



OFFICE OF THE LANKA MUNICIPAL BOARD
DIST.-HOJAI(ASSAM) PIN-782446

TENDER DOCUMENTS AGAINST DETAILED NOTICE INVITING TENDER

No. LMB-531/2020/71

Date:-14-06-2021

Schedule of Tender

Issue date of Tender	Starts on 15-06-2021 from 11.00AM to 3.00 PM Closes on 28-06-2021 at 2.00 PM
Submission of Tender Document	Closes on 28/06/2021 at 2.00 PM
Opening of Tender Document	Opening on 28/06/2021 at 3.00 PM



**OFFICE OF THE
LANKA MUNICIPAL BOARD
LANKA::HOJAI::ASSAM**

NIT No-LMB-531/2020/ 71

Date: 14-06-2021

NOTICE INVITING TENDER (NIT)

Sealed quotations are invited by “**The Executive Officer, Lanka Municipal Board, Lanka, Hojai, Assam**” under Two Bid system by affixing Non-refundable Non-judicial Court Fee Stamp of Rs.8.25 (Rupees Eight & Twenty Five paisa) only from the intending Suppliers/ Firms/ Companies for supply of following items under 14th FC (1st installment for the year 2018-19 during the year 2019-20) and the same will be received in the Office of the undersigned on dated **28-06-2021 up to 2.00 PM** and will be opened on the same day at 3.00 PM in presence of intending tenderers or their authorized representatives. In case, the day of submission of the tender happens to be a holiday on account of Govt. notification, then tender shall be received up to 2.00 PM on the next working day and will be opened at 3.00 PM on the same day, for which no separate communications will be made.

The Tenderers must provide the quotations separately as “**TECHNICAL BID**” and “**FINANCIAL BID**” in two separate envelopes and must be submitted in a single envelope addressed to the “**The Executive Officer, Lanka Municipal Board, Lanka, Assam**”.

Sl. No.	Particulars of Supply Items	Unit (No.)
1	Supply , fitting & fixing of 8 CUM Vehicle Mounted Garbage/ Refuse Compactor Machine <u>General Specification:</u> Vehicle Chassis : ASHOK LELYAND- ECOMAT 1215 BS-VI CHASSI / TATA VI CHASSI (COMPLETE SPECIFICATION ATTACHED WITH TENDER PAPER AS FOLLOWS)	1

2.	Supply & Delivery of Back Hoe Excavator Loader <u>General Specification :</u> Make : JCB/Bulle / Escorts /Mahindra (COMPLETE SPECIFICATION ATTACHED WITH TENDER PAPER AS FOLLOWS)	1
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Technical Specifications of Garbage Compactor (8 CUM)

SL No.	Tender Specifications
1.	<p>General :</p> <p>The Garbage Compactor Vehicle should be a universal type and suitable for changing fields of operation. It should be easy to handle and should allow the loading personnel to operate the vehicle with minimum physical effort and maximum safety.</p> <p>The vehicle should be capable of automatically unloading garbage from closed containers of 1100 Litres capacity, with facility for automatic opening of Bin Lid / Cover when in fully lifted condition in compactor hopper, with inbuilt link arrangement of Bins.</p> <p>The Loading Height should not be more than 1.2 Mtrs from the- ground level.</p> <p>The Body should consist of: Front bearings of refuse collection body, Refuse collection body with ejection panel, Tailgate with hopper, slideplate, packer plate and Bin lifter.</p>
2.	<p>Garbage Collection Body:</p> <p>The refuse collection body should be in torsion-free steel construction of capacity 7 m³. The bottom group, the sidewalls and the top must form a box-type design. The sidewalls as well as the top should be in reinforced frame steel construction. The tailgate bearing and automatic tailgate locking should be integrated into the rear frame of the body. At its front, a traversing bar should be welded to the bottom and top, which serves as a bearing for the telescopic ejection cylinder.</p> <p>(a) Roof paneling thickness: minimum 2 mm</p> <p>(b) Side paneling thickness: minimum 3 mm</p> <p>(c) Flooring thickness: minimum 4 mm</p> <p>(d) Rear cross bar thickness: minimum 6 mm</p>

	(e) Superstructure Member thickness: Box section minimum 4 mm (f) Frame Member thickness: minimum 6 mm
3.	Ejection Panel: The ejection panel should run on a synthetic guide block within the lateral longitudinal guides of the boat type

	<p>bottom group of the refuse collection body and must be operated by a telescopic hydraulic ram. It must serve during loading as a resistance for the refuse compaction process.</p> <p>The ejection plate should be of steel plate of minimum 4 mm thickness and of suitable grade to meet the operational requirements. A hydraulic control unit should regulate the withdrawal of the ejection panel during the loading process, so that the compaction is optimized.</p> <p>The mechanism should consist of a profile-reinforced; wear resisting plate of great sturdiness and the guide frame, with the guide-blocks.</p> <p>Alignment of ejection plate should be proper during forward & reverse movement.</p>
4.	<p>Tailgate:</p> <p>The tailgate should form the main part of the refuse collection vehicle. The Tailgate should be made up by three main groups:</p> <p><u>Tailgate with hopper:</u> The tailgate with hopper should form the basic structure-to which the functional parts, slide plate and packer- plate should be attached. It should be equipped with Automatic-locking system through long hole and hooks. This locking-system should be completely liquid-proofed between tailgate and body by using double lips rubber seal.</p> <p>The hopper should be able to take the refuse from the garbage bins. The hopper should have a capacity of minimum 1.20 M³. At its top, it should be fixed to the refuse collection body by means of two slotted hinges and should be supported by two hydraulic rams and two locking hooks mounted to the rear frame of the body. These bearing points and the locking hook should take up the compression forces. The profile-reinforced side walls of the frame should constitute the bearing for the two hydraulic rams which automatically release the locking mechanism and then lift the loading system for refuse discharge up to the final stop.</p> <p>The hopper used to take in the refuse should be permanently welded in between the side walls and should consist of highly solid fine-grained constructional steel made of High resistance steel.</p> <p><u>Slide Plate:</u> The carriage plate should be robust profile reinforced steel construction Supplied with a wear-resistant cover plate made of high resistant Steel. The thickness of side plate should be of suitable grade material. It should be actuated by two hydraulic rams, and must run on suitable number of sliding blocks. At the bottom end of the slide plate a moveable packer plate should be Embedded.</p>

	<p>The packer plate should consist of highly solid steel and the strongly Reinforced lateral bearing arms for the attachment of the hydraulic rams. It should clear the hopper and initiate the primary compaction within the hopper. On completion of The swivel movement the compaction of the refuse & its transportation into the refuse collection body should begin. The packer plate should be made of special High resistance steel of suitable grade.</p> <p>Side paneling thickness: minimum 3 mm</p> <p>Rear side of hopper plate thickness: minimum 6 mm</p> <p>Hopper bottom plate thickness: minimum 6 mm</p> <p>Superstructure Member thickness: minimum 6 mm</p>
5.	<p>Lifter System:</p> <p>The lifter should be reliable - system with proven technology. Optimum system should be there for the collection of various types of refuse within one collection point and its low rake rail should permit the hand loading of bulk refuse items as well as the easy emptying of wheel bins. Tipping of 1.1m³ container and simultaneously working of the compacting mechanism must be possible without moving back the lifter. This should be done without damaging the container.</p> <p>During the compaction operation, loading/unloading of bins and travel of Truck should be able to operate continuously to continue to save operation time.</p> <p>The lifter should be able to unload Garbage from bin of size 1100Litres. Should be light weight for high legal payloads.</p> <p>A safety valve shall be provided in the system to avoid sudden descent of bin lifter in a case of failure in hydraulic system or failure of automatic system.</p>
6.	<p>Mounting: The lifter should be integrated at the rear end of the tailgate.</p>
7.	<p>Chassis:</p> <p>Make: Ashok Leyland Ecomat 1215 / TATA , BSVIGVW</p> <p>Minimum 10500 Kg</p> <p>Wheel Base: minimum 3800 mm</p>

8.	<p>Dumping Operation:</p> <p><u>Tailgate Operation</u></p> <ul style="list-style-type: none"> • Tailgate opening and closing for dumping should be controlled from behind driver's cabin • Optional hand lever for manual operation. • The tailgate hydraulic valves should be lever operated <p><u>Ejector Plate operation</u></p> <ul style="list-style-type: none"> • This operation should be controlled from behind driver's cabin • Optional hand lever for manual operation • The ejector plate hydraulic valve should be lever operated.
9.	<p>Actuation:</p> <p>Hydraulic actuation via hydraulic pump driven by the P.T.O. of the vehicle chassis.</p>
10.	<p>Pump:</p> <p>Hydraulic system should be driven through a hydraulic pump.</p>
11.	<p>Rams/ Cylinders:</p> <p>1 Three-stage telescopic ram, double-acting for the Ejection panel. 2 hydraulic rams, double-acting for the slide plate Double acting Slide-cylinders (for compacting) should be located outside of the sidewalls. The cylinders are mounted in pulling position/ pushing position.</p> <p>2 hydraulic rams, double-acting for the packer plate 2 hydraulic rams, double-acting for the tailgate (lifting/lowering and automatic locking)</p> <p>The lifter should be integrated in the tailgate and have 2 lifting / tipping cylinders</p> <p>There should be minimum 9 Nos. Hydraulic Cylinders. Cylinders should be equipped with lubricating bearing.</p> <p>All cylinders should be of reputed make.</p>
12.	<p>Control blocks:</p> <p>1 control block for the compaction system</p>

	1 control block for lifting/lowering the tailgate and refuse ejection
13.	<p>Tank:</p> <p>Hydraulic fluid tank; capacity approx. 120 Litres (Minimum) equipped with a suction strainer, a return line filter and a level indicator.</p>
14.	<p>Filters:</p> <p>Return line filter with steel cartridge. Filter for hydraulic tank.</p>

15.	<p>Electric: The system should encompass all installations relevant for the functioning of the entire bodywork and the distribution, voltage should be tapped from the electrical system of the chassis vehicle. Lights: Double light-system at the rear are provided Working light Rotation light. Parking Light Stop Light Direction Indicator. Number Plate Light</p>
16.	<p>Selector switch: Working Light (Cab) - One Finishing [Rotating Light] (Cab) - One</p>
17.	<p>Push button: Emergency Stop for PTO - One</p>

Technical Specification of Backhoe Excavator Loader

Make : JCB/ Mahindra /Bulle / Escorts	
Power — Minimum 90 hP 4WD with 6 in 1 Loader	
Engine Capacity (cc)	Minimum. 3532 CC
No of Cylinders (Nos.)	4
Engine	Min 90 HP. 2000 RPM
Type of Steering	power
Type of \Wheel Drive	Four (4) wheel Drive
wheelbase	Min 2175 mm
Ground Clearance (mm)	Approx. 0.35 m
Cabin	Company fitted
Type of tire	Industrial
Loader Bucket Type	6 in 1
Loader' Bucket Capacity	Minimum 1.1 Cum
Back Hoe Bucket Capacity	Minimum 0.3 Cum
Hydraulic System	Reputed Smart technology make
Back Hoe Bucket	Minimum 2 nos 1)0.1 cum 2)0.3 cum
Overall length	Min 6218mm
Wheel base	Min 2175mm
Max Length carry position	7684mm
Max dig depth	5097mm
Max working height	6295mm
Max load over height	433mm
Lift capacity of backhoe to bucket pivot at full reach w/o bucket	1400kg
Lift capacity of loader height	Max 3170 kg
Net weight of machine	Min 7771 kg
Fuel tank capacity	Min 120 liter
Hydraulic oil capacity	Min 100 liter
Engine oil	13.7 liter
Tyres ---- Front	9 x16-16pr
Rear	16.9 x28-12PR

TERMS & CONDITIONS:

Solid Waste Management is an area which requires innovative approaches and related machinery. Here quotations are only sought from parties who have a tried and tested solution. It may be noted that for Solid Waste Management system, it is not necessary that the lowest bidder will be awarded the work. Rather focus would be more on the experience, success stories and component quality and the machinery provided.

The following terms & conditions are to be fulfilled compulsorily for any proposal to be considered.

- (a) The concerned party should have a minimum experience in providing Solid Waste Management system and should have successfully completed at least 1(One) similar works/ Solid Waste Management or Garbage handling Equipments/ Liquid waste Handling Vehicle in any Municipal Boards, ULB, Urban Development , any other Govt. organization/ Private Organization in Assam and N.E states.
- (b) Financial Bid, Technical Bid is to be submitted in 2(Two) different envelop.
- (c) Performance security is to be kept as per decision taken
- (c) Audited balance sheet of last 3 financial years should be submitted.

DOCUMENTS TO BE SUBMITTED:

- 1) Copy of PAN card, GST Certificate, Trade License, MSME certificate/ ISO Certificate.
- 2) IT Return certificate for Last Two Year
- 3) Work order Copy

OTHERS:

- 1) The successful party must supply the items within 45 days from the receipt of the order.
- 2) Necessary taxes will be deducted as per Govt. norms.
- 3) The undersigned does not bind itself to accept the lowest rates and has the authority to cancel or reject any quotation without assigning any reason.
- 4) Payment will be made as per the availability of fund.

A handwritten signature in blue ink is written over the date 14/06/2021. The signature is stylized and appears to be 'R. N. S.'.

Executive Officer,

Lanka Municipal Board

Executive Officer
Lanka Municipal Board
Lanka : Hojai : Assam

FINANCIAL BID

- 1) Submitted to :
- 2) Submitted by :
- 3) Reference :
- 4) Financial bid submitted for :
- 5) Rate quoted /tender as per terms & conditions governing (including all Taxes, also including all incidental charges such as Insurance, Registration and transporting etc., including fitting , fixing & delivery at site as directed & specified):

Sl No	Description of the Goods	Unit	Quantity	Quoted price including all charges (In Rs.)	Quoted price including all charges (In Word)
2	Supply & Delivery of 4WD Back Hoe Excavator Loader (According our Specified/ Enclosed Specifications)	No	1		

Place.....

Date:.....

Seal & Signature of the Bidder

NB: The financial is submitted in a separate sealed envelope along with the tender paper. The Lanka Municipal Board, Lanka will not be compelled to accept the lowest Bid price of the Bidder. The committee will consider only the reasonable & possible price of the goods and the decision of the Lanka Municipal Board, Lanka Shall be final in this regard. The authority reserves to reject the Bidders/tenders without any reason thereof.

DECLARATION BY THE BIDDER

It is hereby declared that I the undersigned, have read and examined all the terms & conditions etc. Of the Bid document, for which I have signed and submitted the bid personally/under proper lawful of Attorney. It is also certified that all the terms & conditions of the Tender document are fully acceptable to me and I will abide by the conditions of the terms and conditions.

Date.....

Full Signature of the Bidder with seal

FINANCIAL BID

- 1) Submitted to :
- 2) Submitted by :
- 3) Reference :
- 4) Financial bid submitted for :
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Date.....

Full Signature of the Bidder with seal

9. DETAIL INFORMATION OF BIDDER:

To:
The Chairman/ Executive Officer
Lanka Municipal Board
Lanka – 782 446

I/ We furnishing the detail information which are as follows. (For organization they are to submit their detail as mentioned in the documents)

- (I) Name of Bidder:
(In Block Letter) _____
- (I) Power of Attorney holder:
(In case organization) _____
- (II) Postal Address: _____
- (III) Telephone no: _____
- (IV) E-Mail Address if any: _____
- (V) Contact person _____
- (VI) Telephone no: _____
- (VII) Registration no: _____
- (VIII) Department of Registration: _____
- (IX) Renewed up to: _____
- (X) PAN No : _____
- (XII) GST No: _____

Yours faithfully,

Signature of the Bidder with Seal