

DEENDAYAL PORT AUTHORITY

MECHANICAL ENGINEERING DEPARTMENT

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No.CME/Project Cell - Circle Division/1540

Date:29/01/2025

To,

EXPRESSION OF INTEREST

Subject: "Supply, installation, testing & commissioning of 03 nos. 120 MT capacity RCC Road Weighbridges (pit less type) along with IT infrastructure for cloud-based data storage & management system including integration with existing RFID, EBS & Other Platform of DPA and Comprehensive Annual Maintenance Contract of complete weighbridges & associated IT systems for the period of three (03) years, inside cargo jetty area of Deendayal Port, Kandla."

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, forms/annexures duly signed & stamped at each page should reach this office or by email on or before 05.02.2025. 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 area at kandla.

1. IMPORTANT NOTICE:

- 1.1 Deendayal Port Authority (DPA) is intending to install 03 nos. 120 MT capacity RCC road weighbridges (pit less type) along with IT infrastructure for cloud-based data storage & management services including integration with existing 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 Warranty 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 has to provide complete IT infrastructure for cloud-based data storage & management services (MeitY & CERT-IN certified as per applicability) with uninterrupted network connectivity and integration with existing RFID, EBS & Other Platform of DPA, CCTV surveillance with NVR, HDD etc. for the weighbridges in **consultation & coordination with DPA's IT team.**
- 1.3 The quantity as mentioned in BOQ are subjected to increase as per the requirement of the DPA. In the event if quantity of the weighbridge increase, the Contractor shall be bound to execute the same as per the quoted rates, terms & conditions.
- 1.4 **The Contractor must be OEM of the RCC Road Weighbridges and shall submit the concerned supporting documents along with EOI.**
- 1.5 **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.**
- 1.6 The specification of the road weighbridge shall be as per the parameters described in Schedule-A.

- 1.7 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, testing and commissioning of 120 MT capacity static type pit-less electronic RCC road weighbridges including automated boom barriers, traffic lights, IP cameras, RFID reader, PA system, position sensors, external display etc., complete IT infrastructure for cloud-based data storage & management services (MeitY & CERT-IN certified as per applicability) with uninterrupted internet network connectivity & integration with existing RFID, EBS & Other Platform of DPA, CCTV surveillance with NVR, HDD etc. and Comprehensive Annual Maintenance Contract with spares for 03 Nos. of complete weighbridges & associated IT systems at Deendayal Port Premises, Kandla for the period of three (03) Years.

The Comprehensive Annual Maintenance Contract shall be reckoned after expiry of Warranty Period of one (01) year of the respective weighbridge. Contractor will have to remove/rectify the defects, if any, make the complete system fully functional as original throughout the Warranty Period of 01 Year. Contractor shall be responsible for 24X7 assistance for rectification of weighbridge system failure and put right the same within stipulated time frame otherwise Penalty shall be imposed.

The CAMC contract shall be extendable up to 12 Months on same terms & condition and mutual consent and the applicable rates for such extended period shall be the rate quoted for the third year CAMC.

Contractor shall have to submit the complete detailed drawings & specifications of the Proposed RCC Road Weighbridge & its associated system within 10 days of issue of Work Order.

After receipt of drawings of the weighbridge system from the Contractor, Civil Engineering Department of DPA shall initiate the execution of all civil works for the proposed weighbridge system in accordance with the submitted drawings.

The contractor shall furnish complete list of material for the installation of the weighbridge and its associated items as per scope. Upon intimation from DPA, the Contractor shall supply the material as per scope after TPI inspection before dispatch. TPI inspection at site shall be done in subsequent phases.

Thereafter, site with complete civil works as per drawing of the weighbridge system shall be handed over to the Contractor for installation, testing and commissioning of the weighbridges and its associated accessories/equipment.

Contractor has to carry out the complete supply, installing, testing, stamping & commissioning of RCC weighbridge with its accessories and supply, installation, testing, certification & commissioning of complete IT infrastructure for cloud-based data storage & management services (*MeitY & CERT-IN certified as per applicability*) with uninterrupted internet network connectivity and integration with existing RFID, EBS &

Other Platform of DPA, CCTV surveillance with NVR, HDD etc. for the weighbridges in **consultation & coordination with DPA's IT team within 30 days of handing over of the site for respective weighbridge.**

- 2.2 The make and model of the RCC road weighbridge must be capable to suit the local site condition and capable of withstanding the most extreme environmental condition.
- 2.3 The RCC road weighbridges shall be static, pit-less type, compatible for automatic operation, suitable for weighing different commodities up to 120 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. The technical specifications and major parameters shall be as per Schedule -A.
- 2.4 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. The equipment and accessories shall be provided with suitable protective enclosures to meet the local environmental condition.
- 2.6 The weighbridges installed shall be configured with all the devices such that it can operate automatically and sequentially as per the process requirement.

3. GENERAL SPECIFICATIONS:

3.1 PLATFORM STRUCTURE:

- 3.1.1 The weighbridges shall have robust, stronger & durable RCC weighing platform for long and reliable performance.

Stopping, restarting, acceleration & deceleration of auto vehicles are likely to occur on the weighbridges platform and the system shall be capable of absorbing the effect of these actions.

The Platform should be robust & of sufficient strength to support weighment of at least 500 trucks per day.

- 3.1.2 Weighbridge Platform should be of size: Length - 18 Meters, Breadth – 3 Meters.
- 3.1.3 The make of steel structural members and steel bars of weighbridge structure shall be leading steel manufacturer like SAIL/TATA/RINL(Vizag)/Jindal/ESSAR/Arcelor Mittal/Nippon Steel. The contractor has to submit test certificates of the materials.
- 3.1.4 The steel structural members of 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.

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 30 MT or more.

- 3.2.2 The OEM of the weighbridges should supply the weighbridge preferably with their own make load cells or leading makes 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 specification to 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 ingress protection.
- 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. The integral cables of the load cell shall be capable to withstand harsh environmental condition including moisture, abrasion and temperature variation.

3.3 WEIGH ELECTRONICS:

- 3.3.1 The complete weighing system shall have user friendly interface with advance technology. 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 lightning & 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 weather proof entry and exit traffic lights suitable for extreme weather condition to guide, control and direct the in and out movements of vehicles.
- 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. The PA system shall guide and aligned the carrier/vehicles for the correct position on the weighbridges.
- 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 for the identification of the vehicle/carrier. 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 and one for weighing platform).
- 3.3.9 **Boom Barrier:** Rigid & strong automated boom barrier at entry and exit of the weighbridge shall be provided & fixed/installed by the contractor. The boom barrier should 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.
- 3.3.10 In case of 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.
- 3.3.11 The software of weighbridge should be designed to meet all the functional, operational and strategic requirements, various report generation as per the requirement of DPA.

3.4 IT SYSTEM INFRASTRUCTURE 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 as per applicability**) for integration of existing RFID, EBS & Other platform of DPA, CCTV surveillance with NVR, HDD etc. 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 Capacity of the Server for the cloud services shall be adequate considering the quantum of the data to be stored so as to avoid any server slow down.
- 3.4.3 **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 uninterrupted internet for weighbridges for the smooth functioning.
- 3.4.4 The IT system infrastructure should adhere to all relevant standards, certifications, and regulations in accordance with guidelines & norms of GoI.
- 3.4.5 All IT system infrastructure should be dust and water proof to suit the local environment.
- 3.4.6 Software provided/developed or designed shall meet the operational requirement of Deendayal Port. Software shall include all the details which are required to be capture/recorded at the time of weighment and software shall be customizable as per the DPA need and future requirement. The dashboard for the software shall be user friendly and representation of all information and key parameters such as weighbridges wise report, weighment done in a shift/day/week/month etc.
- 3.4.7 **Validity of licensed software shall be up to full life span of the weighbridge.**
- 3.4.8 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.
- 3.4.9 **Contractor shall be responsible at his own risk & cost for renewal of certificate, statutory compliances throughout the warranty period, CAMC period and extension of CAMC period (if any).**
- 3.4.10 Contractor has to provide role and right based multiple authorization with separate log in credentials for authorized DPA Officials for onsite and remote accessing the application software, CCTV surveillance and cloud server. Log file (read only) for each log in id with time & date shall be generated.
- 3.4.11 The contractor should ensure the weighbridge data should be synchronized effectively with existing RFID system of DPA and cloud system without any interruption.

3.5 ACCESSORIES:

- 3.5.1 Suitable UPS with sufficient tubular batteries compatible for providing min.04 hrs. power backup for weighment operation through weighbridge is in the scope of the contractor.
- 3.5.2 Industrial grade PC with License Software for operation, compatible printer, keyboard, mouse etc. suitable for harsh environmental condition shall be in the scope of the Contractor.
- 3.5.3 Any other accessories which are essential for proper functioning & commissioning of weighbridge system complete in all respect shall be in the scope of the Contractor.

3.6 CIVIL WORK:

- 3.6.1 The contractor has to provide complete detail drawings of weighbridge and its associated accessories as per local site condition and the requirement of earthquake zone-5 norms.
- 3.6.2 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.
- 3.6.3 Design of all Civil Works except RCC slab of Weighbridge platform shall be carried out by the Civil Engineering Department of DPA in accordance with civil drawings provided by the Contractor.
- 3.6.4 All Civil works except RCC slab of Weighbridge platform, required for weighbridge such as weighbridge foundation, entry & exit ramps, weighbridge operator cabin and all other civil work like speed breakers at the entry and exit of the weighbridge, foundation for boom –barrier, traffic lights, cameras, sensors etc. shall be carried out by the Civil Engineering Department of DPA.

4. CALIBRATION, STAMPING AND CERTIFICATION OF THE WEIGHBRIDGES:

- 4.1 The contractor shall be 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 concerned Weight and Measurement Department. The contractor has to do all co-ordination & liaisoning 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**. During the contract tenure, the contractor should possess the valid license and shall submit certificate/license 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 contractor during the entire contract period.
- 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, stamping shall be done with required standard weight in accordance with guidelines & norms of Legal Metrology Department. The required Test weights for stamping 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 currency 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, no corner variation and speed.

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, IT infrastructure, 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 on-site training to the authorized persons nominated by DPA for complete understanding of weighing operation though installed weighbridge without any additional cost to DPA. Any feedback during the training of the DPA officials which appears to be necessary/crucial/significant for the weighbridges system would be incorporated in the system.

7. COMPREHENSIVE ANNUAL MAINTENANCE:

- 7.1 The contractor is required to carry out the comprehensive annual maintenance for the RCC road weighbridges & its complete associated system supplied against the contract, which will be inclusive of all load cell, IT kit, Junction Box, Printed Circuit Board, Computer, Printer, UPS, Batteries, Cameras, Boom barrier mechanisms, RCC & 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.
- 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 The CAMC contract shall be extendable up to 12 Months on same terms & condition and mutual consent and the applicable rates for such extended period shall be the rate quoted for the third year CAMC.
- 7.4 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.
- 7.5 Electricity for execution of the work at site shall be provided on payment of applicable tariff of the employer subject to availability. 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. Water for the execution of the work will be in the scope of the contractor.
- 7.6 During the Warranty 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.7.14.
- 7.7 Regular preventive maintenance and breakdown repair & maintenance shall be done in such way that operational activities affected to minimal.
- 7.8 Contractor shall be responsible for the fixing the bug, errors, security threats, vulnerabilities and software issues, application management and updates. New user id creation, deletion of old or suspended user id with the approval of Head of User Department.
- 7.9 Contractor shall be responsible for maintaining the cloud services efficiently and effectively. It must ensure that data of every weighment is passed/transeffered on or stored on the cloud server.
- 7.10 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.
- 7.11 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.
- 7.12 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 will not be in the scope of Contractor and the same shall be arranged by the Traffic Department of DPA.

7.13 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.

7.14 Minimum Recommended Manning:

The profile of staff shall be as under, and shall be strictly followed by the contractor. The staff to be deployed at site, DPA, Kandla (For all supplied RCC road weighbridges):

Sr.No.	Designation	Qualification	Qty. / Duty Hours	Remarks
1	Engineer/ Supervisor	Desirable - Diploma (Mechanical/ Electrical/IT/ related)	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	Desirable - ITI (Electrician/ Electronics/ IT/related)	Minimum 01 No. / General Duty	Must be skilled Technician and preferably having good experience and competency in the field of weighbridges & its associated IT system maintenance.
3	Helpers	Desirable - Minimum 7 th pass	Minimum 02 Nos. / General Duty	Must be skilled/semiskilled and preferably having good experience in the field of weighbridges maintenance.
4	Additional Staff			The Contractor can on his discretion 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 09:00 hrs 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.

- 7.15 During the period covered under Warranty 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.

Contractor has to provide quotation for such maintenance/repair/restoration work immediately and carry out the damage restoration work. 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.

- 7.16 The deployed staffs should have a sober behavior and obedient. Any staff coming in intoxicated condition will not be accepted by the administration.
- 7.17 The contractor will attend to the complaints and breakdowns promptly as and when required Round the Clock (24 X 7).
- 7.18 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.
- 7.19 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.
- 7.20 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.
- 7.21 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.
- 7.22 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.

7.23 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.

7.24 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.

7.25 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.

7.26 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.

7.27 All required register/detail is to be strictly maintained by CAMC Contractor during Warranty 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 AND COMPLETE PAINTING:

9.1 The Major Repair and Complete Painting will have to be carried out by the contractor in each year of CAMC period within the period of 07 (Seven) days for each weighbridge in phased manner with proper advance planning in consultation with the Engineer in Charge to avoid hampering of weighment operation. No penalty will be deducted on this account, if work carried out within specified period as mentioned above.

9.2 If the Major Repair and Complete Painting is not completed within 07 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 SITC work of respective weighbridge beyond stipulated time period of 30 days from the date of handing over of site with complete civil works, 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 WARRANTY & CAMC PERIOD (PART-B OF SCHEDULE-B):

- 10.7 **Warranty period:** During, Warranty 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. The penalty amount will be deducted from the bill of CAMC. There is no ceiling for the penalty amount levied for the CAMC period & Warranty 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.
- 10.9 In case of unavailability of the manpower mentioned at clause no. 7.14, during the Warranty & CAMC Period, following penalty shall be deducted:
- (i) Penalty of Rs.1500 per day for Sr. No. 1 of clause no. 7.14.
 - (ii) Penalty of Rs.800 per day for Sr. No.2 of clause no. 7.14.
 - (iii) Penalty of Rs.500 per day per person for Sr. No. 3 of clause no. 7.14.

11. PERFORMANCE SECURITY:

- 11.1 Security deposit (SD) shall consist of two parts; a) Performance Guarantee to be submitted after issue of LOA, 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 should be submitted through Online Digital Transfer or FDR or DD or in form of Bank Guarantee issued from Nationalized/ Scheduled bank (except co-operative banks), having its branch at Gandhidham, within 21 days on receipt of Letter of Award 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 or extension (if any) 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 including extension if any.
- 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 21 days of receipt of Letter of Award (LOA), failing which the work will not be awarded 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 Bank Guarantee is required to be dispatched by the issuing bank directly to The Employer by Registered AD Post.
- 11.8 The bank guarantee towards performance guarantee cum security deposit will be accepted in the form of bank guarantee from any nationalized bank / scheduled bank (except Co-operative Bank) having its branch at Gandhidham.
- 11.9 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.
- 11.10 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.
- 11.11 The Performance Guarantee cum Security Deposit will be released as mentioned above.
- 11.12 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 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.1 of Part-A of Schedule-B, 20% payment of particular weighbridge shall be released after installation, testing, stamping of the particular weighbridge system duly certification from TPIA.
- iii. For sr.no.1 of Part-A of Schedule-B, 40 % payment of particular weighbridge shall be released after complete commissioning of the weighing system including weighbridge, its accessories and IT system infrastructure and acceptance by DPA and certification

from TPIA.

- iv. For sr.no.2 of Part-A of Schedule-B, 100% payment for particular weighbridge shall be released after complete installation, testing, commissioning and acceptance by DPA and 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 Agency engaged by DPA.
 - 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 Contractor 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 Make & Model	Model must be approved for Class III under Legal Metrology Act 2011 or latest. The weighbridges shall have robust, stronger & durable RCC weighing platform to support weighment of at least 500 trucks per day and having long lasting performance.
3	Gross Capacity	120 MT
4	Platform Structure	Size: 18 M X 3 M with automated boom barriers. The weighbridge should be provided with robust, stronger & durable RCC platform structure.
5	Least Count	10 Kgs.
6	IT KIT/Weigh Indicator, Junction box	Fully dust proof, IP68 or higher rating with weather proof housing
7	Load Cell	The OEM of the weighbridges should supply the weighbridge preferably with their own make load cells or leading makes 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 specification to be submitted along with the offer. Type: Digital, Cup & Ball/Compression, built-in surge & lightning protection. Capacity: 30 MT or More MoC: stainless construction having IP 68 or higher ingress protection class with robust, Anti-rodent, Armoured cables.
8	Computer & Printer	Computer: Industrial Grade with licensed software, with enclosure, minimum IP68 class or higher. Printer & mouse: suitable IP class to suit the harsh dusty environmental condition.
9	UPS with Battery	Heavy duty online UPS with tubular batteries for back up of minimum 04 Hours.(Whole system including printer can be operate on UPS – Battery during No power supply).
10	Cloud based data storage, management & integration with existing RFID, EBS & other platform of DPA.	Secure, MeitY Certified & CERT-IN certified system as per applicability for data storage and management and integration with existing RFID, EBS & other platform of DPA, CCTV surveillance with NVR, HDD etc.(Cloud Service provider must be MeitY empanelled)
11	Internet Connectivity	For the smooth functioning of the complete weighbridges system an uninterrupted higher speed internet connectivity will be in scope of the contractor.

Schedule-B

Sub.: "Supply, installation, testing & commissioning of 03 nos. 120 MT capacity RCC Road Weighbridges (pit less type) along with IT infrastructure for cloud-based data storage & management system including integration with existing RFID, EBS & Other Platform of DPA and Comprehensive Annual Maintenance Contract of complete weighbridges & associated IT systems for the period of three (03) years, inside cargo jetty area of Deendayal Port, Kandla."

PART - A					
Sr. No.	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
(A)	(B)	(C)	(D)	(E)	(F)
1.	Supply, installation, testing, verification stamping and commissioning of 120 MT capacity, pit-less type electronic static RCC Road Weighbridges along with its accessories like digital load cells, JB, weight indicator, external display, UPS with tubular batteries, industrial PC with hardware & software, keyboard, mouse, printer, IP cameras, RFID readers, automatic boom barriers, traffic lights, vehicle positioning sensors, PA system etc. complete in all respect as per scope of work.	03	Set		
2.	Supply, installation, testing & commissioning of IT infrastructure & equipment for cloud based data storage & management system for RCC Road Weighbridges (MeitY & CERT-IN certified as per applicability) and integration with existing RFID, EBS & other platform including, compatible software (licensed), uninterrupted internet service, CCTV surveillance with NVR, HDD including certification, license & statutory fees etc. for uninterrupted weighbridge operation throughout the contract period.(Cloud service provider must be MeitY empanelled).	03	Set		
PART-A: Total Amount (Exclusive of GST) (Rs.) :					
PART-A: GST Amount @ ____% :					
PART - B					
Sr. No.	Description	Unit	Qty.	Rate per year per Weighbridge (Rs.)	Amount (Rs.)
(A)	(B)	(C)	(D)	(E)	(F)
3.	Comprehensive Annual Maintenance contract after 01 year Warranty 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)	Warranty Period for one year for all complete system after commissioning of the respective weighbridge and its associated system.				

(ii)	CAMC charges for 1 st year	03	Nos.		
(iii)	CAMC charges for 2 nd year	03	Nos.		
(iv)	CAMC charges for 3 rd year	03	Nos.		
PART-B: Total Amount (Exclusive of GST) (Rs.) :					
PART-B: GST Amount @ ____% :					
TOTAL AMOUNT OF PART - A & B (Exclusive of GST) (Rs.) :					

Total Amount of Part –A & B in Words (Exclusive of GST)

(Rupees _____ Only)

Note:

1. The rates to be quoted shall be inclusive of all charges, taxes, Cess, Duty etc. except GST.
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.

Sd/-

**Signature & Seal
of Contractor**

**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