipment inspection note shall be issued if required.
- 4) For time over run per day penalty may be imposed which may be rupees 500 per day per equipment after expiry of the stipulated time for supply. Time over run may be exempted for the genuine reasons which are to be forwarded by senior Municipal Health Officer.
- 5) After sale O&M, the equipment supplied should be attended by competent service engineer within 24 hours of sending notice by phone call/e-Mail and rectified satisfactorily within 24 to 48 hours after attending the same. The details of concerned person (to the limit of 3 persons) to be intimated in case of service requirement should be shared by the fabricator in the format as below.

S.No.	Name of concernd person	Designation	Contact No.	E mail ID
1				
2				
3				

In case of any changes in the above, concerned officials in MC Dehradun should be informed in writing well in time.

6) In case of failure to attend and rectify the faults as per the above time frame, Nagar Nigam Dehradun shall use its discretion to take recourse to punitive measures ranging from financial penalties to a maximum of blacklisting the supplies and sharing information with other organization which may be potential customers for the bidder in present or future times.

### PAYMENT SCHEDULE

1. After Proper supply and inspection of equipment the payment may be released after recommendation of the technical report of the junior Engineer (Mechanical)/committee prescribed for that work.
2. At the time of payment as per the standard practice of the government departments a security of 2.5% may be withheld upto a maximum of six months. This may be released after six months on proper functioning of the equipment after adjusting the earnest money deposit in shape of Bank Guarantee/FDR/CDR/NSC/DD pledged in the name of senior Finance officer, Nagar Nigam Dehradun.

### MAINTENANCE/WARRANTY

1. There will be a comprehensive maintenance warranty of 12 months from the date of supply.
2. Under the definition of warranty, the maintenance of the equipment for the smallest fault is considered to be covered except the accidental damage.
3. Local availability of educated technical man power and spares for necessary preventive and corrective maintenance, break down, services etc within 24 hrs will have to be insured by the firm during the warranty period
4. Any deviation from above terms/conditions should be clearly stated by bidder as a deviation statement in technical bid document

### OTHER CONDITIONS FOR SUPPLY

1. During the fabrication the authorized person from Nagar Nigam Dehradun may inspect the workshop/fabrication place getting the clear progress of fabrication and for ensuring the quality of the product.
2. Nagar Nigam Dehradun has the right to reduce or increase the requirement of the above Supply nos.
3. Supply of Truck Mounted Refuse Collector For Hotel Waste (Cap.-5.0 Cu.M) attached with new coming Tata chassis after 20 days when we will hand over 02 new coming Tata chassis to the bidder.

## INSTRUCTIONS TO THE BIDDER AND OTHER TERMS AND CONDITIONS

### C) EARNEST MONEY AND THE VALIDITY OF THE TENDER

1. Each tender shall be accompanied by the requisite earnest money in the form of Bank Guarantee/FDR/CDR/DD/NSC in favour of Senior Finance Officer, Nagar Nigam Dehradun.
2. Without earnest money tender is liable to be disqualified.
3. Earnest money shall be returned back after the supply of the equipment at the store at Nagar Nigam Dehradun or may be adjusted in the security deposit as desired by the bidder.
4. Validity of the offer must be 03 months from the date of submission of tender.

### D) CASTING AND OPENING OF THE TENDER

1. The tender must be newly written, preferably typed. Every page of the tender document should be signed with seal. The rate must be quoted in words also.
2. Nagar Nigam holds the right to reject any or all the tenders or accept any tender after analyzing technical bid and financial bid in total or in part of work may be decided among various tenders without assigning any reason.
3. Nagar Nigam has right to change the time of opening of technical and financial bid at any time.
4. All the information must be in English and figures must be in MKS system.
5. Tender must contain the name, address, place of business, land and mobile nos, email, website. The representative must bring the authorization letter from the bidder, having representative's attested signatures.
6. Any approach/undue pressure by any firm shall render the tender liable to be rejected.
7. Any tender if deviates from the given terms and conditions and technical specifications specified in the tender shall liable to be rejected.
8. On acceptance of the tender, the bidder will be required to execute an agreement which will be treated as contract for the tendered work on non judicial stamp papers of required value, as per G.O provisions.
9. If qualified bidder fails to sign the agreement within the stipulated period of 02 days from the date of the confirmation of the lowest bidder its earnest money shall be forfeited by the department.

10. The tendering firm/company should be registered under the relevant status by the relevant competent authority. The firm must attach copy of the registration certificates.

11. The tender price will be inclusive of all taxes and duties, i.e. central/state and local taxes vat etc. F.O.R Dehradun

### FINANCIAL STATUS

1. Bank guarantee shall be issued by the nationalized bank and duly signed and stamped.
2. Income tax Returns certificates of at least last 2 years

### CREDIBILITY

The bidder must give a certificate that he has not been or is not blacklisted from any government or semi govt. department.

नोट- बाहरी (चेसिले) को न्यूनतम / (सीक्रेट निविदादाता तारा अपनी प्रतिक्रिया/अर्ज से तारा निगम तक भेजें है जो कि वचन एवं भुगतान करना होगा अर्थात् चालनों से लगे ले जाने का पूर्ण उत्तरदायित्व निविदा में समाप्त/न्यूनतम निविदादाता का स्वयं का होगा।)



## TECHNICAL SPECIFICATIONS OF TRUCK MOUNTED REFUSE COLLECTOR FOR HOTEL WASTE (CAP.- 5.0 Cu.M)

i) **VOLUME:-**

The body of refuse collector cum compactor will be volumetric capacity 5.0 Cubic Meter.

ii) **BODY CONSTRUCTION:-**

Load body will be fabricated from M.S Sections to reduce weight and will be weld by CO2 MIG Welding process to minimize in built stresses. Thickness of M.S sheets will be as under:

a)	Floor	:	4.0 mm
b)	Sides	:	3.0 mm
c)	Top	:	3.0 mm
d)	Rear door	:	4.0 mm
e)	Push Out	:	3.0 mm

The sides will be properly corrugated and strengthened with tubular sections of 72x72mm cross section to give adequate strength during compaction with the rear door. However the floor will not be having any corrugation but will be strengthened with help of crossmember. The floor will have a duct along the body length and width of the chassis which will hold the Teflon sliders which will act as guides for the push out plate.

iii) **VEHICLE :-**

The equipment will be mounted on TATA 407LPT 3400 WB chassis.

IV) **PUSH OUT PLATE**

The equipment will be having a push out plate properly strengthened with rectangular/ square tube which will be pushed towards the rear door every time the garbage is dumped inside the body from the side doors thus causing a compaction of the same with the rear door. Also the same will be used to empty the garbage through the rear door without raising the garbage body thus reducing the wear and tear of the equipment. The push out plate will however run on the Teflon sliders which will run inside the guides channels provided in the bottom of the floor. The push out will be activated by help of double acting telescopic cylinder of reputed make.

v) **DOORS:-**

The equipment will have total of 3 nos of doors out of which 2 nos will be provided on the side ( 1 on each side ) which will be used to put the garbage inside the body and 1 nos on the rear which will be used for compaction of garbage and emptying of garbage. Each of the 3 doors will be actuated by means of hydraulic cylinder double acting and single stage type of reputed make.

vii) **HYDRAULIC CYLINDER:-**

There will be 4 Nos hydraulic cylinders in the equipment . 3 nos cylinders for 3 nos doors and 1 nos telescopic cylinder for compaction and ejection of garbage. All the cylinders will have bore and rod dimensions as per IS- 8208. A test certificate for proof/ pressure test and internal leakage test as per IS- 10585 should be enclosed with each cylinder by cylinder manufacturer. Make of hydraulic cylinders will be Dantal , Canara , Fort Hydraulic or equivalent.

(a) FOR SIDE DOORS : 1 No of double acting SINGLE STAGE cylinder for each of the 3 doors

80 mm bore dia 50 mm shaft dia.

(b) FOR PUSH OUT: 1 Nos. multi stage telescopic double acting

viii) **HYDRAULIC TUBES : -**

All M.S. pipes used for transmitting the hydraulic fluid should be seamless & will be not less than 8 mm ID & 13 mm OD.

ix) **HYDRAULIC PUMP:-**

A Dowty make Gear Type hydraulic pump (with capacity of 6 GPM , Max. pressure 200 bars ) will be operate the complete hydraulic operations . The pump will be driven thru vehicle engine thru P.T.O.

x) **CYLINDER SEALS:-**

The cylinder seals will be PU seal of Parker/ Bushak- Shamban/ Markel or equivalent makes .

**xi) HYDRAULIC CONTROLS:-**

Mono block spool valve make Walvoil/ BADESNOST or equivalent makes. 3 nos for each of the door and one no push out. The levers for PTO and Tipper will be strong and sufficient length, The Hydraulic system will have return line filter with magnet & indicator & pouring oil filter of standard make.

**xii) HYDRAULIC OIL TANK :-**

The hydraulic oil tank will be 80 Ltrs capacity filled.

**xiii) HYDRAULIC OIL: -**

The grade 68 hydraulic oil will be used of reputed brand available in India.

**xiv) SUB FRAME: -**

Lower frame will be 'C" section 150x65 mm .

**xv) BUSH & PINS:-**

All Bushes and Pins will have provision for lubrication.

**xvi) HOSES:-**

Hydraulic hoses will be maximum working pressure of 170 Bar , make of GATES / AEROQUIP.

## Price Sheet- SCHEDULE 'B'

Name of Work	Qty	Ex works Price (Single Item) INR	Excise Duty (Single Item) INR	VAT (Single Item) INR	Other taxes(Octroi Service Tax, etc.) (Single Item) INR	F.O.R.Dehradun per Item INR	Total Amount (F.O.R Dehradun) INR
Fabrication and Supply Of Truck Mounted Refuse Collector For Hotel Waste (Cap.-5.0 Cu.M) On Tata LPT 407 Chassis Of Wheel Base 3400 MM		INR	Rate: %	Rate: %	INR	INR	INR
To be submitted financial bid sealed envelope "B"							

Name of Bidder organization:

Junior Engineer (Mechanical)  
Nagar Nigam Dehradun

Municipal Health Officer  
Nagar Nigam Dehradun