



DEENDAYAL PORT AUTHORITY
Mech. Engg. Deptt.



Office of ME Gr-1
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No. CME/Mech.Division/1529

Date : 25.11.2024

To,

'Expression of Interest'

Sub: "Hiring of 02 Nos. each Truck Mounted Mist Cannon system and Truck Mounted Road Sweeper system along with manpower for period of three years at DPA"-reg.

Sir,

Deendayal Port Authority intends to hire 02 nos. each of heavy duty Truck Mounted Mist Cannon system & Truck Mounted Road Sweeper system (including Chassis, water tank, Suitable Diesel Generator, Rear sprinkler, High Pressure pump, Hose, Nozzles etc.) and other accessories required along with manpower and complete Operation & Maintenance for the period of three years for effective functioning of the systems for dust suppression in the DPA premises.

Kindly submit your Expression of interest alongwith budgetary-offer for the subject work on the basis of the scope of work enclosed herewith. Expression of Interest should include profile of your firm, work experience in similar supply done, summary of financial reports, technical brochure for the said supply of machines, and your comments/suggestions (if any) regarding the proposal etc.

The rates quoted must be inclusive of all costs such as manpower, tools, tackles, etc. along with transportation up to DPA site and other auxiliary charges for successful work completion excluding GST. The GST applicable shall be shown separately, which shall not be considered for evaluation purposes.

Your EOI with budgetary offers (Forms- A to D, all are mandatory to fill and submit) for the above work should reach this office or on mech.div.kpt@gmail.com & rajdeo.kumar@deendayalport.gov.in **on or before 02.12.2024.**

Thanking you

Yours faithfully,
SD/-

Marine Engineer Grade -1
Deendayal Port Authority

General Terms & Conditions:

1.0 Scope of Work:

- 1.01 The scope of work includes providing of 02 Nos. each Truck Mounted Mist Cannon system and Truck Mounted Road Sweeper system along with manpower, Complete Operation & Comprehensive Maintenance for the entire contract period of three years.
- 1.02 The firm is required to submit along with this EOI the drawings, design, technical specifications and related data of the model of the machines.
- 1.03 The party is required to carry out the testing of the machines at the site as per the requirements for acceptance of the machine for deployment and the Contractor shall furnish the supporting documents towards fulfilling the technical specifications and demonstrate at site for the parameters whichever is applicable. The required performances of all the equipments shall be maintained throughout the contract with DPA.
- 1.04 The subjected equipments shall be deployed within 45 days from the date of intimation of issuance of work order by DPA. After Successful deployment of the equipments, Operation and maintenance of Complete systems is to be done by contractor for next three years. The ownership and liabilities of the equipments & system including manpower shall be of the contractor scope only.
- 1.05 The operations and posting of all four machines at different locations inside Port area shall be handled by Traffic department being operational department under the ATM or as per direction of EIC.
- 1.06 The contractor has to deploy & operate the required machines within the Port areas i.e. New Kandla, Gopalpuri and also at Tuna Tekra (only in case of shifting of cargo at Tuna) as per requirement, as and when required. Contractor has to comply with all the motor vehicle rules and regulations etc. as per government rules and D.P.A. will not be responsible for violation of any rules & regulations.
- 1.07 The contractor is expected to have full knowledge of Operation & Maintenance of all the machines/equipments/items at work site and nature of application of work and no any additional claim what-so-ever shall be entertained in this regard by DPA. It is the sole responsibility of the contractor to operate and maintain the equipments/machines to the entire satisfaction of the EIC of DPA.
- 1.08 The contractor shall be required to execute the work in such a way so as not to cause any damage, hindrance or interference to the activities and work going on in the port areas and adjoining thereof. Any damages to the property shall be made good by the contractor at his own cost no any

claim shall be entertained by the DPA in this regard. If the contractor does not repair the damages in reasonable time period, the same may be made good by DPA at the sole risk and cost of the contractor and amount will be recovered from the bill due as per DPA rule.

- 1.09 Party shall also visit and inspect the site and acquaint himself with all local condition and basic requirements in the cargo jetty & other area of DPA, and working condition at and around the sites. No dispute/claims of the contractor what-so-ever, shall be entertained by DPA for any working conditions arising out of local conditions.
- 1.10 The contractor shall have to make his own arrangement for fuel, water and other consumables for all the equipments/items deployed during the tenure of the contract for successful completion of the contract.
- 1.11 The contractor has to arrange the required potable water at Kandla itself to reduce any downtime due to want of water for running the systems.
- 1.12 Contractor shall arrange for separate arrangement/vehicles for disposing of collected dust/debris from road sweeper machines to other earmarked place (by DPA) at contractor's own cost. To minimize the downtime, sweeping machine shall not be engaged for disposal of collected waste e.g. dust/debris etc. at earmarked places.
- 1.13 All the rules and regulations in force for entry inside the port premises shall be observed and shall be strictly followed by the contractor and by all his employee/ staff etc.
- 1.14 All the Equipment's should be made available 95% per month days, except for any unexpected major breakdown (limited to maximum of three times in any contract year, maximum of 20 days per year for each equipment certified by E-I-C or his representative, any one stretch shall not be more than 10 days, this permissible downtime shall not be carry forwarded to next year of contract). If any of the deployed system is found to be non-operational beyond the said period, a penalty shall be imposed @ Rs.5000/- per day or part thereof per equipment during the entire period of contract.
- 1.15 If any staff is not available/absent on any day, penalty will be levied as: Supervisor, Drivers & Cleaner : Rs. 1500 per day per person, Other categories (i.e. Technician, Male Mazdoor): Rs. 1000 per day per person. This penalty will be in addition to the penalty mentioned in the clause no. 1.15. In case of non-availability of any of Driver/Cleaner truck shall be considered as non-operational.
- 1.16 The staffs should have a sober behavior and obedient. Any staff coming in intoxicated condition will not be accepted by DPA and, if not replaced immediately shall be marked as absent, and, accordingly, penalty shall be levied @ Rs. 600 per day.

- 1.17 If it is noticed that the driver provided by the contractor, is not having valid driving license, a penalty of Rs. 5,000.00 per such incident shall be levied. with a Caution Letter to the Contractor, not to repeat such incident. In case of such three violation during the contract period, Contractor may be imposed an additional fine of Rs. 20,000/- from any next incident.
- 1.18 If it is reported that any of the driver is found to be misbehaving with the officers of DPA/CISF then upon the written instructions of DPA, the contractors shall replace such Driver/Staff immediately, failing which, a penalty of Rs.1500.00 for each day of delay shall be imposed.

2. 0 Technical specifications for Truck mounted Mist Cannon system:

2.01 General information & System description (not limited to) are as follow:

- (i) The Mist Cannon shall be fitted with Nozzle, Gun, High Speed Fan, rotating mechanism, Pump set and internal connections, etc., suitable to operate in Port working conditions of heavy coal dust in the air.
- (ii) The Mist Cannon shall be equipped with minimum number of 80 Nos. pressure sprinkle Nozzles (SS316 L or higher Grade/ Brass Alloy) in such a way to get maximum dispersal of mist for effective dust suppression.
- (iii) The horizontal throw range of the Water Mist would be in the range of 90-100 meters under no wind condition. However, at site horizontal throw range of the Water Mist should reach at least 100 meters along the wind direction. Spray pattern shall be cone shaped.
- (iv) Finest mist of direct pressure nozzles shall produce droplets in the range of 25 - 300 microns. The Contractor shall provide the validation certificate in this regard.
- (v) The system shall have suitable automatic Pump protection, to ensure that in the event of stoppage of water supply to Pump, the Pump will get stopped completely, thereby preventing the Pump from getting damaged.
- (vi) The system shall be provided with High Speed Turbine Electrical Motor to rotate high speed specially designed Fan for throwing the mist in the range of 90-100 meters under no wind condition. However, at site horizontal throw range of the Water Mist should reach at least 100 meters along the wind direction.
- (vii) The system shall have the minimum facility to rotate from 0° to 180°, for spraying with maximum coverage, with handy provision to set the degree of rotation as per site requirement. Also, the degree of vertical tilt shall be -5° to 40°.The rotation of the system shall have facility to be set manually and in automatic mode.
- (viii) The Nozzles in the system shall be free from entering of sediments, mud and dust particles, etc., with suitable Filter arrangements, for easy operation and maintenance. The systems shall be fitted with inline preliminary water filter, at inlet point of water, for removing mud, sediment particles, etc. from entering the pipeline and to avoid choking of nozzles. The system should have in-line Water Filter with easy

access to clean and should be provided with Manometer to check if the line filter is choked and needs cleaning.

- (ix) The system shall be provided additionally with Water Hoses, of suitable size and length of minimum 20 metres, with quick fix coupling arrangements, for easy connection and dismantling for manual operations, in case of any emergency.
- (x) The Mist Cannon shall be designed in such a way that it is suitable for continuous operations even for 24 Hrs.
- (xi) The Mist Cannon vehicle to be offered to DPA shall not be older than one year before the issuance of date of Work order. The Certification of date of manufacturing from the manufacturer will have to be submitted at the time of initial deployment at the site of DPA.
- (xii) It shall be the Contractor's responsibility to fill with suitable lubricant hydraulic oil, transmission oil etc. and prior to acceptance, deployment and for the entire tenure of the contract.
- (xiii) Minimum 03 nos. rear sprinklers shall be provided for sprinkling of water on the roads with separate valve control and operational from driver cabin in each Trucks.

2.02 Truck Chassis: Chassis with cabin from reputed manufacturer such as TATA/ASHOK LEYLAND/EICHER/VOLVO/ MAHINDRA & MAHINDRA/ HINDUSTAN MOTORS

- MODEL: BS-VI or latest
- The Contractor will have to select the Chassis in such a way that the complete Mist Cannon Machine unit may be installed safely on the Chassis, without any hindrance.
- Registration, permits, PUC, Insurance etc. of the vehicles, shall be in the name of the Contractor/ duly authorize persons/ company only and the contractor shall only be responsible for renewal of the same from time to time as per statutory requirements.

2.03 Water Tank on Truck

- The Water Tank shall be of minimum 12000 Litres capacity.
- Thickness and material of the water tank plate should be selected so as to suit the load and environmental conditions (Marine Environment).

2.04 Power source for Mist Canon system

- A separate power source shall be mounted on trucks to operate the mist canon system and shall be sufficient to cater the demand.

2.05 Control Panel

- The Control Panel shall be totally enclosed, dust and vermin proof integral type with minimum IP 65 degree of protection as per the relevant Indian Standard(s), with latest amendment(s)

2.06 High Pressure Pump

Other than the requirement of dust suppression by Canon Mist, the same may be used for sprinkling of water on roads and other areas for suppression of dust. In line with the above, the equipment will be

supplied along with Pump and Hose as per following broad specification:

- Suitable high pressure pump with stainless steel / Brass alloy impellers & stainless steel shaft should be provided with provision of flowmeter on the input side, to be fitted with minimum 150 LPM Discharge.
- Fire hose reel with drum and end Fittings shall be provided of length min. 20 metres.

2.07 Safety Devices

- Minimum standard safety devices like audio-visual alarm, rear & side view camera, fire extinguisher in the cabin, parking brakes, etc. must be available. A suitable size monitor with a sun-visor shall be fitted for displaying the camera views simultaneously for easy overview and operation by operator.
- Full function wireless remote control for remote operations of mist cannon with emergency stop switch (hand held-minimum 50 mtrs.)

2.08 Conditions of Supply

- a) The Truck-mounted Mist Cannon Machine should be capable of suppressing air-borne dust, generated from different types of coal & other materials, including fine and micro fine dust, in open areas / Yards / Railway Sidings / Berths / Sheds, etc.
- b) It should be capable of suppressing air-borne dust without the use of any surfactants or chemicals.
- c) Necessary lighting / illumination arrangement shall be provided on the Truck for operation during night/low light conditions.
- d) After the award of work, the Contractor shall, within 10 (ten) days, submit the relevant documents for compliance of tender conditions, same shall be verified by the Third Party Inspection Agency (to be appointed by DPA).
- e) However, vetting of such relevant documents by the TPIA shall not relieve and absolve the Contractor of his responsibilities for the quality of materials, efficiency and performance of the equipments and the entire dust suppression system supplied by the contractor throughout the contract period.

2.09 Supply and Acceptance of Machine:

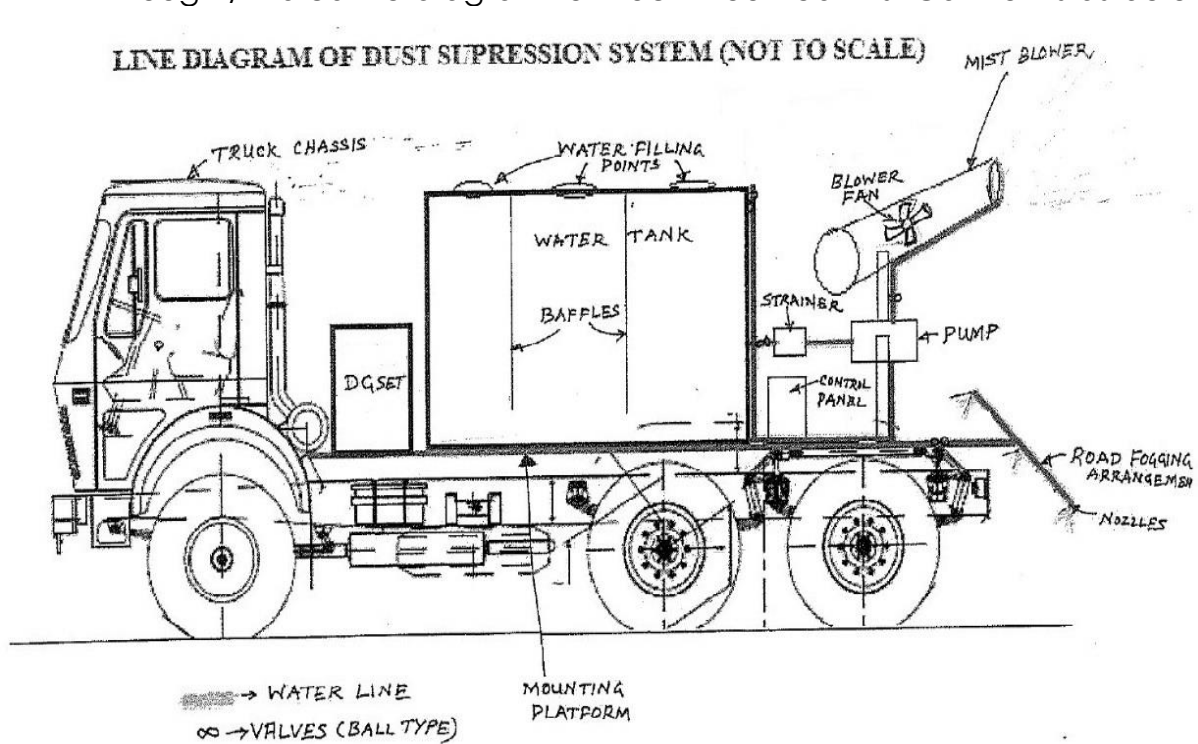
- a) The Mist Cannon vehicle to be offered to DPA shall not be older than one year before the issuance of date of Work order.
- b) The Contractor shall deploy truck mounted Mist Cannon machine complying the technical specifications provided in above mentioned. The system shall be delivered for deployment at Deendayal Port Authority site subject to Dispatch Clearance by Third Party Inspection agency (TPIA) at Manufacturing Site before dispatch, and then after, acceptance of DPA, within 45 days from the date of issuance of Work Order.
- c) For acceptance of the machine the Contractor shall furnish the supporting documents towards fulfilling the technical specifications
- d) The Registration certificate, Insurance certificate, pollution under control certificate shall be obtained by the Contractor at his own

cost and submitted to DPA before acceptance of the machines. It is the contractor responsibility to renew the registration, insurance, PUCs etc. during the tenure of the contract.

2.10 Documents required during final commissioning:

- All Inspection Reports (including Factory Acceptance Test in presence of TPIA and/or DPA), along with all Test Certificate(s) of OEM (Original Equipment Manufacturer).
- Certificate from RTO for road worthiness of truck mounted Mist Canon.
- Copy of Drivers Licence with seal and sign of contractor for genuinity.

A rough / indicative diagram for Truck Mounted Mist Cannon is as below:



3.0 Technical specifications for Truck Mounted Road Sweeper system:

3.01 General information & System description (not limited to) are as follow:

The mechanical road sweeper should have following specifications as a minimum capability in terms of performance in respect to speed and quality.

- It should have rugged design frame, brushes (1 Horizontal & 2 side brushes), nozzles, flexible brush system, mechanical conveyor for transporting to the hopper, hydraulic system for efficient and quality performance and lifting / tipping arrangement.
- The mechanical road sweeper machine shall be fitted with thick brushes made up of Steel / polypropylene, so that it is capable of picking up variety of refuses like leaves, littering plastic paper/paper & debris – dirt, coal/ iron/ other dirty cargo dust, sand, rubble, silt, wet waste, pebbles and stones up to 40 mm size from the roads.

- iii. The brush system shall be of rugged quality & strength and shall have sufficient degree of flexibility to adjust in accordance with contour of the road and enable to cleaning of paved foot path, bituminous & RCC roads.
- iv. The brush mechanism shall be provided with different speeds and shall be capable of picking and guiding the solid and semi-solid waste into the collection hoppers through conveyor.
- v. The equipment should be powered by Auxiliary system, which should be capable of driving the conveyor & brushes through hydrostatic drive/step up gearbox and suitable coupling.
- vi. The entire sweeping operation like lowering and raising of central and side brushes, operating of sweeping brushes etc. should be hydraulic / pneumatic actuated having provision of brush angle adjustment and independent brush lifting which would make sweeping efficient & to achieve a longer lifetime of brushes.
- vii. Must include Hydraulically operated side discharge Door locking/unlocking lifting and lowering and side dumping of the hopper.
- viii. The Equipment should have best technological arrangement to ensure that the dust content in the exhaust air, from sweeping machine is less than the existing / prevailing pollution control norms of PM-10. Relevant certification in this regard to be submitted.
- ix. The light fittings shall be provided for Night/low light conditions Operations Focus light at Boom & reverse Flash light available with Horn for operating the equipment in reverse direction area to be provided.
- x. Minimum standard safety devices like audio-visual alarm, rear & side view camera, fire extinguisher in the cabin, parking brakes, etc. must be available.
- xi. The Road Sweeper vehicle to be offered to DPA shall not be older than one year before the issuance of date of Work order. Certification of date of manufacturing from the manufacturer will have to be submitted at the time of trial run.
- xii. The Mechanical Sweeper machines shall be provided with efficient system for collection and settlement of dust i.e. preventing dust / dirt flying out in the atmosphere during operation of sweeping activity and collection of waste as well as while collection in hoppers. The road sweeper machine shall be fitted with suitable capacity of water spray and shall be operating along the brush for dust suppression as & when required.

3.02 Broad technical specifications:

1. Chassis with cabin from reputed manufacturer such as TATA/ASHOK LEYLAND/EICHER/VOLVO/ MAHINDRA & MAHINDRA/ HINDUSTAN MOTORS
2. MODEL: BS-VI or latest
3. Sweeping width: minimum 3000mm.
4. Container Hopper volume: Minimum 5 Cu. Meter.
5. Cleaning Speed range: - 5-15 KMPH.

6. A separate power source shall be mounted on truck to operate the road sweeper system and shall be sufficient to cater the demand.
7. All sweeper controls to be mounted on a central console located near the operator inside the driver's cabin.
8. The equipment shall be equipped with manually operated controls for all the sweeping operations on the vehicle in case of emergency considering human and vehicle safety.
9. The system to be fitted with waterproof, wide angled, cameras installed for the left side broom and rear side of vehicle for better and improved inside cabin visibility. This is to enable the Driver to have maximum control during operation. A suitable size monitor with a sun-visor shall be fitted for displaying the camera views simultaneously for easy overview by operator.
10. Reflective Indicators: The Sweeping machine shall have a warning beacon affixed to the vehicle on rear side for Human and Machine safety.

3.03 Supply and Acceptance of Machine:

- a) The truck mounded Road sweeper vehicle to be offered to DPA shall not be older than one year before the issuance of date of Work order.
- b) The Contractor shall deploy truck mounted Road Sweeper machine complying the technical specifications provided in above mentioned. The system shall be delivered for deployment at Deendayal Port Authority site subject to Dispatch Clearance by Third Party Inspection agency (TPIA) at Manufacturing Site before dispatch, and then after, acceptance of DPA, within 45 days from the date of issuance of Work Order.
- c) For acceptance of the machine, the Contractor shall furnish the supporting documents towards fulfilling the technical specifications for verification by TPIA.
- d) The Registration certificate, Insurance certificate, pollution under control certificate shall be obtained by the Contractor at his own cost and submitted to DPA before acceptance of the machine. It is the contractor responsibility to renew the registration, insurance, PUCs etc. during the tenure of the contract.

3.04 Documents required during final commissioning:

- a) All Inspection Reports (including Acceptance Test in presence of TPIA and/or DPA), along with all Test Certificate(s) of OEM (Original Equipment Manufacturer).
- b) Certificate from RTO for road worthiness of truck mounted Road sweeper machine.

4.0 Comprehensive Operation & Maintenance of the complete systems:

- 4.01 The comprehensive operation & maintenance contract means that the contractor has to carry out the operations of each machines; preventive, scheduled and breakdown maintenance of the complete systems for three

years from the date of satisfactory deployment of each machine, including required manpower costs, fuel, oil, water, consumables, tools, plants, Spare parts, accessories, maintenance services and all arrangements, insurance, road tax etc. required for successful completion of contract.

- 4.02 The contractor shall consider that each Mist Cannon vehicle operates for an average of 12 hours per day throughout the month. Each road sweeping machine vehicle requires to complete a minimum of 375 kilometres of road sweeping per month, regardless of the road width. These requirements are to be fulfilled consistently for the entire month.
- 4.03 Un-utilized hours or kilometres shall be carry forwarded to next month and shall be utilized by DPA. The hour/ kilometre utilization shall be recorded by the supervisor which shall be certified by ATM (nodal officer)/ EIC or his representative. At the end of contract, cost for un-utilised Hrs./Kms. Shall be deducted from the bill/security of contractor. Hrs./Kms rates will be calculated from the monthly rates quoted by the contractor considering 30 days for a month.
- 4.04 Mobilization of the truck mounted machine(s) from Kandla to Gopalpuri & vice-versa shall not be included in the above mentioned operational requirement of monthly running hrs , and shall be in the scope of contractor without any extra cost.
- 4.05 DPA requirement of 12 Hrs. in each day is actual running of the Mist Canon and Road sweeper machines. Travelling period required for topping up or filling of water tanks and disposal of collected debris/ waste shall not be considered in 12 Hrs. operational working period.
- 4.06 Contractor has to engage the following for the O&M purpose during the tenure of the contract as follows:
- (i) Minimum one driver cum operator with one helper cum cleaner for each machine/Truck for daily operating the systems. Both should hold a valid Driving License of Heavy Motor Vehicle.
 - (ii) The firm shall provide training of Operation & Maintenance of Machines, to all the Operators, helpers, Technicians and later if Operator and Technician are changed/replaced, then Service Provider shall provide sufficient training to the new Operator & Technician also.
 - (iii) The firm has to provide minimum one male mazdoor for maintenance purpose during one shift.
 - (iv) The firm has to provide minimum one Technician cum Mechanic for operational maintenance and Operation purpose during one shift.
 - (v) The contractor firm has to provide minimum one Supervisor cum technician for maintenance and Operation purpose during one shift.
 - (vi) All Spares, tools & tackles, consumables etc. required for the successful operation and maintenance purpose during entire contract period are to be arranged by the Contractor at his own cost.

- 4.07 The truck chassis on which the systems are installed are to be maintained including all spares & labour, by the contractor during the tenure of the contract at his own cost.

5.0 General terms and conditions:

- 5.01 The complete responsibility for safe working of the staffs will be borne by the Contractor. DPA will not be responsible for any loss, damage or accident to any of the staff and property. The Contractor have to provide insurance coverage of engaged manpower and other materials.
- 5.02 All the applicable Laws including labour laws shall be followed by the contractor.
- 5.03 Contractor must issue an identity card to their staff before commencement of work. And also apply for the CISF/Security gate entry-pass of the staffs in the port areas. All the rules and regulations in force for entry inside the port premises shall be observed and following by the contractor and by all his employee, staff etc.
- 5.04 The equipment's operational timings will be tentatively from 0800 to 2000 hrs. or as specified by EIC per day, i.e 12 hrs. each day. In case of additional requirements/emergency situations, machines may require to perform for additional time period for which supplementary off (S/O) may be availed by the required skilled/ unskilled staff. One S/O may be given for each 8 hrs of additional work performed by staff actually involved in this additional hrs. More than 2 S/O cannot be granted in one stretch, S/O will be lapsed after two months and will not be carried forward. The record of such extra hours and respective S/O generated must be maintain by Supervisor with duly signed by Nodal officer/ EIC or his representative. No other forms of reimbursement for extra Hrs./Kms. of work will be entertained.
- 5.05 The period of the contract shall be for 36 months from the date of the all the vehicle mounted systems acceptance. The same may be extended up to 12 months based on mutual consent, on same terms & conditions.

5.06 Payment Terms:

- a) The contractor will submit the bill in triplicate in the 1st week of following month for payment with reference to rates quoted in the price bid per month. The payment will be made on pro-rata basis whatever the amount comes to after necessary deduction in terms of non-permissible absence of the manpower and/ or penalty imposed by DPA. The normal time to make payment by the Port may be within 30 days from the date of receipt of bill along with all supporting documents required as per tender.
- b) The contractor should submit the bill every month along with duly seal and sign a copy of online payment transaction slip to their employees. payment to the engaged staffs viz., Name of the employee, Net amount credited into bank, name of the Bank and date on which the amount was credited into the bank. The contractor must certify that the payment to the employees provided by him have to be credited to concerned individual bank.

- c) Applicable rule for EPF shall be complied by the contractor for their employees and relevant documents shall be submitted to DPA along with monthly bills same shall be verified by TPIA of DPA.
- d) The Engineer-in-charge will be entitled to deduct or adjust any sum of money payable by the contractor to DPA 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.
- e) The plying, operations and posting of all four machines at different locations inside Port area shall be handled by Traffic department being operational department under the ATM as its Nodal Officer.
- f) GPS device (duly calibrated & tested) should be fitted in all truck mounted mist canon machines and truck mounted road sweeper machines and monthly data related to distance covered by each vehicle duly signed by Supervisor and certified by Nodal Officer/ EIC or his representatives should be attached with the monthly bills. Monthly payment should be entirely based on certified data submitted along with the bill.
- g) Biometric attendance system installed by DPA at Kandla (Port) shall be utilised for marking attendance of all staff of contractor in a designated area where canon machines and truck mounted road sweeper machines are parked and monthly data related to attendance of staff duly signed by Supervisor and certified by Nodal Officer / EIC or his representatives should be mandatorily attached with the monthly bill. Monthly payment should be entirely based on certified data submitted along with the bill.
- h) The rate for hiring shall be quoted as per item of Schedule-B of the price bid document from the date of commencement of deployment of machines and will remain constant during the contract period and will not be subject to any escalation for any reason whatsoever, except escalation / de-escalation on account of Diesel Price only in respect of truck mounted systems hired on "Monthly basis", which shall be applicable as under:

The rate shall remain firm during the contract period. However, if there is the increases / decreases in rate of Diesel on the date of submission of the tender and during the currency of the contract then the contract price shall be adjusted for increase / decrease for the Diesel as per following formula.

$$V = 0.85 \times Q \times R \times [(P - P_o) / P_o]$$

V = Variation in price on account of diesel during the month under consideration.

P_o = Actual price of diesel fixed by the IOCL in the concerned area / Port, on the date of opening of Technical bids.

P = Average price of diesel fixed by the IOCL in the concerned area / Port, for the billing month under consideration.

Q = Diesel element factor has been predetermined as 0.39 for each truck mounted Mist Cannon system and 0.13 for each truck mounted Road sweeper system. (note :- The contractor may submit "Q" factor as per their specification offered to DPA)

R = Value of the work during the month under consideration as per relevant item of Bill of Quantities excluding mobilization and demobilizations fees.

Similarly, if the price of diesel decreases during the contract period; de-escalation shall be applied for such decrease as per provisions detailed above and the amount of the Contract shall accordingly be adjusted through deduction. Thus, the benefit of reduction in fuel price, if any, shall be passed to the Employer.

The diesel escalation / de-escalation bills will be paid/ recovered on monthly basis as per claim preferred by the contractor.

For evaluation purpose, each truck mounted system shall be equipped with GPS (duly calibrated & tested) for tracking the system and running hours meter shall additionally installed in each truck mounted mist-cannon system. Same shall be in working condition for entire period of contract.

No escalation on any other account will be payable by the Employer and the rate should be quoted accordingly.

- 5.07 The contractor is expected to have full knowledge of work, work site and nature of work and no claim what-so-ever shall be entertained in this regard.
- 5.08 The contractor shall be required to execute the work in such a way so as not to cause any damage, hindrance or interference to the port activities and work going on in the area adjoining thereof. Any damages shall be repaired by him at his own cost. If he does not repair the damages in reasonable time period, the same will be repaired by Deendayal Port Authority at the sole risk & cost of contractor and amount will be recovered from the bill due or securities.
- 5.09 The tenderer shall examine carefully the condition of contract, scope, site etc. before submitting the tender. He shall also visit and inspect site of work and acquaint himself with all local condition inside the port, working condition at and around the site before submitting the tender. No dispute/claims what-so-ever shall be entertained for the work of any nature arising out of local conditions.
- 5.10 Electricity, fuel, water etc. required for the work has to be arranged by the contractor. If made available by DPA, shall be charged as per applicable

tariff along with DPA charge, if any.

5.11 Third Party Inspection:

- (i) The Third Party Inspection Agency shall be arranged by DPA and cost of Third Party Inspection mentioned below shall be borne by DPA.
- (ii) The Third Party shall carry out inspection of Staff-profile as per tender conditions & specification.
- (iii) The Third party inspection agency shall inspect the supply machines as per the technical specifications & parameters provided in the document at Manufacturing site.
- (iv) The third party agency shall inspect the working of the machines and submit report for any non-confirmative thereof.
- (v) The monthly payment shall be released after certifying by the third party for compliance of tender requirements and copy of the same shall be produced by Agency for releasing the monthly payment as per Payment Terms.

5.12 All fooding, lodging & transportation etc. cost should be solely bear by the contractor. The contractor shall also arrange for transportation of staffs & materials if required from work site to repair site and vice-versa.

5.13 The contractor shall ensure that the wages paid by him to the personnel deployed by him are not less than the prevailing Minimum Rates of Wages per person per day in respect of Area-C as notified by the Chief Labour Commissioner (C), Ministry of Labour & Employment, New Delhi, from time to time in respect of the Skilled Category and Highly Skilled Category.

5.14 At any point of time during the currency of the contract if it is found that, the wages are not being paid in accordance with the prevailing statutory rates of minimum wages notified from time to time by the Chief Labour Commissioner (C), Ministry of Labour & Employment, New Delhi, the difference of payments may be made by DPA by deducting from contractor bill or security and the contract may be terminated forthwith and the performance security shall be forfeited.

5.15 The contractor shall not engage/employ persons below the age of 18 years. The details of the engaged staffs shall be submitted to E-I-C.

5.16 The contractor shall maintain all records/registers required to be maintained by him under various Labour laws and produce the same before the Statutory Authorities and should also be available for inspection at any time by the DPA official or their authorized representatives. These records/registers shall among other things include the following: -

Sr. No	Name of Register
(i)	Muster Roll/Daily Attendance
(ii)	Register of Wages

(iii)	Register of Deductions
(iv)	Register of Fines
(v)	Wage Slip and EPF Slip
(vi)	Register of Advances
(vii)	Accident Register
(viii)	Penalty Register
(ix)	Register of Damage

5.17 Tools & Tackles:

All the tools & tackles, required for doing the work, shall be provided by the contractor i.e. sufficient spanner-sets, torque-wrenches, Allen-keys, tester, screw driver set, safety belts etc. DPA will not provide anything.

5.18 The contractor has to provide the required PPE kit to his engaged staffs viz. helmet, safety shoes, gloves, masks, ear-buds etc. same shall be ensured to be utilised for O&M purposes.

5.19 No Lien/Claim:

The personnel provided by the contractor shall have no lien of claim in any manner on DPA, after their services are no more required by the DPA or during their deployment. The personnel of contractor will not take part in any activity of DPA employee's union/Association as well as visitors.

Contractor

SD/-
Marine Engineer Grade -1
Deendayal Port Authority

Form – A

LETTER OF TRANSMITTAL
(To be typed in Firm's Letterhead)

To

Marine Engineer Grade -1
A.O. Building,
Ground Floor, Room No 11
Deendayal Port Authority
Gandhidham
Kutch, Gujarat – 370210.
rajdeo.kumar@deendayalport.gov.in
mech.div.kpt@gmail.com

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.

Signature(s) of Applicant(s)

Enclosures:

Seal of applicant:

Date of submission:

Form - B

Name of firms/Applicants

(To be typed in Firm's Letterhead)
(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

(To be typed in Firm's Letterhead)

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				

Signature with Seal

Form - D

Schedule – B

(Part –II)

Sub: Hiring of 02 Nos. each Truck Mounted Mist Cannon system, and, Truck Mounted Road Sweeper system, alongwith comprehensive operation & maintenance at DPA, as per the mentioned scope of work.

S. N.	Description	Nos.	Qty.	Unit	Rate	Amount
					(in Rs.)	(in Rs.)
1	2	3	4	5	6	7 (3 x 4x 6)
	For Truck Mounted Mist Cannon					(A)
1	Hiring charges including operation & comprehensive maintenance for the Truck mounted Mist Cannon machine including the required staffs, fuel, water, spares & labour for repair/maintenance etc. as per detailed mentioned in the scope of work and required for successful completion of the contract.	02 Nos.	36	per month		
	For Truck Mounted Road Sweeper					(B)
2	Hiring charges including operation & comprehensive maintenance for the Truck mounted Road sweeper machine including the required staffs, fuel, water, spares & labour for repair/maintenance etc. as per detailed mentioned in the scope of work and required for successful completion of the contract.	02 Nos.	36	per month		
	Grand total Hiring amount for the machines, (A) + (B) Rs.					

Note: -

- i. The rates to be quoted taking into consideration Hiring of two (2) nos. each of Truck mounted Road sweeper machine and Truck mounted Mist Cannon machine and shall be inclusive of all fuel, water etc. charges, taxes, Cess, Duty etc. except GST, if any.
- ii. The contractor shall consider that each Mist Cannon vehicle operates for an average of 12 hours per day throughout the month. Each Road sweeping machine vehicle completes a minimum of 375 kilometres of road sweeping per month, regardless of the road width. These requirements are to be fulfilled consistently for the entire month.

(Total Rupees _____ Only)

GST: _____% extra.

Contractor

SD/-
Marine Engineer Grade -1
Deendayal Port Authority