



OFFICE OF THE GUWAHATI MUNICIPAL CORPORATION
ENGINEERING WING::DIVISION-IV::FANCY BAZAAR MARKET COMPLEX

Detail Quotation Notice

1. Bid Details

Date of downloading of RFQ document	08/01/2022 onwards
Last Date and Time for submission of Bid	21/01/2022 up to 2.00 PM <u>Address for Submission:</u> Head office, GMC, Panbazar, Guwahati-01
Date, Time & Venue of Bid Opening	21/01/2022 at 3.00 PM Venue: Head office, GMC, Panbazar, Guwahati-01
Address for Communication	The Commissioner, Guwahati Municipal Corporation, Panbazar, Guwahati- 781001, Assam Mail ID- guwahaticom@gmail.com

Note:

- In the event of any date indicated above is a declared holiday, the next working day shall become operative for the respective purpose mentioned herein.
- RFQ documents can only be downloaded from GMC website www.gmc.assam.gov.in. RFQ documents will not be sold at GMC counters

2. General Terms & Condition (ToR)

- The details of the Particulars required as per the list below –

Sl. No.	Particulars
1	Supply, Installation, Testing, Commissioning, Stamping and Annual Maintenance Contract of 60 MT Capacity Pit Less Type Electronic Weigh Bridge Including Civil & Electrical work hiring for Swachhta Khetra at Pashim Boragaon

- b) Bid must be accompanied with an Earnest Money of Rs. 50,000.00 (Rupees Fifty Thousand) only in the name of the Commissioner, Guwahati Municipal Corporation duly pledged in the form of Fixed Deposit from any scheduled bank with a validity of 6 months.
- c) The bidder must be furnished RFQ as per the Annexure – I.
- d) The bidder must furnish their full postal address/contact numbers/e-mail ID with the bid. All correspondence onwards will be made by ordinary post / e-mail which will be assumed to be received by the addressee and no complaint will be entertained on non-receipt of letter. Change of Address should be intimated immediately.
- e) Quotation must be enclosed with up to date Trade License, PAN Card, and GST Registration Certificate.
- f) GMC may terminate the contract at any moment if the performance of the equipment is not satisfactory or any other.
- g) Rate quoted should be inclusive of GST and all other taxes & manpower. No allowance including transportation charge for Operator/Technician will not be paid
- h) If the Equipment due to any hardware, electrical and software defect becomes non-operational, it must be repaired immediately or a replacement must be provided within same day. Failure of this lead to forfeit of EMD
- i) The bidder shall have to ensure the security of the equipment provided to the Corporation. GMC will not be liable for any damage of the equipment during operation and beyond operation hours.
- j) All cost towards the repairing etc. will be borne by the bidder under the warranty period of equipment.
- k) The quotation must submit in a sealed envelope. The name of work as **“Supply, Installation, Testing, Commissioning, Stamping and Annual Maintenance Contract of 60 MT Capacity Pit Less Type Electronic Weigh Bridge Including Civil & Electrical work hiring for Swachhta Khetra at Pashim Boragaon”** should be written clearly over the envelope in Block letter.
- l) The Contractor shall at his own expense prepare and submit two copies of drawings showing foundation details, location and size of bolts and structural steel supports, general arrangement and assembly drawings showing important particulars, overall dimensions and clearances etc. i.e. 2 years.
- m) Warranty / Guarantee cards of all the items i.e. Load cells, Display Unit, PC, Printer, UPS, shall be given along with the supply.
- n) Calibration & Stamping to the weigh bridge by Legal Metrology, Govt. of Assam shall be arranged by the supplier on their own expenses.
- o) 2 No's CD/ DVD with loaded software (including license if it is licensed software) shall be given along with the supply for our future use.
- p) All the locks/pass words to the software shall be disclosed at the time of supply.
- q) Training required by GMC Operators to operate the machinery supplied should be arranged by the supplier free of cost for sufficient number of days.
- r) After sales service should be available within 24 to 48 hours of intimation oral/written.
- s) The weigh bridge should have warranty/guarantee against manufacturing defects and repairs and maintenance for a period of 2 years.
- t) The annual maintenance charges (AMC) should be separately quoted for electronic weigh bridge along with weights and measures renewal and stamping.
- u) During AMC will have to report complaining section within five hours from the receiving of maintenance call, you will be sole responsible for the loss occurred due to delay in maintenance and / or wrong calibration of measuring electronic road weigh bridges or service of electronic road weigh bridge and the sum of loss shall be deducted from the payment amount towards the penalty if any.
- w) The undersigned reserves the right to reject all or any bid without assigning any reason thereof and does not bind itself to accept the highest rate.

3. Instruction to Bidders

- 3.1 The bidder must submit the following details –
 - 3.1.1 Copy of PAN Card
 - 3.1.2 Copy of Up-to-date Trade Licence of GMC.
 - 3.1.3 Attested copy of Registration Certificate of the Firm.Co-operative Society or Company as the case may be, issued by the lawful authority.
 - 3.1.4 GST clearance certificate.
- 3.2 Any Conditions of the bidder sent along with RFQ will not be entertained.
- 3.3 Bid of a bidder will not be considered if it is blacklisted by any of its clients or other agencies.
- 3.4 Tender with overwriting at any place will be rejected.
- 3.5 The selected bidder will be issued a LoI (Letter of Intent) before entering into an agreement.
- 3.6 Non-fulfilment of any of the terms and conditions as made herein above shall invite rejection of the tender without any further reference.
- 3.7 On acceptance of any tender the tenderer shall be liable to pay any or all lawful taxes including turnover tax as per Contract. The Corporation will not entertain any of such claim whatsoever in this respect.
- 3.8 No person, firm, co-operative society or company will be allowed to participate in the tender process if either convicted by any Court of law or blacklisted by the Corporation at any point of time. The previous conducts or records of any such tenderer, if any shall form the basis for all actions of GMC for any such purpose.
- 3.9 It would be obligatory on the part of the tenderers to sign the tender documents on all relevant pages and for all component parts thereof.
- 3.10 The decision of the authority in this regard will be final and binding.
- 3.11 Submission of Bid –
 - Main envelop clearly mentioning – **“Supply, Installation, Testing, Commissioning, Stamping and Annual Maintenance Contract of 60 MT Capacity Pit Less Type Electronic Weigh Bridge Including Civil & Electrical work hiring for Swachhta Khetra at Pashim Boragaon”**
 - Inside the main envelope Seal & Signed Bid Document along with all required document, Bid Fee, EMD and Rate Quotation in Bidders letter Head.

Sd/-
Commissioner
Guwahati Municipal Corporation
Panbazar, Guwahati

TECHNICAL SPECIFICATIONS INDEX

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8.0	Junction Box
9.0	Interconnecting Cable
10.0	Digital Weight Indicator Personal Computer & Printer
11.0	U.P.S.
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Technical Specifications

1.0 General

The structure and platform shall be of robust design and adequate strength to sustain the repetitive static. Platform size and specifications are as under:

Sl. No	Capacity	Platform size	Weight of platform structure	Chequered/antiskid MS Deck Plate thickness	No. of load cells(compression/double ended shear Beam type)
1.	60MT	12MX3M	Not less than13 MT	Not less than14 mm	8nos.

2.0 Codes and standards to comply with

IS-9281(Part-I,II,III& IV, as amended on date)for Electronic weighing system including load cells may be seen for 60MT ELWB.

3.0 Scope of Supply:

- 3.1 Electronic load cell type, pit less - weighbridgeofcapacity60MTandplatformofasabovesizesrespectivelywith other accessories.
- 3.2 Platform complete with main girders, support sections, horizontal constraining arrangements and grouting parts as required; generally conforming to IS: 2062.
- 3.3 Load cells with integral cables and mountings for load cells.
- 3.4 Electrical and electronic parts comprising of:
 - Junction boxes
 - Cable between junction box and weigh cabin.
 - Digital Weight Indicator
 - **Personal Computer(make HP/DELL)should be ofInteli5,6th generationor above 2.8GHzormorespeed** equipped104keys“alphanumeric Keyboard” having memory of minimum100000weighments,17”LED or above Colour Monitor and Optical Mouse.
 - Dot Matrix 80col.Ticket Printer (**make EPSON/TVS/WIPRO/HCL**)compatible with PC.
 - Constant voltage stabilizer.
 - U.P.S.
 - Jumbo display unit

3.5 Power Supply:

The equipment should be suitable for operation on 220V, single phase 50 cycle A.C supply. The equipment shall be suitable for successful operation under different climatic conditions such as temperature ranging from-10 degree centigrade to 60 degree centigrade and humidity upto 95%.

4.0 Technical Requirements:

- 4.1** 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.
- 4.2** Material specifications for major platform components shall be as per IS:2062.
- 1.** Minimum graduation for weighbridges 60MT shall be $(\pm)10\text{Kg}$.
 - 2.** Load cells shall be **hermetically sealed/double ended shear beam and have IP68 (with inbuilt type) protection class. Test certificate from reputed test house not more than one year old of the make and model of load cell confirming to IP-68 should be provided by tenderer/bidder.**
 - 3.** The main girders and other cross members shall be rigidly secured to the foundation restricting any movement of Weigh Bridge. Proper constraining arrangement shall be provided for protecting weighbridge against fast moving trucks on it when it is not in use, *by providing speed breakers on both sides.*
 - 4.** The weighbridge shall be pit less type above ground, with concrete ramp having suitable Slope on either side to facilitate vehicle approach on the weighbridge.
 - 5.** Weighbridge readings shall not differ by more than one resolution value, when the vehicle is placed on different locations on the weighbridge.
 - 6.** Digital Weight Indicator and Personal Computer with alphanumeric keyboard with minimum memory of 10,000 weighments, 17" LED and above Colour Monitor and Optical Mouse suitable to operate under temperature -5 degree centigrade to 50 degree centigrade. Battery backed memory should also be provided.

The weighbridge calibration should stay for a minimum period of one year from the date of installation without the need for any readjustments.

5.0 Weighbridge Specifications:

Overload capacity	50% of rated capacity
Type of constraining	appropriate constraining arrangements without hampering weighments accuracy
Frequency of loading	30trucks per hour minimum

6.0 Platform Structural's:

Material of Construction of Components:

Main beams, Cross beams and Transverse Beams: Mild steel as per IS: 2062 as amended on date of make, of SAIL/TISCO/ESSAR OR equivalent of **reputed manufacturer.**

Deck Plate: Chequered/ anti-skid Mild Steel plate as per IS: 2062 as amended on date of make of SAIL/TISCO/ESSAR OR equivalent of **reputed manufacturer** in **convenient lengths of thickness not less than 14mm for 60MT.**

Total Weight of Platform structure:

Sl.No	Capacity	Platform Size	Weight of platform structure	No. of load cells
1	60MT	12MX3M	Not less than 13MT	8nos.

Material Test Certificate: To be provided by Bidder.

7.0 Electronic weighing system and load cells:

Should be of reputed indigenous/ imported make. Manufacturer's test Certificates in respect of all requirements specified in IS: 9281 (Part-III) as amended on date to be furnished by the contractor for electronic weighbridge.

General Requirements:

1. Hermetically sealed (IP-68 Protection class) maintenance and corner adjustment free, inert-gas filled, point contact, **hermetically sealed Compression Type/Double ended shear beam type** load-cell suitable to operate under(-) 10 degree centigrade to 60 degree centigrade temperature and upto 95% moisture/ humidity; capable to sustain specified overload, destruction load and side thrusts without further adjustment.
2. Housing of Stainless Steel/Tool steel.
3. Capacity of each load cell will be as under:-

Capacity of ELWB	Capacity of Load Cell
60MT	08Nos.20MTorMore

4. Insulation resistance-5000Mega ohms or more.
5. Proper ingress and lightning protection as per Indian standards.
6. Load cell to be supplied with suitable mount kit with insulation pad and in lockable Sheet Metal Box.

8.0 Junction Box:

- Protection class: IP66
- Surge protection: Surge arrestors provided within.
- Material of Construction: Cast Aluminum/stainless steel
- Connection type: Terminals on PCB mounted inside Junction box.
- Glands for entry: Double compression type.

9.0 Interconnecting Cable:

The load cells to be provided with 4-wire system and shielded type cable approximately 20 meters in length to be laid in class "B" GI Pipe.

10.0 Digital weight Indicator, Personal Computer and Printer:

10.1 Digital Weight Indicator:

This should be state of the art high performance microprocessor based Alpha Numeric Weighing system having high internal resolutions, clear and bright Eight digit LED 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 50degree centigrade, response time less than 0.5 seconds, electrical safety IEC-348. And it should have facilities for connecting the printer directly incase computer fails.

10.2 Personal Computer:

The P.C. of (make HP/DELL) should be of Intel i5, 6th generation Duo Processor or above (2.8GHz or more speed) equipped with 104 keys "Alpha Numeric" Key Board having memory of minimum 100000weightments. Operating temperature range is to be -5 degree centigrade to 50degree centigrade with minimum 17" LED Colour Monitor, Optical Mouse, 1 TB Hard Disk, 8 GB RAM with Window 7 or latest Operating System. Data protection by Lithium battery for 16,000 Hrs. during power off.

10.3 The Printer (80Col.)with speed compatible with the Micro-Processor.

The equipment shall be provided with electronic recording unit designed to provide printed records of (a) Sl. No. (b) Date (c) code (d) gross weight (e) tare weight (f) net weight and (g) commodity .It shall be free standing, microprocessor based, dot matrix impact type printer interfaced with indicator system. Operating temperature range should be (-) 5 degree centigrade to 50degree centigrade of reputed make such as EPSON/TVS/WIPRO/HCL.

10.4 Standard Software which will indicate time, date, customer's name, material, particular struck no., challan no., Tare Wt., Gross wt., Net Wt., etc as per requirement.

11.0 U.P.S.

Online UPS of reputed Micro-tek make of 500VA supported with 2 nos. of 130 AH or 3 nos. of 90AH each of Exide/ Standard/ AMCO or equivalent approved make maintenance free batteries for 6hr. operation in case of power failure.

12.0 Constant Voltage Stabilizer/Transformer:

2 KVA rating servo transformer with input 140V – 280V and output $220 \pm 5\%$ of reputed and approved make to protect the equipment from voltage variation.

13.0 Jumbo Display Unit:

An additional display unit at a suitable place outside the cabin of weighbridge for clear viewing of drivers in day light or in darkness of character size of 100 mm, 5 digit bright, LED type to be provided.

14.0 Notes

- 14.1** Weighbridge manufacturers / supplier / local representatives, having own or their principal's manufacturing facilities relating to load cells and related electronic instruments and weighbridge components shall be given preference.
- 14.2** Manufacturers, their dealers/representatives/ suppliers should have appropriate license for the installation of the weighbridge system from Directorate of Metrology, Government of India/ State Government.

14.3 Sealing and Stamping:

- 14.3.1 The sealing and stamping of load cells as well as that of the total weighing system shall conform to the requirements laid down under "Indian Weights & Measures Act, 1976"/The legal metrology Act 2009 and amendment Act 2011.
- 14.3.2 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 sub sequent verification by the concerned authorities.
- 14.3.3 Packing: The mechanical and electronic components of the weighing system shall be suitably packed. All the conditions of storage before actual installation shall be Specified by the manufacturers.
- 14.3.4 Performance: The performance of the load cells 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.

15.0 Civil Works

The work shall be executed in accordance with the latest PWD Specifications

15.1 Foundations and Platform Bed:

The foundation sand 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 to the needs 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.

15.2 (a) Ramp and Approach Road:

On both sides of the weighbridge, ramps and approach road of suitable length connecting it to the adjoining main roads on both sides and with width equal to the width of the weighbridge shall be provided. Suitable speed breakers at distance one and half meter from platform on each end are to be constructed. This ramps/road shall consist of the following: -

- i) 150mm thick sand filling well rammed.**
- ii) 150mm thick lean concrete of (1:4:8)mix**
- iii) 175mm thick plain cement concrete of Grade M-20(1:1½:3).**

15.3 Cabin:

A weigh bridge room of internal dimensions of 03 mtr. by 04 mtrs by 3 m (height above plinth level) having plinth height of 0.60m above GL, consisting of RCC Footings, columns, beams & roof, brick/stone masonry walls shall be provided. Flooring shall consist of 150 mm thick sand filling, 100 mm thick PCC (1:4:8) sub-base layer floor with 40 mm thick PCC (1:2:4) floor topping with smooth finish. Steel door and windows partly glazed with grills fixed to windows shall be provided. The internal surface shall be cement plastered. Roof shall be laid with proper terracing and treated for water proofing; along with providing and lying of bricks tiles over roof grouted with cement and mortar 1:3 (1 cement:3 fine sand) and finished neat, & mixed with 2% of integral water proof compound by weight of cement over 12mm layer of cement mortar.

The internal surfaces of walls shall be finished with dry distemper and external surfaces treated with snowcem of approved quality and shade. Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement :3 course sand:6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size well rammed and consolidated and grouted with fines and including finishing the top smooth 0.90 meter wide along with the cabin walls.

16. Electrical Works (supply, installation, testing & commissioning):

This shall conform to *latest* PWD specifications

16.1 Service connection for 230V supply upto the switch board in the cabin.

16.2 The wiring shall be carried out with copper wiring PVC insulated of suitable size in recessed PVC conduit as per *latest PWD* specifications.

16.3 Number of light/fan points will be as under:-

a) Light Points along with LED and accessories	02Nos.	Supply and installation of 18/20Watt LED fitting of make Bajaj/Philips/Crompton/Havells inside the cabin.
	01Nos.	Supply and installation of 35/35 watt LED streetlight fitting of make Bajaj/Philips/Crompton/Havells complete with accessories mounted on G.I. pipe bracket Outside the cabin.
b) Fan Point	01Nos.	Supply and installation of 1200 mm sweep ceiling fan complete of approved make with electronic regulator conforming to relevant ISI specifications (make Crompton/GEC/orient/usha/ havells).

16.4 (a) 5Amps Socket outlet: 1 No. On the switch board Socket outlet itself (ISI Mark Standard make).

(b) 15Amps Socket outlet.1.Nos.At skirting level(ISI Mark standard make)

(c) Modular switches are to be provided in the cabin.

16.5 Main Board Providing: MCB-DB 06 way with 01 No.40 Amp MCB DP Incoming and 06 No.5 amps to 32amps MCB(outgoing): **1 Set**

16.6 (a) Pipe Earthing complete as per latest PWD Specification **1 Set**

(b) Copper Plate Earthing copper earth plate 600mmx600mmx3mmthick 1Set for electronic equipment as per latest PWD Specifications.

(c) A suitable lightning arrestor must be provided with an exclusive GI plate 600mmx600mm thick earthing as per latest PWD Specification for protection of equipment from lightning.

17.0 Shop Tests and Inspection

17.1 Type tests and routine tests shall conform to IS: 9281 (Part-II) as amended unto date and those specified herewith.

17.2 Shop Assembly: Equipment shall be shop assembled, prior to Transportation/shipment, to the extent required to facilitate field installation.

18.0 Installation

18.1 Fitting of Machinery

18.1.1 Alignment and adjustment of machinery shall be carried out by skilled and experienced Machinery fitters.

18.1.2 All machinery shall be assembled fitted or mounted in such a manner that all necessary Clearance shall be retained.

18.1.3 The contractor shall be responsible for all necessary alignment and adjustment of structure, Machinery and equipment to obtain efficient operation of the Equipment.

18.1.4 **Errors**, omissions and misfits shall not be corrected by burning, except with permission of GMC.

19.0 Painting

Two coats of anti-corrosive and one coat of finished paint on all steel structures after preparation of surface to be applied for protection against corrosion/rust.

20.0 Drawing and Data to be submitted by Contractor

20.1 The Contractor shall at his own expense prepare and submit two copies of drawings showing foundation details, location and size of bolts and structural steel supports, general arrangement and assembly drawings showing important particulars, overall dimensions and clearances etc.

20.2 On completion of the Work and before the tests are carried out, the contractor shall at his own expense prepare and supply to the GMC two (2) certified copies of the following: -Installation Manuals. Inspection and Maintenance Manuals, Operation Manuals.

20.3

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

(b)Thickness of M.S .Plate for Deck should be not less than14mm for 60MT weighbridges.

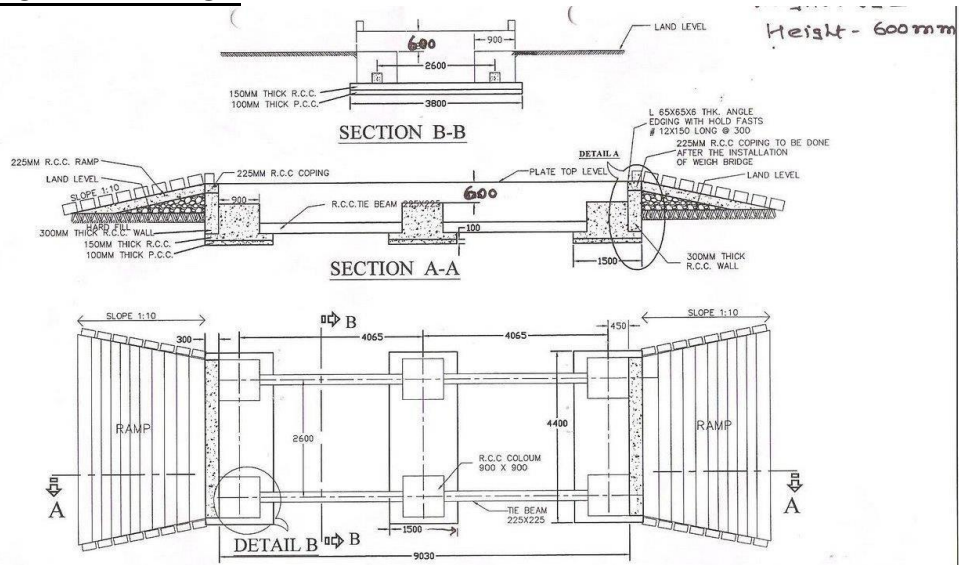
21.0 Software Requirement

a) Comprehensive software for data entry, input from weigh bridge, manipulation like Mathematical calculation, consolidation etc. Different material names, addition of columns and rows and different formatted reports should be able to generate and print. Many features like sorting, searching, totaling should be available in application software to be provided and installed on computer hardware. The software has to be installed by tenderer on computer and should be made fully operational. Any trouble shooting in software will have to be sorted out by supplier

The new features if required will have to be added by the supplier in the application software.

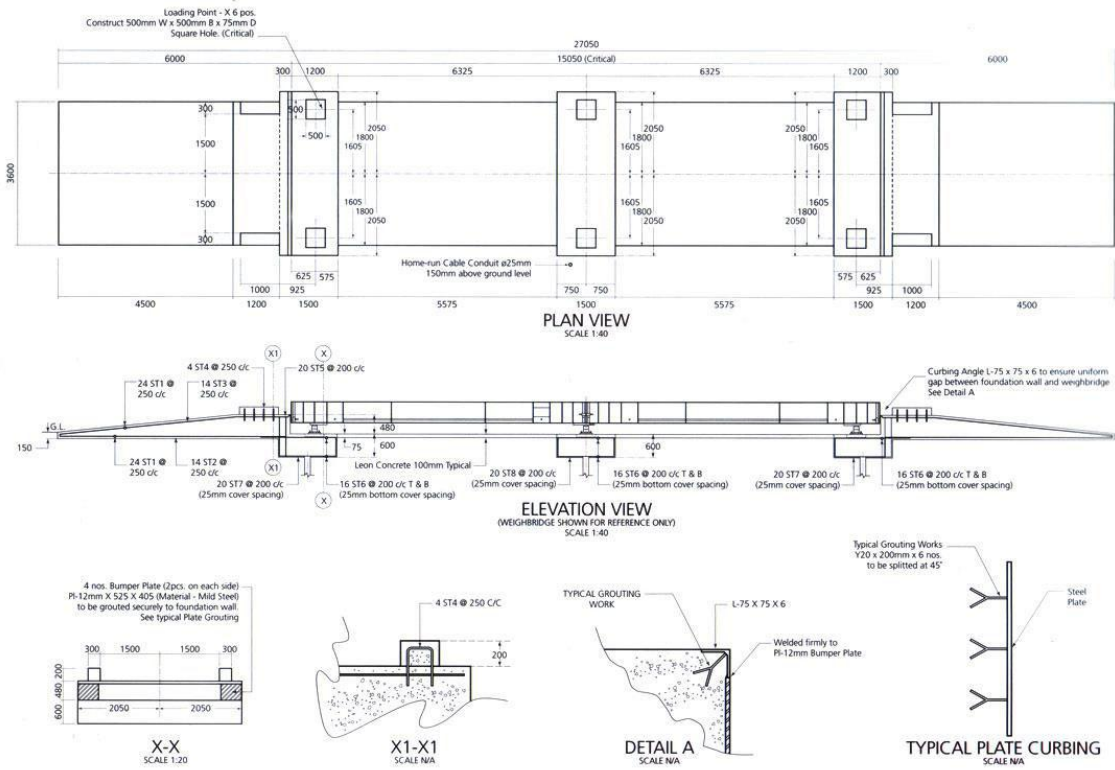
b) Passwords protection should be able to set for avoiding unauthorized access. However all type of password should be informed to Commissioner,GMC and his staff at respective locations and should not be changed from time to time without knowledge of Commissioner,GMC

REFERENCE DRAWING:-



REFERENCE DRAWING:-

Concrete Foundation Details (Model : SET - PLWB - 6015CD - PC)



(On Bidders Letter Head)

Annexure – I

To,

**The Commissioner
Guwahati Municipal Corporation
Panbazar, Guwahati**

Sub: Supply, Installation, Testing, Commissioning, Stamping and Annual Maintenance Contract of 60 MT Capacity Pit Less Type Electronic Weigh Bridge Including Civil & Electrical work hiring for Swachhta Khetra at Pashim Boragaon

I/We have submitted quotation for **Supply, Installation, Testing, Commissioning, Stamping and Annual Maintenance Contract of 60 MT Capacity Pit Less Type Electronic Weigh Bridge Including Civil & Electrical work hiring for Swachhta Khetra at Pashim Boragaon** as per terms and conditions specified by GMC. I/We hereby read all the terms and conditions for R.F.Q notice and agree to abide by the said terms and conditions. I/We furnish my/our quotation as follows-

Sl No	Particulars	Rate offered in figure and words
1	Supply, Installation, Testing, Commissioning, Stamping and Annual Maintenance Contract of 60 MT Capacity Pit Less Type Electronic Weigh Bridge Including Civil & Electrical work hiring for Swachhta Khetra at Pashim Boragaon	Rs..... (Rupees.....) only
	Comprehensive Annual Maintenance Contract (AMC) of machine for 01year from the date of end of defect liability period. Note: i)Rate quoted for AMC shall be including GST ii)Award of AMC at the end of defect liability period is at sole discretion of GMC	Rs..... (Rupees.....) only

I/We have enclosed Demand Draft No.....Date.....of

..... Bank
Branch.....(branch code) of Rs. 1,000/- (Rupees One Thousand) only as bid fee drawn in favour of the Commissioner, Guwahati Municipal Corporation, Panbazar, Guwahati-01. I/We shall execute the formal agreement with the GMC authority in case of allotment of the said work is made in favour of me/us prior to taking the work. I/We give my/our permanent residential address here under.

Vill:

P.O:

Dist:

Pin:

Mobile no:

Yours faithfully,

For and on behalf of (Name of Bidder)

Duly signed by the Authorized Signatory of the Bidder

(Name, Designation and Address of the Authorized Signatory)
