TENDER DOCUMENT FOR PURCHASE OF: PITLESS ELECTRONIC WEIGHBRIDGE

Tender Number: 6000009761/336/BULLION, Dated: 10.07.2017

This Tender Document Contains__________Pages.

Details of Contact person in SPMCIL regarding this tender:

Name: HIMANSHU .  
Designation: OFFICER (MATERIALS)  
Address: IGMH (India Government Mint, Hyd)  
India
## Section1: Notice Inviting Tender (NIT)

6000009761 /336/BULLION (SPMCIL’s Tender SI No.)

(Tender Number:6000009761) 10.07.2017

### 1. Sealed tenders are invited from eligible and qualified tenderers for supply of following goods & services:

<table>
<thead>
<tr>
<th>Sch. No.</th>
<th>Brief Description of Goods/services</th>
<th>Quantity (with unit)</th>
<th>Earnest Money (In Rupee)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pitless Electronic weigh bridge 50MT</td>
<td>1.000 nos</td>
<td>30200.00 INR RUPEES THIRTY THOUSAND TWO HUNDRED ONLY 0.00</td>
<td>QTN ENVELOPE SHALL BE SUPERSCRIBED WITH OUR ENQ NO &amp; DATE OF OPENING</td>
</tr>
</tbody>
</table>

**Type of Tender (Two Bid/ PQB/ EOI/ RC/ Development/ Indigenization/ Disposal of Scrap/ Security Item etc.)**

ONE-BID LIMITED

**Dates of sale of tender documents:**

From to during office hours.

**Place of sale of tender documents**

**Closing date and time for receipt of tenders**

01.08.2017 14:45:00

**Place of receipt of tenders**

INDIA GOVERNMENT MINT, HYDERABAD

**Time and date of opening of tenders**

01.08.2017 15:00:00

**Place of opening of tenders**

INDIA GOVERNMENT MINT, HYDERABAD

**Nominated Person/ Designation to Receive Bulky Tenders (Clause 21.21.1 of GIT)**

HIMANSHU . OFFICER (MATERIALS)

**NOTE:**

"THIS NOTICE IS BEING PUBLISHED ONLY AS AN ABUNDANT PRECAUTION AND IS NOT AN OPEN INVITATION TO QUOTE IN THE TENDER PARTICIPATION IN THIS TENDER IS BY INVITATION ONLY AND IS LIMITED TO THE SELECTED INDIA GOVERNMENT MINT, HYDERABAD'S REGISTERED BIDDERS FOR THE ITEM, WHO HAVE BEEN SENT THIS TENDER BY POST/COURIER. UNSOLICITED OFFERS ARE LIABLE TO IGNORED."

2. Tenderer may also download the tender documents from the web site https://igmhyderabad@spmcil.com and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.

3. Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped in the tender box located at the address given below on or before the closing date and time indicated in the Para 1 above, failing which the tenders will be treated as late and rejected.

4. In the event of any of the above mentioned dates being declared as a holiday/ closed day for the purchase organisation, the tenders will be sold/ received/ opened on the next working day at the appointed time.

5. The tender documents are not transferable

6. Any security breach by the contracting party will lead to

1. Termination of the Contract
2. Payment of damages

(HIMANSHU)
OFFICER (MATERIALS)
TEL.NO.040 27260629

Regd. Office:-16th Floor, Jawahar Vyapar Bhawan, Janpath, New Delhi-110001

Sec01.1
For and on behalf of
GENERAL MANAGER,
INDIA GOVERNMENT MINT, CHERLAPALLY, HYDERABAD

........................................
........................................
(Name Designation, Adress telephone number etc
of the officer signing the document)

For and on behalf of
........................................

Regd. Office:-16th Floor, Jawahar Vyapar Bhawan, Janpath, New Delhi-110001
Sec01.2
Section II: General Instructions to Tenderers (GIT)
Part 1: General Instructions Applicable to all type of Tenderers

Part I & Part II.

Refer to our Website: http://www.spmcil.com/spmcil/uploaddocument/git.pdf
Section II: General Instructions to Tenderers (GIT)
Part II: Additional General Instructions Applicable to Specific type of Tenderers
Section III: Specific Instructions to Tenderers (SIT)

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

(Clauses of GIT listed below include a possibility for variation in their provisions through SIT. There could be other clauses in SIT as deemed fit.)

<table>
<thead>
<tr>
<th>Sr No</th>
<th>GIT Clause No.</th>
<th>Topic</th>
<th>SIT Provision</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Sec03.1
Section IV: General Conditions of Contract (GCC)

Part I

Refer to our Website: http://www.spmcil.com/spmcil/uploaddocument/GCC.pdf
Section V: Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below. These Special Conditions will modify/ substitute/ supplement the corresponding (GCC) clauses. Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

(Clauses of GCC listed below include a possibility for variation in their provisions through SCC. There could be other clauses in SCC as deemed fit)

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>GCC Clause No.</th>
<th>Topic</th>
<th>SCC Provision</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>8.2</td>
<td>Packing and Marking</td>
<td>AT SUPPLIER’S COST</td>
</tr>
<tr>
<td>02</td>
<td>11.2</td>
<td>Transportation of Domestic Goods</td>
<td>AT SUPPLIER'S COST</td>
</tr>
<tr>
<td>06</td>
<td>16.2, 16.4</td>
<td>Warrantee Clause</td>
<td>MINIMUM TWO YEARS (SERVICE AND SPARES ASSURANCE FOR MINIMUM TEN YEARS)</td>
</tr>
<tr>
<td>10</td>
<td>22, 22.1, 22.2, 22.4, 22.3, 22.6</td>
<td>Terms and Mode of payments</td>
<td>PAYMENT WILL BE MADE WITHIN 30 DAYS AFTER FULL RECEIPT, ACCEPTANCE &amp; APPROVAL OF CONCERNED AUTHORITY.</td>
</tr>
<tr>
<td>11</td>
<td>24.1</td>
<td>Quantum of LD</td>
<td>0.5% OF DELIVERED PRICE OF THE DELAYED GOODS FOR EACH WEEK OF DELAY OR PART THEREOF TO A MAXIMUM OF 10% OF DELAYED GOODS</td>
</tr>
</tbody>
</table>
### Section VI: List of Requirements

<table>
<thead>
<tr>
<th>Schedule No.</th>
<th>Brief Description of goods and services (Related Specifications etc. are in Section-VII)</th>
<th>Accounting Unit</th>
<th>Quantity</th>
<th>Amount of Earnest Money</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pitless Electronic weigh bridge 50MT</td>
<td>nos</td>
<td>1.000</td>
<td>INR 30200.00 RUPEES THIRTY THOUSAND TWO HUNDRED ONLY 0.00</td>
</tr>
</tbody>
</table>

Terms and Conditions relating to Tender:

1. Quotation may be submitted on or before scheduled time as mentioned in NIT, with signed Tender Copy in a sealed cover duly super scribing the Tender No and due Date of Opening.

2. Quotation and rate should be valid for 90 Days from the date of opening. Rate should be quoted for free delivery of the item at India Govt. Mint, Hyderabad.

3. Authorized representative of the bidder need to submit the authorization form which is available with the tender document.

4. Earnest Money Deposit (EMD), if required, to be submitted as a DD, drawn in favour of General Manager, India Government Mint, (SPMCIL)# payable at Hyderabad.

5. EMD of a bidder will be forfeited, if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect with in the period of validity of its tender. Future, if the successful bidder fails to furnish the required performance security with in the specified period, its EMD will be forfeited.

6. If order value exceeds Rs.1,50,000/- the bidder has to submit Security Deposit (SD) i.e. an amount equal to 10% of the order value prior to release of PO for faithful execution of the order. The same will be returned within 60 days, beyond the date of completion of all contractual obligations including warranty. Failure in part of the bidder to comply with the PO obligations will lead to forfeiture of SD.

7. Delivery period 90 days maximum from the date of PO which includes postage time.

8. Payment will be made within 30 days after satisfactory supply of material as per PO.

9. Liquidated damages (LD) will be levied @ 0.5% each week subject to a maximum of 10% of the value of delayed quantity of goods / services.

10. The General Manager, India Government Mint, Hyderabad reserves the right to reject all or any of the tenders and also short close / cancel the Purchase Orders.

11. Income tax will be recovered at source as per rules.

12. Please mention your PAN No.

13. The bidders may mention whether they come under the MSME Act 2006 & submit the required Certificate. Firms under MSE 2012 Policy will be exempted from any kind of Tender Fee & Earnest Money Deposit (EMD).

14. No revised quotation will be permitted during the validity of the tender.

15. Acceptance of material is subject to our approval and if the item supplied is in volume, length & weight etc., a tolerance of plus or minus (+/-) 5% is applicable.
16. No conditional tender shall be accepted.

17. The bidders have to give quotations on their letter head address for correspondence along with Telephone Numbers and also their E-mails.

18. Please provide GST No (if not present then firm should give a declaration in support of the same); also provide Material HSN (Harmonised System Nomenclature) number / Service Accounting Codes (SAC) number for referred material/services as applicable.

OFFICER(MATERIALS)
FOR GENERAL MANAGER
INDIA GOVERNMENT MINT
HYDERABAD
Section VII: Technical Specifications

1. Pitless Electronic Weighbridge 50 MT............1 No

   Size : 9 meter x 3 meter

A. Description of Work:

1. The scope of work includes Dismantling and removal of the existing old weigh bridge of capacity 20 Tonn and shifting of the same at specified location in IGMH premises directed by IGMH representatives.


3. Civil Works:

a. Dismantling of old RCC/PCC concrete of structures viz. beams, slabs, foundations, removing of loose deteriorated material and shifting of the debris at specified location directed by IGMH representatives.

b. Civil foundation drawing for new weigh bridge.

c. Supply of all materials and construction of foundation as furnished/ specified in the civil drawing for the installation of new Weigh Bridge.

B. Technical Specification:

1. Weigh bridge capacity: Electronic Weigh bridge 50 MT (ISO/ISI certification)

2. Weigh bridge platform: 9m x 3m. The structure and platform should be of robust design and adequate strength to sustain the repetitive static and dynamic load.

3. Weighbridge Specifications:

a. Overload capacity: 50% of rated capacity.

b. Type of constraining: Appropriate constraining arrangement without hampering weighment accuracy.

c. Frequency of loading: 10-30 trucks per hour minimum.

4. Platform structures:

a. Material of construction of Components: Mild Steel as per IS: 2062.

b. Main beams (>450), Cross beam (>250): ISMB from SAIL or reputed manufacturer conforming to IS 2062 chequered antiskid Mild Steel plate as per IS:2062 (from SAIL or Steel from reputed manufacturer having ISI approval) in convenient lengths of thickness should not less than 12 mm.

c. Total Weight of Platform Structure: Should not less than 6 MT capacities and tenderer will have to indicate the approximate weight of steel structure with detailed calculation indicating the details/size of structure to be used.

d. Material Test Certificate: To be provided by tenderer.

5. Electronic weighing system and load cells:

   Should be reputed indigenous/imported make. Manufacturer’s test certificate in respect of all requirements specified in IS 9281 as amended on date to be furnished by the contractor for each electronic weighbridge.

   Capacity of each load cell will be as under: Capacity of Load Cell 6 Nos. 30 MT or more. Load cell should have anti-routeable pin to restrict the movement the load cell.

   Load cell performance: load cells conforming to OIML C5 accuracy
6. Scope of supply:

a. Electronic load cell type, pit-less Weigh Bridge of capacity 50 MT and platform of 9M x 3M size with accessories.
b. Complete Platform with main girders, support section, horizontal constraining Arrangements and grouting parts as required; generally confirming to IS:2062 as amended on date.
c. Load cell with integral cables and mountings for load cells.

d. Electrical and electronic parts comprising of:
   i. Junction Boxes.
   ii. Cable joining junction box and weigh cabin.
   iii. Digital Weight Indicator with isolator. iv. PC with 17" LED Colour Monitor and Mouse with Intel Dual Core microprocessor.
   v. Laser Printer compatible with PC.
   vi. U.P.S (2KVA, 6 Hrs backup)
   vii. Jumbo display unit.
   viii. Power Supply: The equipment should be suitable for operation on 220-240 V, single phase 50Hz A.C. supply. The equipment shall suitable for successful operation under different climatic conditions such as temperature ranging from 10° to 60° and humidity up to 95%.

e. All other items needed for installation and functioning of weighbridge.

7. Technical Requirement

a. The weighbridge shall have overload capacity, at least 50% of rated capacity. The requirement shall be tested for dimensional parameters. Functional testing will be done at site.
b. Material specifications for major platform components shall be as per IS: 2062.
c. Minimum gradation for weighbridge shall be 5 Kg. or as per IS, whichever is Lower.
d. Accuracy: 0.025%
e. Load cell shall be hermetically sealed and have IP68 protection class. Test Certificate in confirmation of the above class by a reputed Test House to be provided along with tenders.
f. The main girders and members should be completely welded to each other, nut bolted structure will not be acceptable.
g. The weighbridge shall be Pit-less type above ground, with concrete ramp having Suitable slopes on either side to facilitate vehicle approach on the weighbridge.
h. Weighbridge reading shall not differ by more than one resolution value, when the Vehicle is placed on different locations on the weighbridge.
i. The weighbridge calibration should stay for a minimum period of one year from the date of installation without the need for any re adjustments.

8. General Requirements

a. The performance of the load cell as well as the total system shall also comply to all the technical and metrological requirements laid down under the Indian Weights & Measures Act, 1976 and IS:9281(Part-III)-1981 as amended on date. The work shall be executed in accordance with the latest PWD specifications and IS Codes.
b. Hermetically sealed (IP.68 Protection class) maintenance and corner adjustment free, inert-gas #filled, contact, compression type load #cell suitable to operate under (-) 10 degree centigrade to 65% with an ultimate over load capacity of 300%. Load cell supplied should be compulsory with original certificate being the serial No. by the original load cell manufacturer.
c. The sealing and stamping of the total weighing system shall confirm to the requirements laid down under "Indian Weights & Measures Act. 1976".
d. The chassis of the electronic equipment shall be designed in the manner that it is feasible to lock the whole...
system electronically to make it completely tamperproof at one place for subsequent verification by the concerned authorities.

e. The main girder/beams and cross beams will be preferably in single piece without any welded/joint section.

f. Proper ingress and lighting protection as per Indian Standards.

g. Firm should have ISI/ISO certifications.

9. Insulation resistance - 700 M ohms or better

10. Junction Box

a. Protection class : IP65.
b. Surge Protection : Surge arresters provided within.
c. Material of Construction: Cast Aluminium/Stainless steel.
d. Connection Type : Terminals on PCB mounted inside Junction Box.
e. Glands for entry : Double compression type.

11. Interconnecting cable:

a. The load cells to be provided with 4 wire system and shield type cable of suitable length to be laid in GI pipe.
b. Number of wires of interconnection, Type of connection, Type of cable to be specified by the manufacturer#s/supplier.

12. Digital weight indicator, Personal Computer, Printer and compatibility:

a. Digital weight indicator:
   This should be state of the art high performance microprocessor based system having high internal resolution, clear and bright six digit LED/Digital display auto zero tracking tare/gross weight indications, Auto calibration facilities etc. It should be capable of interfacing with the computer for further processing of data as per requirement operating temperature is to be -5 degree centigrade to 50 degree centigrade, response time less than 0.5 seconds, electrical safety IEC-348.

b. Personal Computer:
   The P.C. of HP/Dell/IBM or any other standard brand should be of Intel core i5 processor or above, min. 4 GB RAM, 1TB hard disk, console port, Preferablebly or same standard of Intel mother board, equipped with 104 keys Alpha Numeric Key Board. 17inch LED colour Monitor, Mouse, with latest window operating system (Preferably windows 7 or above).

c. Laser Printer:
   The equipment shall be provided with electronic recording unit designed to provide printed records of (a) SL, (b) date, (c) code (d) gross weight (e) tare weight (f) net weight and (g) commodity etc. and any other fields available in a format to be discussed at the time or after finalization of order.

d. Compatibility:
   The electronic weigh bridge should be integrated and compatible with SAP environment. The system should be compatible to customized with add-ons like camera plate recognition, surveillance cameras, traffic barriers, RFID integration, vehicle position system etc. (Vendor may submit an offer as optional accessories).

13. U.P.S: Online UPS of standard make e.g.TVSE/ Tata/ Libert/ APC / Numeric/Inova/ Data Vision of capacity 500 VA supported by 2 Nos. of 150 AH each /3 Nos. of 100 AH of Exide/Standard/AMCO or equivalent approved make maintenance free batteries for 6 hrs. Operation in case of power failure.
14. Voltage Stabilizer/Transformer: Servo transformer/ Constant Voltage Stability Stabilizer Transformer (rating: 2 KVA, i/p: 140 V-280V, o/p: 220V +/-5%) of reputed and approved make to protect the equipment from voltage variation.

15. Jumbo display unit: An additional display unit at suitable place outside the cabin of weighs bridge for clear viewing of drivers in day light or in darkness of character size of 100mm. 5 digits, LED/Digital type to be provided.

16. Foundations and Platform Bed:

i. The foundations and RCC raft for surface mounted platform shall be designed on the basis of the allowable soil pressure for the respective sites, any special treatment that may be required for the foundation to cater the need of the poor soil conditions shall be carried out by the contractor at his own cost. Suitable guarding arrangement need be incorporated lengthwise of the platform to prevent sliding of vehicles as per relevant IS code. The contractor shall be required to submit 4 copies of the drawing along with design calculations for approval by the IGM Hyderabad. The IGM Hyderabad shall be at liberty to modify the design given by the contractor and he should follow the same without any extra claim. Adequate drainage to prevent flooding/dust e.g cement plastered surface below weighbridge structure. (construction of Weigh Cabin is not required)

ii. Shop Tests and Inspection: Type tests and routine tests shall conform to IS 9281 (Part-II) as amended up to date and those specified herewith.

iii. Installation: Alignment and adjustment of machinery shall be carried out by skilled and experienced machinery fitters. All machinery shall be assembled fitted or mounted in such a manner that all necessary clearance shall be retained. The contractor shall be responsible for all necessary alignment and adjustment of structure, machinery and equipment to obtain efficient operation of the equipment.

iv. Painting: Two coats of anticorrosive and one coat of finished paint on all steel structure after preparation of surface to be applied for protection against corrosion/rust.

v. Drawing and Data to be submitted by Contractor: The contractor shall at his own expense prepare and submit four copies of the drawings showing foundation details. Location and size of bolts and structural steel supports, general arrangement and assembly drawing, showing important particulars, overall dimensions and clearance etc.

vi. Two copies of certified copies of Installation manuals, Inspection and Maintenance Manual, Operation Manuals.

17. Code and standards to comply with: IS-9281 (Part-I, II, III & IV as amended on date) for Electronic weighing system including load cells.

18. Service warranty: Minimum 2 years (Service & spares assurance for minimum 10 yrs)

19. Inspection and acceptance: Full load test to be demonstrate the maximum capacity, Demonstration of all features of the weighing machine, indicator system and accessories to the satisfaction of India Govt Mint for effective use of the machine.

20. Scope of Civil and allied job:

i. Dismantling of old weigh Bridge structure: Civil Foundation completed in all respect as per approved drawing, surface mounting including Ramp. Two no#s of earth pits completed in all respect (including earthing wire etc. up to weigh bridge cabin)

ii. Errection, testing, commissioning, provision of cranes, lifting labors, materials in all respect, shall be done by agency

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Sec07.4
iii. Material shifting/handling to weighbridge site by agency.

iv. Stamping fees and other expenses to be borne by the party.

v. Verified and stamped Test weights (minimum 20 Kg X 50 no#s of C.I. weights) as per weights and measure to be provided by party.
Section XV: Bank Guarantee Form for Performance Security

[insert: Bank's Name, and Address of issuing Branch or Office]

Beneficiary: [insert: Name and Address of SPMCIL]

Date: .....................

PERFORMANCE GUARANTEE No.: .............................

WHEREAS ......................................................... (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no. ............................. dated ............to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of .......................................................... (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

We undertake to pay SPMCIL up to the above amount upon receipt of its first written demand, without SPMCIL having to substantiate its demand.

This guarantee will remain in force for a period of forty five days after the currency of this contract and any demand inrespect thereof should reach the bank note later than the above date.

..................................................
(Signature with date of the authorized officer of the Bank)

..................................................
Name and designation of the officer

..................................................
Seal, name & address of the Bank and address of the Branch

..................................................
Name and designation of the officer

..................................................
Seal name & address of the Bank and address of the Branch
Section XVII: Letter of authority for attending a Bid opening

The General Manager,
India Government Mint, Hyderabad.

Subject: Authorization for attending bid opening on 01.08.2017 in the Tender of PITLESS ELECTRONIC WEIGHBRIDGE.

Following persons are hereby authorized to attend the bid opening for the tender mentioned above on behalf of __________________________ (Bidder) in order of preference given below.

<table>
<thead>
<tr>
<th>Order of Preference</th>
<th>Name</th>
<th>Specimen Signatures</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
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</tbody>
</table>

Alternate representative
Signatures of bidder or
Officer authorized to sign the bid
Documents on behalf of the bidder.

Note:

1. Maximum of two representatives will be permitted to attend bid opening. In cases where it is restricted to one, first preference will be allowed. Alternate representative will be permitted when regular representatives are not able to attend.
2. Permission for entry to the hall where bids are opened may be refused in case authorization as prescribed above is not recovered.
Mailing List (List of Vendors)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Vendor Number</th>
<th>Vendor name</th>
<th>Vendor Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>104573</td>
<td>The Bidder,</td>
<td>The Bidder,</td>
</tr>
</tbody>
</table>