

DEENDAYAL PORT AUTHORITY

MECHANICAL ENGINEERING DEPARTMENT

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No. CME/Project Cell - CircleDivision/1540/

Date:05/12/2024

To,

EXPRESSION OF INTEREST

Subject: "Supply, installation, testing & commissioning of 03 nos. 100 MT capacity road weighbridges (pit less type) including all associated civil works and IT infrastructure for cloud-based data storage & management services along with integration of RFID, EBS & Other Platform of DPA and Comprehensive Annual Maintenance Contract for 03 Nos. of complete weighbridges & associated IT systems at Deendayal Port Premises, Kandla for the period of three (03) Years."

Sir,

Deendayal Port Authority (erstwhile Deendayal/ Kandla Port Trust), an autonomous body Under Govt. of India, Ministry of Shipping, invites expression of interest from the recognized leading agency in the field of road weighbridges.

In this context, an interested agencies are requested to kindly submit expression of interest for the subject work on the basis of the scope of work enclosed herewith. Also, an interested agency is advised to carry out the site visit & survey to acquainted himself for local site conditions, prior to offering budgetary offer along with expression of interest.

The rates quoted must be inclusive of all costs such as tools, tackles, instruments (if required), staffs & labour, transportation, other auxiliary charges for successful completion of the work and excluding GST. The GST applicable shall be shown separately, which shall not be considered for evaluation purposes.

Your Expression of interest along with budgetary offer & schedule/annexures duly signed and stamped at each page for the above work should reach this office or by email on or before 12.12.2024. The offers submitted other than requisite format will not be considered.

Thanking you.

Yours faithfully,

Sd/-

**Superintending Engineer (M)
Deendayal Port Authority**

Brief:

Deendayal Port Authority (DPA) is an autonomous body under the Ministry of Ports, Shipping & Waterways, Government of India. The Port is located in the Gulf of Kutch on the north western coast of India.

The traffic handled by Deendayal Port has shown a consistent increase over the period of time and it has been growing at a faster pace. Cargo weighment operation carried out by port owned road weighbridges and thus play vital role in day-to-day weighment operation and contribute in traffic management.

In this regard, DPA intends to install new weighbridges along with all associated facilities having latest technology inside cargo jetty no. 14 to 16 at kandla.

1. IMPORTANT NOTICE:

- 1.1 Deendayal Port Authority (DPA) is intending to install 03 nos. 100 MT capacity road weighbridges (pit less type) including all associated civil works and IT infrastructure for cloud-based data storage & management services along with integration of RFID, EBS & Other Platform of DPA and Comprehensive Annual Maintenance Contract for 03 Nos. of complete weighbridges & associated IT systems at Deendayal Port Premises, Kandla for the period of three (03) Years.” **after completion of Guarantee Period of one (01) year.** The CAMC contract shall be extendable up to 01 years on same terms & condition and mutual consent.
- 1.2 **The Contractor must be OEM of the road weighbridges and shall submit the concerned supporting documents along with EOI.**
- 1.3 **The contractor, at his own responsibility to visit and examine the site of work and its surroundings and obtain all information that may be necessary for preparing their offer and participation for the tender. The costs of visiting the site shall be at the Bidders’ own expense.**
- 1.4 All Civil works required for weighbridge foundation, ramps on both the sides of the weighbridge, weighbridge cabin (RCC) and all other civil work like foundation for boom – barrier, traffic lights, cameras, sensors etc. are in the scope of contractor. It shall be contractor’s responsibility to visit the site, examine the current condition, do its analysis and carry out necessary tests in order to design the civil foundation & structure for weighbridge requirement.
- 1.5 The contractor has to provide complete IT infrastructure for cloud-based data storage, management services (*MeitY & CERT-IN certified*) and integration with RFID, EBS & Other Platform of DPA for the weighbridges in consultation & coordination with DPA’s IT team.
- 1.6 The contractor has to provide CAMC service for the period of 3 years after completion of Guarantee Period of 1 year as per terms and conditions.

- 1.7 Contractor is required to give details of the major parameters as per Schedule-A. All the information as per Forms shall also be submitted along with the offers at Schedule-B.
- 1.8 The section describes certain broad & indicative requirement to which the contractor shall work, but this shall not absolve the contractor from his responsibility to carry out the work in proper manner and acceptable in all respects as per standard practice even if there is any omission in the prescribed scope/ specification.

2. DESCRIPTION AND SCOPE OF SUPPLY:

- 2.1 The scope of work covers supply, installation, and commissioning of 100 MT capacity static type pitless electronic road weighbridges including automated boom barriers, traffic lights, IP cameras, RFID reader, PA system, position sensors, external display etc., weighbridge cabin (RCC) and all associated civil works, complete IT infrastructure for cloud-based data storage, management services (MeitY & CERT-IN certified) and integration with RFID, EBS & Other Platform of DPA.
- 2.2 The make and model of the road weighbridge shall be approved by the Legal Metrology Department and must be capable of withstanding the most extreme environment. The complete system shall have advance technology and user friendly interface.
- 2.3 The Road weighbridges of 100 MT capacity for weighing different consignment up to 100 MT loaded in different type of trucks/lorries and shall be strong enough to take highest axle load of the trucks/trailers as per the relevant latest prevailing norms and guidelines.
- 2.4 The road weighbridges shall be static type suitable for weighing up to 100 MT as per technical specifications and major parameters as detailed in Schedule -A. The weighing system must be accurate and reliable ensuring high uptime and long useful service life.
- 2.5 The complete system should be robust and suitable to perform effectively in highly dusty environment and harsh conditions. All the equipment shall be provided with suitable enclosures.
- 2.6 The Supply, installation, testing, commissioning & stamping of road weighbridge and its associated IT system integration with RFID, EBS & Other Platform of DPA, including all associated civil works **shall be completed within 90 days from the date of handing over of respective site.**

3. GENERAL REQUIREMENTS:

3.1 PLATFORM STRUCTURE:

- 3.1.1 The weighbridges shall have robust, stronger & durable modular base welded sandwich type construction with heavy duty rigid and antiskid deck platform. Weighbridge size: Length - 18 Meters, Breadth – 3 Meters.
- 3.1.2 The weighbridge platform should be sandwich type construction consists of minimum 12 mm top chequered/antiskid plate, minimum six numbers of longitudinally run I/H beams in between main beams and sufficient transverse beams.

- 3.1.3 Rigid & strong automated boom barrier at entry and exit of the weighbridge shall be provided & fixed by the contractor. The boom barrier shall be capable to be operated automatically. Provision of manual operation by the operator from the operating cabin shall be there in case of non-working of the automatic boom barrier in order to avoid hindrance in operation.
- 3.1.4 The road weighbridge structure shall be sand/grit blasted to SA 2 ½ standard and painted with minimum two (02) coats of anti-corrosive epoxy paint, one (01) coat of intermediate and two (02) coats of epoxy finish paint. The contractor has to submit the relevant testing certificate.
- 3.1.5 The make of steel for the platform and other structures shall be of primary steel manufacturer like SAIL/TISCO/RINL/ESSAR/Arcelor Mittal/Jindal/Nippon Steel. The contractor has to submit test certificates of the materials.

3.2 LOAD CELLS:

- 3.2.1 The weighing system shall comprise of minimum eight (08) nos. of digital cup & ball/compression type stainless steel load cells of capacity 40 MT or more.
- 3.2.2 The OEM manufacturer of the weighbridges should supply the weighbridge with their own make load cells conforming to International Organization of Legal Metrology (OIML) (C3 or above)/ National Type Evaluation Program (NTEP) standard (III R or better). **Relevant documentary evidence in support of load cell being manufacture by OEM manufacturer of the weighbridges must be submitted along with the offer.**
- 3.2.3 All load cells shall be weather proof, hermetically sealed and shall be suitably protected to withstand harsh environmental conditions viz., flooding, rain water, highly dusty surrounding, extreme temperature variation to suit the local site condition.
- 3.2.4 The load cells shall have ability to withstand the impact load and in built lightning & surge protection. The load cell must be IP 68 or higher certification.
- 3.2.5 The load cells should be provided with suitable protector/guard for prevention of external impact, tampering and any damages. Also, load cells shall have proper locking mechanism to prevent its rotational & lateral movements beyond the nominal position and to avoid dislocation.
- 3.2.6 The load cells shall be provided with heavy duty armored & anti rodent integral cable of suitable length without any joint. Load cell cables shall run through heavy duty conduit pipes.

3.3 WEIGH ELECTRONICS:

- 3.3.1 The weighing electronic indicator system shall be provided with digital display in microprocessor-based unit having the following features.
1. Facility for auto calibration
 2. Auto balance
 3. Diagnostic load cell connectors.
 4. Weight display
 5. Weight indicator
 6. Input, output interface
 7. Automatic fault diagnosis
 8. Multiple report option
 9. High end protection against lightening & surge
 10. Net Weight printing word
 11. Customization for plain or preprinted weighment slip formats as per requirement
- 3.3.2 **External LED Display:** LED display showing character size of minimum 4" shall be weather proof & capable of showing high visibility scale weight reading at considerable distance.
- 3.3.3 **Entry & Exit Traffic Lights:** Weighbridge shall be provided with entry and exit traffic lights suitable for extreme weather condition to control and direct the vehicle movements.
- 3.3.4 **Vehicle Positioning Sensors:** Weighbridge shall be provided with adequate robust vehicle positioning sensors to ensure that the vehicle is positioned correctly on the weighbridge for smooth weighing operation.
- 3.3.5 **Public Address (PA) System:** PA system with related equipment's shall be provided for passing the instruction for the smooth operation of the weighbridge.
- 3.3.6 **IP Cameras:** Weighbridges shall be provided with minimum 02 nos. weather proof night vision surveillance cameras (outside operator's cabin) for covering the surrounding & functioning of weighbridge and minimum 01 no. weather proof night vision surveillance camera (inside operator's cabin) along with associated equipment's like NVR, POE Switch, NVR rack etc. The system should be capable of keeping back up for minimum 30 days' time period and allows remote accessing cameras footage.
- 3.3.7 **RFID Reader:** Weighbridge shall be provided with suitable no. of RFID reader compatible with existing RFID system of DPA and other required related equipment & system. The contractor has to carry out survey regarding existing RFID system infrastructure in consultation with DPA's IT team and to install the RFID system in the new weighbridges with an aim to fulfil the DPA's requirement for smooth functioning of the complete weighing system.
- 3.3.8 **Backfill Earthing:** Erection of minimum 2 (two) nos. of maintenance free earthing as per Indian Standard and relevant norms. (One for Weighing System Equipment's & Weighbridge Room, one for weighing platform).
- 3.3.9 In case breakdown of any weighbridges, Data transfer from one weighbridge to other shall be possible, so that tare weight taken form one weighbridge shall continue to complete the weighing operation from the other weighbridge.

3.4 IT SYSTEM FOR WEIGHBRIDGE:

- 3.4.1 The contractor has to provide infrastructure for data management and integration of the weighbridges system with cloud based data storage & management and IT system (**MeitY & CERT-IN certified**) for integration of existing RFID, EBS & Other platform of DPA to ensure consistent, secure, and efficient data management, automatic identification & data capture, tracking of vehicles. It must also provide authorized access to this data as required for auditing, reporting, and legal compliance. The system must have robust reporting and auditing capabilities to track and monitor the data, usage, and access, in accordance with GoI regulations. API (Application Programming Interface) shall be in the scope of contractor. (Cloud Service provider must be MeitY empaneled).
- 3.4.2 **Internet connectivity for operation of weighbridge program, camera and Cloud Based system will be in the scope of contractor.** The contractor has to ensure and maintained high speed internet in all 03 nos. of weighbridges for the smooth functioning.
- 3.4.3 The IT system should adhere to all relevant standards, certifications, and regulations in accordance with guidelines & norms of GoI.
- 3.4.4 All IT system should be dust and water proof to suit the local environment.
- 3.4.5 Validity of licensed software shall be up to full life span of the weighbridge i.e., up to 10 years.
- 3.4.6 It will be contractor's responsibility for providing ongoing support, maintenance, and updates for the Weight Bridge data management system to ensure its continued functionality and security. This support should cover hardware, software, and security updates etc.
- 3.4.7 **Contractor shall be responsible at his own risk & cost for renewal of certificate, statutory compliances throughout the guarantee period, CAMC period and extension of CAMC period (if any).**
- 3.4.8 Contractor has to provide multiple authorization with separate log in credentials for DPA Officials. Log file (read only) for each log in id with time & date shall be generated.
- 3.4.9 The contractor should ensure the weighbridge data should be synchronized effectively with existing RFID system of DPA and cloud system without any interruption. Contractor shall be responsible for managing the complete system effectively to avoid any traffic congestion in weighbridges, port gates and port premises.

3.5 ACCESSORIES:

- 3.5.1 Suitable UPS with tubular batteries compatible for providing 12 hrs. power backup is in the scope of the contractor. Further, in case UPS doesn't work, contractor has to arrange any other means for providing power back up to 12 hours for ensuring uninterrupted weighing system.
- 3.5.2 Industrial grade PC with License Software for operation, report generation and data management, performing other relevant task.
- 3.5.3 Compatible printer along with ink/cartridges, keyboard, mouse etc.

3.5.4 Any other accessories which are essential for proper functioning & commissioning of weighbridge system complete in all respect.

3.6 CIVIL WORK:

3.6.1 All Civil works required for weighbridge foundation, ramps on both the sides of the weighbridge, weighbridge cabin (RCC) and all other civil work like foundation for boom –barrier, traffic lights, cameras, sensors etc. are in the scope of contractor. It shall be contractor’s responsibility to visit the site, examine the current condition, do its analysis and carry out necessary tests in order to design the civil foundation & structure for weighbridge requirement.

3.6.2 **The contractor has to design all civil infrastructure as per local site condition and the requirement of earthquake zone-5 norms.**

3.6.3 **Contractor has to submit detail design and drawings regarding weighbridge foundation, ramps, operating cabin (RCC), foundation for boom –barrier, traffic lights, cameras, sensors etc. and stage wise work schedule for carry out the civil work in consultation & coordination with DPA’s Civil Department.**

3.6.4 **Tentative specification for Civil work are as below:**

A. Weighbridge Platform Approach Ramp:

The clear clearance between the bottom of weighing platform and ground should be minimum 0.50 meter above the ground level for facilitating easy cleaning/maintenance. The approach pavement (ramp) to platform shall be developed with cement concrete on both side of the platform. Each ramp shall be minimum 12-meter long.

B. Weighbridge Room:

RCC WEIGHBRIDGE ROOM SPECIFICATION (Tentative Only)		
Sr. No.	Description	Qty.(Nos.)
1.	Room having inside dimensions 12ft X 12ft X 12ft	1 No.
2.	Door	1 No.
3.	Windows with outer M.S. Grill with aluminium sliding panel fitted with toughened glass	2 Nos.
4	Power panel for incoming electrical power and distribution	01 No. with suitable no. of MCBs, ELCBs, Safety devise, Digital Energy Meter etc.
5.	Indoor electrical switch boards	Minimum 3 Nos. with suitable no. of sockets, switches, power socket for Air Conditioner etc.

6.	Outdoor electrical switch boards (weather proof)	2 Nos. with suitable no. of sockets, switches, heavy duty power socket for welding machine etc.
7.	Fan	01 No.
8.	LED Tube lights	03 Nos.
9.	Heavy duty outdoor flood lights	04 Nos.
10.	Backfill Earthing	1 No. for weighbridge room & weighing equipment. 1 No. lightening arrestor on the top of weighbridge room.

3.6.5 All the material like TMT Bars (As per relevant Indian Standard), Cement, Sand, Course Aggregate etc. as per the highest standards.

3.6.6 The section describes certain broad & indicative requirement to which the contractor shall work, but this shall not absolve the contractor from his responsibility to carry out the work in proper manner and acceptable in all respects as per standard practice even if there is any omission in the prescribed scope/ specification.

4. CALIBRATION, STAMPING AND CERTIFICATION OF THE WEIGHBRIDGES:

4.1 The contractor shall responsible for calibration, testing & certification of the weighbridges during commissioning and subsequent annual certification and as & when required. The certification shall have to be got done from Weight and Measurement Department. The contractor has to deal & liasioning with Weight and Measurement Department. All cost of the same has to be borne by the contractor.

4.2 The contractor shall have **valid Contractor's License** obtained from **Legal Metrology Department** for carrying out the **nature of work involved in this tender**. Contractor shall submit certificate time to time during the Contract period.

4.3 The contractor is required to obtain and submit certificate of approval from Department of legal metrology, regarding the calibration and testing of the weighbridges. The stamping fee and any other statutory levy applicable shall be borne by the contract.

4.4. Whenever the weigh bridges come under the control of the Weights & Measures authority, the contractor shall attend the weight and measures authority and during contract period the verification and stamping of the weigh bridges shall be carried out by the contractor at his cost. Any other incidental charges including penalty if any shall be in Contractor's scope.

4.5 Each Weighbridge should be Calibrated with the Standard Weight initially at the time of commissioning and thereafter, calibration shall be done with required standard weight in accordance with guidelines & norms of Legal Metrology Department. The required Test weights for stamping or any other purpose shall be arranged by Contractor. Material handling arrangements like- loading, transportation and unloading etc. at site shall be made by the Contractor at his cost.

- 4.6 The Contractor shall at all times during the continuance of the contract comply fully with all existing Acts, Regulations and bye laws including all statutory amendments, re-enactment of State or Central Government -other local authorities and any other Enactments-Acts that may be passed in future either by the State or the Central Government or local authority.
- 4.7 The weighbridge should have very good repeatability, accuracy, stability and speed. The corner variation should not be more than defined range.

5. DOCUMENTATION REQUIREMENT:

- 5.1 **Technical Details:** The Contractor has to provide the Technical Details & literature of the weighbridges structure, load cells, IT kit, junction box, cable, PC, Printer, earthing, UPS, Software & hardware details, RFID and etc. of the installed equipment's.
- 5.2 **Operator's manual:** Instructions for operating the system for the purpose of weighing and printing should be clearly laid down in an operator's instruction manual. It should contain complete information on using the software; auto calibration and zero balance, carrying out diagnostic tests and system set up before start of weighing.
- 5.3 **Maintenance manual:** It shall contain detailed description of the system and its functioning. The manual shall also contain drawing and circuit diagrams with component layout, wiring diagram & component labelled, list of parts with part number of the assembly and part number of the original manufacturer and its address, and diagnostics and fault finding with check points and parameters to be measured and their value.

6. TRAINING:

- 6.1 The contractor shall give adequate training to the persons nominated by DPA without any additional cost to DPA.

7. COMPREHENSIVE MAINTENANCE CONTRACT:

- 7.1 The contractor is required to carry out the comprehensive annual maintenance contract for the road weighbridges & its complete associated system supplied against this contract, which will be inclusive of all load cell, IT kit, Junction Box, Printed Circuit Board, Computer, Printer, UPS, Batteries, Cameras, Boom barrier mechanisms, Steel Structures such as Plates, beams etc., spares, material, Software/Hardware, Integration of RFID, Cloud System, consumable and labor costs etc., daily routine, preventive, scheduled, breakdown maintenance, major repairs, daily cleaning and etc. The items like fan, tube lights, flood lights, electrical switches, sockets are not covered under CAMC after guarantee period of 1 year.
- 7.2 Rates for CAMC shall be quoted by the contractor on annual basis as given in Part-B of Schedule-B which will remain applicable during the 3 years' duration.
- 7.3 DPA reserves the right to withdraw any Weighbridge from the contract permanently or for the specific period due for any reason whatsoever, in such case the payment of CAMC charges for the particular withdrawn weighbridge will be stopped from the date so declared by the DPA.
- 7.4 Electricity and land (storage purpose) for execution of the work at site shall be provided on payment of applicable tariff of the employer subject to availability. Water for the

execution of the work will be in the scope of the contractor. However, written permission has to be taken well in advance from the concerned department/division so as not to affect the work. If DPA is unable to provide electricity the same will be arranged by the contractor at his own cost. Necessary electricity meter should be installed by the contractor at its own cost. If DPA is unable to provide electricity and water the same will be arranged by the contractor at his own cost

- 7.5 During the guarantee period & CAMC period, supplied weighbridges will be attended to by trained and experience technical staff under expert supervision and quality control as per minimum recommended manning as mentioned at Clause No.7.11.
- 7.6 Regular preventive maintenance and breakdown repair & maintenance shall be done in such way that operational activities affected to minimal.
- 7.7 After completion of the repairs, the Contractor's personnel will give in writing that the rectification has been done and the weighbridge is fit to be used normally. It may be noted that in such a case, the time period from the occurrence of the breakdown to commissioning of the weighbridge shall be logged as a breakdown period of the Weighbridge. A log of all such breakdowns and their period shall be maintained.
- 7.8 The Contractor shall be responsible for total cleaning of weighing system including weighing platform & underneath in all-weather condition. Contractor have to make necessary arrangement for removing the accumulated water under the weighing platform.
- 7.9 The contractor shall have to keep sufficient stock of spares/consumables at site, so timely measures can be taken to minimize the unavailability of the weighbridges. Printing Paper required for printing the weighbridges slips (if required) will be not be in the scope of bidder and the same shall be arranged by the traffic department of DPA.
- 7.10 In all cases of weighbridge failure any other spare part or material necessary to restore the weighbridge to proper working order will be arranged by the contractor as a part of CAMC.

7.11 Minimum Recommended Manning:

The profile of staff shall be as under, and shall be strictly followed by the contractor. The Staff to Be Posted at Site, DPA, Kandla (For Entire Weighbridges):

Sr.No.	Designation	Qualification	Qty. / Duty Hours	Remarks
1	Supervisor	Diploma (Mechanical/ Electrical/IT)	01 No. / General Duty	Must have good experience in the field of weighbridges maintenance. He shall fully responsible for the overall maintenance activities of Weighbridges. He has to submit all the maintenance schedule, maintenance report to E.I.C or his representative as per the requirement of DPA.

2	Technician	ITI (Electrician/ Electronics/ IT)	Minimum 01 No. / General Duty	Must be skilled Technician having good experience and competency in the field of weighbridges & its associated IT system maintenance.
3	Welder cum Fitter	ITI (Welder)	Minimum 01 No. / General Duty	Must be skilled having good experience and competency in the field of weighbridges maintenance.
4	Helpers	Desirable- Minimum 7 th pass	Minimum 02 Nos. / General Duty	Must be skilled/semiskilled having good experience in the field of weighbridges maintenance.
5	Additional Staff			The Contractor shall engage any additional staff, skilled/unskilled workers required for maintenance as and when required to fulfil the work. No extra payment in this regard will be applicable

Note:

Though the working hours of the staff is 09:00hrs to 17:00 hrs. Or may be modified as per requirement but in case of emergency, they will be required to attend the work beyond these hours without any implication to DPA.

The above staff shows the minimum requirement to be posted for maintenance work, at Kandla. However, the contractor may deploy additional staff on his discretion to fulfil the obligation as per scope of work for carrying out day-to-day maintenance work at his own cost.

- 7.12 During the period covered under Guarantee and CAMC, the firm will also be required to attend and to make weighbridges in functional, for any deficiencies / damages arising out of pilferage of equipment or material or any damage / defect attributable to Port Users/Damager. However, in such cases the cost of such repairs will be bears by the Port Users/Damager, which will be decided as per the prevailing guidelines/practice in DPA. There should not be any delay on the part of the firm in such cases on grounds that the charges for repairs are to be decided.
- 7.13 In case of a dispute on the responsibility for the loss/damage/deficiency/pilferage of equipment's/materials referred to in above para, the matter will be referred to and decided as per prevailing guidelines/practice in DPA and decision on the attribution of responsibility will be final.

- 7.14 The staffs should have a sober behavior and obedient. Any staff coming in intoxicated condition will not be accepted by the administration.
- 7.15 The contractor will attend to the complaints and breakdowns promptly as and when required Round the Clock (24 X 7).
- 7.16 Contractor has to arrange renewal of gate pass of his manpower deployed at site and gate pass for his material movement. Also, all transportation of the engaged manpower, material/spare for execution of CAMC shall be provided by the contractor at his own cost.
- 7.17 DPA reserves the right to ask the Contractor to remove particular person(s) from site with immediate effect if his behavior/performance is not up to the mark and/or found indulging in unlawful activities; Contractor shall immediately comply with such instructions and fill the vacant position as required. If contractor and his staff found doing illegal activity, legal action will be taken.
- 7.18 The Contractor shall be directly responsible for any/all disputes arising between him and his personnel and keep indemnified against all losses, damage and claims arising thereof.
- 7.19 Contractor shall be fully responsible for theft, burglary, fire or any mischievous deeds by his staff and any loss to DPA shall be recovered from the Contractor. The watch and ward will be under contractor's scope.
- 7.20 All the tools, tackles, Lifting-Cleaning Equipment's/Instruments/Utility Vehicle or any other kind of equipment's required to carry out the repair & maintenance under scope of work shall be the responsibility of contractor.
- 7.21 The contractor shall be responsible for carrying out all the repair and maintenance work by following safe workmanship such as using proper safety gear i.e. PPE, by using correct tools and tackle i.e. lifting gear etc.
- 7.22 Any damage caused to the property and/or machinery (including its any part) of DPA, directly and/or indirectly incidental to and connected with the execution of the work. In such case the loss shall be assessed by DPA and Contractor shall be liable to indemnify the value of such damaged property and/or machinery.
- 7.23 The job site should be cleaned & maintained properly on completion of job. The contractor shall be responsible for removing all the unwanted material/debris/scarp regularly from the site on his risk and cost.
- 7.24 Record Registers:
The contractor has to maintain the following records in soft and hard copy at his own cost, to submit on regular Interval Time as decided by DPA in the format approved by DPA:
1. Daily maintenance activity register as per maintenance schedule.
 2. History book for each weighbridge wherein all the relevant details i.e. work, spare consumed etc. to be recorded regularly.
 3. Commission/ non-commission Report.
 4. Material Stock Register.
- 7.25 All required register/detail is to be strictly maintained by CAMC Contractor during Guarantee period and CAMC period as the Contract Labour (Regulation & Abolition) Central Rules, 1971 such as:
1. Muster Roll Register.

2. Register of Wages.
3. Register of advance pay.
4. Register of accident
5. Profile Register.
6. Any other Register/Record as per applicable rules & regulation.

8. DEFECTS IN WORK DONE:

- 8.1 If at any time, EIC or his authorized representative decides that any work done by Contractor is defective or not in accordance with Contract, or that the Work or portion thereof are defective or do not fulfill the requirement of Contract, as soon as reasonably applicable, gives to the Contractor notice in writing of the said decision, specifying particulars of the defects alleged to exist or to have occurred, the Contractor shall at his own expenses and with all speed make good the defects. If the Contractor fails to make good such defects with reasonable speed, DPA shall arrange to carry out repairs to such defects/damages by itself / through another party and the expenses so incurred by DPA shall be recovered from the Contractor.
- 8.2 The Deendayal Port Authority reserves the right to foreclose/terminate the contract, if the work is not found satisfactory by issuing one-month notice with forfeiture of the CAMC security deposit/ BG.

9. THE MAJOR REPAIR/OVERHAULING AND COMPLETE PAINTING:

- 9.1 The Major Repair/Overhauling and Complete Painting will have to be carried out by the contractor in each year of CAMC period within the period of 10 (Ten) days for each weighbridge in phased manner with proper advance planning in consultation with the Engineer in Charge to avoid hampering of Weighment work. No penalty will be deducted on this account, if work carried out within specified period as mentioned above.
- 9.2 If the Major Repair/Overhauling and Complete Painting is not completed within 10 days, the contractor will have to pay **penalty Rs.5000 per day.**

10. PENALTY:

The penalty shall be imposed as detailed below:

A)PENALTY FOR SITC PERIOD (PART-A OF SCHEDULE-B):

- 10.1 In case of delay in completion of the contract, liquidated damages (LD) may be levied at the rate of 1/2% of the entire contract value per week of delay or part thereof, subject to maximum of 10% of the entire contract price.
- 10.2 The employer, if satisfied that the works can be completed by the Agency within a reasonable time after the specified time for completion may allow further extension of time at its discretion with or without the levy of LD. In the event of extension of time at its discretion with LD the employer will be entitled without prejudice to any other right or remedy available in that behalf per cent (1/2%) of the contract value of the works for each week or part of the week subject to the ceiling of 10% of contract value.

- 10.3 The employer, if not satisfied that the works can be completed by the contract, and in the event of failure on the part of the Agency to complete work within further extension of time allowed as aforesaid shall be entitled without prejudice to any other right or remedy available in that behalf to rescind the contract.
- 10.4 The employer, if not satisfied with the progress of the contract and in the event of failure of the Agency to recoup the delays in the mutually agreed time frame, shall be entitled to terminate the contract.
- 10.5 In the event of such termination of the contract as described in clauses (10.3) or (10.4) or both, the employer shall be entitled to recover LD up to ten percent (10%) of the contract value and forfeit the security deposit made by the contract besides getting the work completed by other means at the risk and cost of the contractor.
- 10.6 In case part / portion of the work can be commissioned and port operates the portion for commercial purpose, the rate of LD will be restricted to the uncompleted value of work, the maximum LD being on the entire contract value.

B)PENALTY FOR GUARANTEE & CAMC PERIOD (PART-B OF SCHEDULE-B):

- 10.7 Guarantee period: During, Guarantee period contractor shall be allowed 48 Hours per month per weighbridge for carrying out any maintenance without levy of penalty. If any weighbridges remain unavailable for more than allowed 48 Hours in a month as mentioned, a penalty @ 0.05% of quoted rate for 1st year of CAMC will be levied for per Hour per weighbridge remains non-operational for any reason whatsoever. The penalty amount will be deducted from the bill of CAMC. There is no ceiling for the penalty amount levied for the CAMC period & Guarantee period
- 10.8 CAMC Period: It is expected that the weighbridges will be operated round the clock. Contractor shall be allowed 48 Hours per month per weighbridge for carrying out any maintenance without levy of penalty during the CAMC period. If any weighbridges remain unavailable for more than allowed 48 Hours in a month as mentioned above, a penalty @ 0.05% of quoted rate for CAMC (Mentioned at Schedule –B, Part-B, Column-E) of the respective year will be levied for per Hour per weighbridge remains non-operational for any reason whatsoever.

For illustration:

PART -B						
Sr. No.	Description	Unit	Qty.	Rate per year per Weighbridge (Rs.)	per	Amount (Rs.)
(A)	(B)	(C)	(D)	(E)		(F)
4	Comprehensive Annual Maintenance contract after 01 year warranty period of the 05 Nos. weighbridges and complete system at Deendayal Port Premises, Kandla including govt. stamping charges, all spares and labour as mentioned in Scope of Work excluding GST.					

(i)	Guarantee Period for one year for all complete system after commissioning of the weighbridges and its associated system.				
(ii)	CAMC charges for 1 st year after warranty period	03	Nos.	600000	3000000
(iii)	CAMC charges for 2 nd year after warranty period	03	Nos.	700000	3500000
(iv)	CAMC charges for 3 rd year after warranty period	03	Nos.	800000	4000000

i.e. if weighbridge is unavailable more than allowed 48 Hours in a month than penalty amount will be considered as,

Penalty amount per hour= 0.05% of quoted amount at Column-E of Part-B of Schedule-B of respective year of CAMC

Penalty amount per hour for 1st year= 0.05% of quoted amount at Column-E of Part-B of Schedule-B of 1st year CAMC i.e. Rs.600000 = Rs.300/-

Penalty amount per hour for 2nd year= 0.05% of quoted amount at Column-E of Part-B of Schedule-B of 2nd year CAMC i.e. Rs.700000 = Rs.350/-

Penalty amount per hour for 3rd year= 0.05% of quoted amount at Column-E of Part-B of Schedule-B of 3rd year CAMC i.e. Rs.800000 = Rs.400/-

10.9 The Major Repair/Overhauling and Complete Painting during the CAMC period will have to be carried out by the contractor every year within the period of 10 (Ten) days for each weighbridge in phased manner with proper advance planning in consultation with the Engineer in Charge to avoid hampering of Weighment work. No penalty will be deducted on this account, if work carried out within specified period as mentioned above. If the Major Repair/Overhauling and Complete Painting is not completed within 10 days, the contractor will have to pay penalty Rs.5000 per day.

10.10 In case of unavailability of the manpower mentioned at clause no. 7.11, during the Guarantee & CAMC Period, following penalty shall be deducted:

- (i) Penalty of Rs.1500 per day for Sr. No. 1 of clause no. 7.11.
- (ii) Penalty of Rs.800 per day per person for Sr. No.2 of clause no. 7.11.
- (iii) Penalty of Rs.800 per day for Sr. No. 3 of clause no. 7.11.
- (iv) Penalty of Rs.500 per day for Sr. No. 4 of clause no. 7.11.

11. PERFORMANCE SECURITY:

11.1 Security deposit (SD) shall consist of two parts; a) Performance Guarantee to be submitted after issue of contract, and b) Retention money to be recovered from Running Bills.

11.2 Security deposit shall be 10% of the entire contract price, of which 5% of contract price must be submitted within 15 days of award of contract and balance 5% to be recovered

- as Retention Money from Running Bills. Recovery of 5% Retention Money to commence from the First RA Bill onwards @ 5% of the Bill Value from each Bill. Retention Money will be refunded within 14 days from the date of payment of final bill of 3rd year CAMC i.e. final bill of the entire contract period. Balance SD will be refunded within 14 days from completion of defect Liability period i.e., 6 months from completion date of CAMC period.
- 11.3 Performance Security shall be valid for 2 months beyond the date of completion of all contractual obligations, will be obtained from the successful Bidder, for ensuring due performance of the contract. In case of any extension of contract obligation period, the bidder shall be liable to suitably extend the validity of the Performance Security.
- 11.4 Successful Bidder has to submit the Performance security @ 5% of entire Contract price within 15 days after issue of Contract, failing which the contract will be cancelled and the Bid Security i.e., EMD will be forfeited.
- 11.5 The Port Authority will also be at liberty to deduct from performance guarantee or from any sums of money due or that may become due under any contract with the contractor that may become due to the employer. This is without prejudice to the rights of the employer under the terms of the contract.
- 11.6 Failure of the Successful Bidder to comply with the requirements as mentioned above shall constitute sufficient grounds for cancellation of the award of contract and forfeiture of bid security i.e. EMD.
- 11.7 The Port Authority may at their option forfeit the Performance Guarantee cum Security Deposit if the contractor fails to carry out the work or perform or observe the conditions of contract.
- 11.8 In case of submission of fraudulent documents with regard to Performance Security by the Bidder shall be treated as major violation of the Tender procedure and in such cases, Black listing the contractor for the next three years.
- 11.9 The Performance Guarantee cum Security Deposit will be released as mentioned above.
- 11.10 If applicable, the documentary evidence (copy of paid Challan in Govt. Treasury) of Welfare cess @1% of work done or as amended by Statutory Authority from time to time, paid on final bill shall be submitted before releasing the Performance Guarantee.

12. PAYMENT:

- 12.1 All payments shall be made in Indian rupees unless specifically mentioned.
- 12.2 No Advance payment will be made.
- 12.3 The rates quoted shall be inclusive of cost of materials, packing forwarding, insurances and transportation, except GST under Goods & Service Tax Act, 2017, up to the site. All payments shall be made in Indian rupees unless specifically mentioned. The payment shall be made through RTGS /NEFT; the successful bidder shall furnish all the details required by DPA.

(a) Schedule of payments for Part-A of Schedule-B:

- i. For sr.no.1 & 3 of Part-A of Schedule-B, 40% payment of particular weighbridge shall be released after receipt of complete supplied items and duly certification from TPIA.
- ii. For sr.no.2 of Part-A of Schedule-B, 60% payment of particular weighbridge shall be released after completion of all associated civil works and duly certification from TPIA.
- iii. For sr.no.1 & 3 of Part-A of Schedule-B, 50% payment of particular weighbridge shall be released after completion of complete work and duly certification from TPIA.
- iv. Balance 10% payment of Sr.No.1& 3 and 40% of Sr. No. 2 of Part-A of Schedule – B shall be released after complete commissioning of the 03 nos. of weighbridge system, stamping, submission of as built drawing along with manuals and duly certification from TPIA.

(b) Schedule of payments for Part-B of Schedule-B:

- i. For items of Part-B of Schedule – B, the payment shall be released on the monthly basis.
- 12.4 Payments to the Agency would be strictly on certification by the office that his services were satisfactory as per the requirements of the subject tender and certification by Third Party.
- 12.5 Stage and monthly payment will be released for the work after deduction of taxes after satisfactory completion of work. Any delay in this regard will not attract any interest payable by DPA.
- 12.6 The Service Provider should submit the bill every month along with the details of payment to the engaged staffs viz., Name of the employee, Gross Salary, lawful Deductions, Net amount credited into bank, name of the Bank and date on which the amount was credited into the bank. The Service Provider must certify that the payment to the employees provided by him have to be credited to concerned individual bank account.
- 12.7 The Engineer-in-charge will be entitled to deduct or adjust any sum of money payable by the Agency to the Board under the terms of any contract executed by him or on behalf from their security deposit or from any sum that may become due from the present contract.
- 12.8 Payment shall be made on monthly basis through RTGS against submission of bills in triplicate during the contract. Income tax and surcharge and any statutory deduction thereon at applicable rates shall be made at source.
- 12.9 The contractor shall note that no interest be payable by the Employer for any Delayed Payments unless otherwise stipulated in tender.
- 12.10 If applicable, the payment from 2nd bill to pre-final bill, shall be released, subject to the condition that the documentary evidence (copy of paid Challan in Govt. Treasury) of the Welfare Cess @1% of work done or as amended by Statutory Authority from time to time, paid to concerned authority is submitted for the previous bill.

Schedule-A

MAJOR PARAMETER OF ROAD WEIGHBRIDGES

1	Weighbridge Model	Model must be approved for Class III under Legal Metrology Act 2011 or latest.
2	Manufacturer/Make	The OEM manufacturer of the weighbridges should supply the weighbridge with their own make load cells conforming to International Organization of Legal Metrology (OIML) (C3 or above)/ National Type Evaluation Program (NTEP) standard (III R or better).
3	Gross Capacity	100 MT
4	Platform Structure	Size: 18 M X 3 M with automated boom barriers Steel Manufacturer: SAIL/TISCO/RINL/ESSAR/Arcelor Mittal/Jindal/ Nippon Steel. The road weighbridge structure shall be sand/grit blasted to SA 2 ½ standard and painted with minimum two (02) coats of anti-corrosive epoxy paint, one (01) coat of intermediate and two (02) coats of epoxy finish paint. The contractor has to submit the relevant testing certificate.
5	Least Count	10 Kgs.
6	IT KIT	Fully dust proof, IP68 rated or higher with weather proof housing
7	Load Cell	Nos.: 08 Nos. as per OIML (C-3 and above)/ National Type Evaluation Program (NTEP) standard (III R or better) certificate of conformance. The OEM manufacturer of the weighbridges should supply the weighbridge with their own make load cells conforming to International Organization of Legal Metrology (OIML) (C3 or above)/ National Type Evaluation Program (NTEP) standard (III R or better). Relevant documentary evidence in support of load cell being manufacture by OEM manufacturer of the weighbridges must be submitted along with the offer. Type: Digital, Compression/Cup & Ball, built-in surge & lightning protection. Capacity: 40 MT or More MoC :100% stainless construction having IP 68 or higher certification. Cable: Robust, Anti-Rodent, Armoured
8	Computer & Printer	Computer: Industrial Grade with licensed software, with encloser, minimum IP68 class. Printer: minimum IP68 class.
9	UPS with Battery	Heavy duty online UPS with Batteries for back up of minimum 12 Hours.(Whole system including printer can be operate on UPS – Battery during No power supply).
10	Cloud based data storage, management &	Secure, MeitY Certified & CERT-IN certified system for data storage & management for integration with existing RFID, EBS & other platform of DPA.(Cloud Service provider must be MeitY empaneled)

	integration with existing RFID, EBS & other platform of DPA.	
11	Internet Connectivity	For the smooth functioning of the complete weighbridges system higher speed internet connectivity will be in scope of the contractor.
Note: Contractor has to submit all the relevant certificate, technical literature etc.		

Schedule-B

Sub: "Supply, installation, testing & commissioning of 03 nos. 100 MT capacity road weighbridges (pit less type) including all associated civil works and IT infrastructure for cloud-based data storage & management services along with integration of RFID, EBS & Other Platform of DPA and Comprehensive Annual Maintenance Contract for 03 Nos. of complete weighbridges & associated IT systems at Deendayal Port Premises, Kandla for the period of three (03) Years."

Sr. No.	Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)	Prevailing GST Rate (%)
(A)	(B)	(C)	(D)	(E)	(F)	(G)
<u>PART -A</u>						
1	Supply, installation, commissioning & verification stamping of 100 MT electronic static road weighbridges (pit less type) along with PC, associated hardware & software, printer, UPS & battery complete in all respect as per scope of work.	03	Set			
2	All Civil works required for complete weighbridge installation including weighbridge platform foundation, ramps on both the sides of the weighbridge, foundation for boom -barrier, weighbridge cabin (RCC) etc. and all other works as per scope of work for complete functioning of the weighbridges.	03	Set			
3	Supply, installation, testing & commissioning of all associated equipment's, CCTV cameras, compatible software (licensed), IT accessories & required internet service for cloud based data storage & management system (MeitY & CERT-IN certified) for integration with existing RFID, EBS & other platform including certification, license & statutory fees. (Cloud Service provider must be MeitY empaneled)	03	Set			
<u>PART -B</u>						
Sr. No.	Description	Unit	Qty.	Rate per year per Weighbridge (Rs.)	Amount (Rs.)	Prevailing GST Rate (%)

(A)	(B)	(C)	(D)	(E)	(F)	(G)
4	Comprehensive Annual Maintenance contract after 01 year guarantee period of the 03 Nos. road weighbridges and complete system at Deendayal Port Premises, Kandla including govt. stamping charges, all spares and labour as mentioned in Scope of Work.					
(i)	Guarantee Period for one year for all complete system after commissioning of the weighbridges and its associated system.					
(ii)	CAMC charges for 1 st year after warranty period	03	Nos.			
(iii)	CAMC charges for 2 nd year after warranty period	03	Nos.			
(iv)	CAMC charges for 3 rd year after warranty period	03	Nos.			
Total Amount (Rs.) :						

Total Amount in Words (excluding GST)

(Rupees _____ Only
)

Note:

1. The rates to be quoted shall be inclusive of all charges, taxes, Cess, Duty etc. except GST, if any.
2. Contractor has to visit the site for ascertain site condition and complete understanding of the scope of work and actual quantification of the proposed work and quantum of the work.
3. The OEM manufacturer of the weighbridges should supply the weighbridge with their own make load cells conforming to International Organization of Legal Metrology (OIML) (C3 or above)/ National Type Evaluation Program (NTEP) standard (III R or better). **Relevant documentary evidence in support of load cell being manufacture by OEM manufacturer of the weighbridges must be submitted along with the offer.**

**Signature & Seal
of Contractor**

Sd/-
**Superintending Engineer (M)
Deendayal Port Authority**

Form – A

LETTER OF TRANSMITTAL

(To be typed in Firm's Letterhead)

To

The Superintending Engineer (M)
CME Liaison office, A.O. Building,
First Floor, Gandhidham
Deendayal Port Authority,
Kutch, Gujarat – 370201.

Sub: (..... Name of the Work.....)

Sir,

Having examined the details given in EOI Notice and EOI document for the above project, I/we hereby submit our Expression of Interest and the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed form and accompanying statements are true and correct.
2. I/We have furnished all information and details necessary for EOI and have no further pertinent information to supply.
3. I/We also authorize Deendayal Port Authority or their authorized representatives to approach individuals, employers and firms to verify our competence and general reputation.
4. I/We submit the following certificates in support of our suitability and capability for having successfully provided the services along with prescribed format.
5. We understand that DPA will be at liberty to finalize requirements and issue public tenders for the work.
6. We have visited the site and understood the complete scope of work.

Signature of Applicant

Enclosures:

Seal of applicant:

Date of submission:

Form - B

Name of firms/Applicants

(Organizational Structure)

1	Name & Address of the applicant with Telephone No./Fax No	
2	a) Year of Establishment	
	b) Date & Year of commencement	
	c) Legal status of the applicant (attach copies of original document defining the legal status)	
3	a) A proprietary firm	
	b) A firm in partnership	
	c) A limited company or Corporation/ Joint venture / Consortia	
	d) State owned	
4	Any other information considered necessary but not included above	
5	PAN Number	
6	GST Registration Number	
7	Provident Fund Certificate Number	

Signature with Seal

Form - C

Details of past experience in the Last Five (5) Years

Sl. No.	Name of Work	Name of Client	Estimated cost in Rs.	Date of Completion
1				
2				
3				
4				
5				

Past experience include “Supply, installation, testing & commissioning of 100 MT capacity road weighbridges (pit less type) including all associated civil works and IT infrastructure for cloud-based data storage & management services along with integration of RFID, EBS & Other Platform with/without Annual Maintenance Contract or Comprehensive Annual Maintenance Contract.

Signature with Seal