



OFFICE OF THE ROURKELA MUNICIPAL CORPORATION

Udit Nagar, Rourkela Dist. -Sundargarh (Odisha) Pin-769012 Website: www.rmc.nic.in

EmailId: rourkelamunicipality@gmail.com

No. 7870

Date: 19.06.2025

Tender Call Notice

The Municipal Commissioner on behalf of Rourkela Municipal Corporation invites sealed applications in conformation with detailed Tender call notice from the reputed firms /Agencies for **"Supply, Installation, Testing, Commissioning & O&M of Smart Dust Suppression System"**.

Detail technical specifications, along with terms & conditions etc. may be seen from the Website www.tendersorissa.gov.in & website of Rourkela Municipal Corporation i.e. www.rmc.nic.in. Date of issue of tender document **20.06.2025**.

**Sd/-
Commissioner
Rourkela Municipal Corporation**

Memo No. 7871

Date: 19.06.2025

Copy to Notice Board of RMC for wide publicity of advertisement through office notice board and MIS, RMC is directed for uploading of the tender document in the RMC website and Tender Odisha website.

**Sd/-
Commissioner
Rourkela Municipal Corporation**

Memo No: 7872

Date: 19.06.2025

Copy to Director, I&PR Dept., Govt. of Odisha, Bhubaneswar for information with a request to publish the copy of above mentioned notice in one highly circulated Odia daily newspapers & one highly circulated English daily newspaper on date **21.06.2025**.

**Sd/-
Commissioner
Rourkela Municipal Corporation**



Tender Call Notice No. 7870

Date: 19.06.2025

MC/RMC/26/2025

Rourkela Municipal Corporation
Uditnagar, Rourkela, Dist.-Sundargarh (Odisha), PIN-769012
Email ID: rourkelamunicipality@gmail.com
Website: www.rmc.nic.in

TENDER

STANDARD TERMS & CONDITIONS OF TENDER DOCUMENTS FOR
"Supply, Installation, Testing, Commissioning & O&M of Smart
Dust Suppression System".

INVITATION FOR BID (IFB)

Rourkela Municipal Corporation, Rourkela invites sealed Bids for “**Supply, Installation, Testing, Commissioning & O&M of Smart Dust Suppression System**”.

Bidding Schedule:

SL.NO	INFORMATION/SUBJECT	DETAIL
01	NAME OF WORK	Supply, Installation, Testing, Commissioning & O&M of Smart Dust Suppression System
02	DATE OF PUBLICATION OF BID	20.06.2025, 05.00pm
03	TENDER PAPER COST	11,800/- (Including GST)
04	EARNEST MONEY TO BE DEPOSITED	Rs. 5,00,000/-
04	LAST DATE AND TIME FOR BID SUBMISSION	05.07.2025, 05.00pm
06	DATE AND TIME FOR BID OPENING	07.07.2025, 11.00am
07	DATE OF FINANCIAL BID OPENING	To be Intimated
08	NAME AND OFFICE FOR INVITING TENDER	Commissioner, RMC
09	HELPLINE NO AND EMAIL ADDRESS	rourkelamunicipality@gmail.com

1. Bidder may download the Bidding Document from the RMC website www.rmc.nic.in/ www.tendersorissa.gov.in and submit its Bid by utilizing the downloaded document, along with the required non-refundable fee towards Tender paper cost of Rs.11,800/- (Including of GST) through online. The bidder has to submit all the documents through online mode.
2. In the event of any of the above-mentioned dates being declared as a holiday / closed day the Bids will be received/ opened on the next working day at the appointed time.
3. For Queries and Clarifications, send email to: rourkelamunicipality@gmail.com only.
4. The Authority of RMC reserves the right, without any obligation or liability, to accept or reject any or all proposals at any stage of the process or to cancel or modify the process without assigning any reason whatsoever. Any changes in the tender document, addendum and corrigendum or schedule of the tender shall be reflected in the website of RMC (www.tendersorissa.gov.in www.rmc.nic.in/) . No extension of any deadline will be granted on the basis of grounds that RMC have not responded to any question or not provided any clarification.

**Commissioner
Rourkela Municipal Corporation**

Tender Call Notice

Rourkela Municipal Corporation (RMC) invites Tender from prospective agencies for Supply, Installation, Testing, Commissioning & O&M of Smart Dust Suppression System.

NO	Name Of Work	Deliverables
01	Supply, Installation, Testing, Commissioning & O&M of Smart Dust Suppression System	Interest Parties shall have to submit documents as provided in the Tender.

(A) Technical Bid

NO.	Technical Criteria	Documentary Proof
1	Should not have defaulted/black listed by any Govt. Dept./PSU of India and there should not be any pending litigation against a bidder with the Central/State Government department.	Self-declared Affidavit on Non-Judicial Stamp of value 100 INR to be submitted.
2	Agency Should be a proprietor / Partnership Firm/Company/MSME registered.	Self-certified copy of incorporation or Udyog Adhar.
3	Should have GST Registration	Self-certified copy of the certificate is to be submitted.
4	Should have PAN registration number.	Self-certified copy of PAN to be submitted
5	Must have a minimum average turnover of 50 lakh in the last 3 years i.e. FY 2021-22, 2022-23, 2023-24	Copy of the Audit Report from authorized CA to be submitted
6	EMD Rs. 5,00,000/-	DD from any nationalized bank
7	Tender Paper Cost Rs. 11,800/-	DD from any nationalized bank
8	Profile of the organization.	Self-certified copy of the organization profile.

(C) Terms and Conditions

1. The bidder should submit (self-attested) documentary proof in support of the above condition and shall also submit a clause by clause compliance certificate. The incomplete offers i.e. financial or technical bids for partial items instead of bidding for the whole list of requirement will be summarily rejected without any further correspondence.
2. The bidder must also submit an affidavit of assurance of no change in the quoted price for One-year.
4. Submissions of Bids- The bidder has to submit papers on-line with all required documents.
5. Evaluation of Bids
 - a. Tendering authority shall evaluate the bids in respect to the substantive responsiveness of the bid or otherwise. Tendering authority shall carry out a detailed evaluation of the substantially responded bids. Tendering authority shall check the bid to determine whether they are complete, in all respect or not.
 - b. Arithmetical error shall be rectified on the following basis
 - i. If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the bidder.
 - ii. In case of discrepancy between words and figures, the amount in words shall prevail.
 - c. If any bid is found substantially non-responsive shall be rejected by the evaluation committee.
 - d. Tendering Authority may waive any minor infirmity or non-conformity or irregularity in the bid which does not constitute a material /service deviation.
 - e. Tendering Authority shall evaluate in detail and compare the substantially responsive bids.
 - f. **The Financial bid will be opened only when a Bidder qualifies in the Technical Bid.**
 - g. The Shortlisted Agency quoting the lowest price bid shall be the preferred bidder.
 - h. The decision taken by the tender committee shall be final and binding to all participating bidders. It cannot be challenged in any court of law.
8. Termination of Default: Tendering Authority may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the agency, terminate this contract in whole or in part.
 - a. If the agency fails to deliver any or all the services/goods within the time specified in the contract, or any extension thereof granted by Tendering Authority
 - b. If the agency fails to perform any other obligation (s) under the contract; and
 - c. If the agency, in either of the above circumstances, does not remedy his failure within 15 days (or such longer period as the competent authority may authorize in writing) after receipt of the default notice from Tendering Authority.
10. **Payment and release of the Funds:**
 - i. Contractor shall raise as per the following schedule:
 - a) 90% of the total amount due after successful completion, Installation & Commissioning.

- b) 5% of the amount shall be released by the RMC after 2nd year of maintenance works done by the bidder and the balance 5% shall be released after 3rd year of maintenance work.

11. Supply of Materials

- a) The contractor shall at his own expenses provide all materials required for the work. The materials supplied by the contractor shall conform to relevant latest specifications and Codes of Practices or in their absence to other specifications as may be decided by RMC. The contractor shall furnish necessary certificate(s) in support of the quality of the materials as may be required by RMC.
- b) RMC shall have absolute authority to test the quality of materials/Equipment at any time through any reputed laboratory at the cost of contractor. The contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials. RMC shall have the right for removal from the work sites, of all specifications and in case of default, RMC shall be at liberty to sell such materials and/or to employ other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials.

12. Statutory Approvals and clearances

The Contractor shall be liable to undertake all statutory clearances, NOC and approvals from the relevant Local authorities for undertaking and executing the project. The Official fee for undertaking these clearances shall be borne by the agency; however, all Incidental expenses shall be borne by the contractor.

1. Contractor to Provide and Facilitate Inspection, Safety Gear, etc.:

- a) **Inspection:** RMC will have the right to inspect the work and can reject partly or fully such construction/installation if found defective in its opinion.

2. Black Listing

A contractor may be black listed for: -

- a) Misbehavior/ threatening of Departmental & supervisory officers during execution of work/tendering process.
- b) Involvement in any sort of tender fixing.
- c) Constant non-achievement of milestones on insufficient and imaginary grounds and non- adherence to quality specifications despite being pointed out.
- d) Persistent and intentional violation of important conditions of contract.
- e) Security consideration of the State i.e., any action that jeopardizes the security of the state.
- f) Submission of False/ fabricated/ forged documents for consideration of a tender.

In case a contractor is black listed, it will be widely published and intimated to all Departments of Government and also to Govt. of India Agencies working in the State.

Scope Of work

The Scope of Work intends to define the work activities to be undertaken by the bidder. Rourkela Municipal Corporation is seeking proposals for **Supply, Installation, Testing, Commissioning & O&M of Dust Catcher to Rourkela Municipal Corporation**. All the Components and sub-components shall be complied with the specified standards provided by the selected contractor and approved by the RMC.

1. Design, Manufacturing, Supply & Installation of the Smart Dust Suppression System as stated above shall be in the scope of the bidder.
2. Foundation of equipment will be under the scope of the bidder; the bidder shall provide the details of the foundation with drawings, foundation bolts or else as per design.
3. The details for commissioning of equipment and components involved in the system shall be submitted. The work required for installation and commissioning must be carried out by the bidder.
4. Loading, Unloading & Crane work of the equipment and components at the site shall be under the scope of the bidder.
5. The Installation & Commissioning will be done by the bidder at their own cost.
6. The bidder has to provide tools, labour, helpers, welders, fitters, gas cutting sets, welding transformers, etc., at the time of installation.
7. The required load for electric power and water connection shall be arranged by RMC. RMC shall facilitate the successful bidder for obtaining the same in this regard on the documentary & approval.
8. The successful bidder shall provide an online monitoring system for tracking PM10 levels.
9. The scope of the project shall include a 1-year Warranty & Service & 2 Years of O&M of the Smart Dust Suppression System.

Design & Engineering

1. Conduct detailed site survey and feasibility study.
2. Develop a customized design for an IoT-based Smart Dust Suppression System.
3. Define the placement of sensors, mist cannons, and control panels for maximum coverage.
4. Design system at ICCC for real-time monitoring and Data analysis, System Control & Operation.
5. Design the UI for Monitoring & Control of the System.

Supply of Equipment & Components

The bidder shall supply all necessary components, including but not limited to:

1. PM10 and PM2.5 Monitoring Device.
2. Automatic fine mist system of 30 meters for dust suppression.
3. Structural platforms for secure installation of the fine mist system at suitable height.
4. IoT-enabled Control Panels for fine mist system with automation.
5. Data transmission modules for seamless communication with System in ICC.
6. A Common Water tank & distribution system required for system operation.
7. Mechanical Structure Platform/ Tower for mounting fine mist system.
8. Electrical Cables for Power & Control between Machines & Control Panel.
9. Pipeline for water supply from water tank to Machines.

Installation & Commissioning

1. Installation of fine mist system at designated locations.
2. Placement and configuration of air quality monitoring sensors.
3. Integration of IoT modules for remote operation and control.
4. Connectivity with RMC's ICC for real-time data access.
5. Conducting a comprehensive system test to verify functionality and efficiency.
6. Final commissioning and performance validation.

Bidder's Responsibilities

1. Complete system design, supply, installation, commissioning, and maintenance.
2. Provide technical support, training, and documentation.
3. Ensure compliance with environmental and safety standards.
4. Maintain uptime and efficiency of the dust suppression system.

RMC's Responsibilities

1. Approve the system design and implementation plan.
2. Provide necessary permissions and clearances for installation.
3. Ensure the availability of water and power supply at the site.
4. Facilitate access to the Site and ICC for system installation & setup.

Deliverables

1. Detailed Drawing which includes design and layout plan for the Smart Dust Suppression System.
2. Supply and installation of all necessary components.
3. UI design for System at ICCC and functional verification.
4. Operating Manual for the System Installed.
5. Training and documentation for RMC personnel.

1. Specification of the Dust Catcher

Sl. No.	Items	Features
A	Fine Mist	
1.	Equipment Type	Tower Mounted Dust Suppression System.
2.	Throw range	up to 30 meters
3.	Number of Nozzle	0 Nos. (Nozzle Free Technology)
4.	Horizontal Swing	Up to 330 degrees- adjustable (Automatic swing)
5.	Vertical Tilt	+40-(-10) degrees (Manual)
6.	Fan Blade	Aluminum Alloy/ PPG
7.	Fan Motor control	Drive
8.	Pump type	Feeding type
9.	Water Inlet	1/4 Pneumatic pipe
10.	Water type	Regular Tap Water
11.	Water discharge	4 LPM (Liters Per Minute)
12.	Droplet size	0.5-50 microns
13.	Valve	Electrical valve (Water flow can be controlled)
14.	Spray	Super-fine fog.
15.	Filtration	Y-Strainer (SS)
16.	Power	6.5 Kilowatts (Approx.)
17.	Panel	Metal sheet with powder coated
18.	Power supply	415V, 50Hz, 3Phase, 4wire (Cable size: 6 sq mm 4 core Copper)

19.	Panel Canopy	Yes, Suitable for all weather.
20.	Operation	Manually/ Automatic/ Remote (from Control Room)
B	Water Tank	
1.	Capacity of water tank (Liter)	4 KL
2.	Tank Material	LLDPE
3.	Dimension	180cm x 204cm x 47cm (appx)
C	RPM/ SPM Monitoring Device	
1.	Parameters	PM2.5, PM10
2.	Data Interval	2-30 mins
3.	Size	685 mm x 330 mm x 187 mm (appx)
4.	Weight	15kgs
5.	Enclosure	Lockable IP65 GRP cabinet
6.	Power Supply	220Volts/ AC/ Single Phase
7.	Operating Temperature	15 °C to 65 °C
8.	Mounting	Pole/ Wall/ Tower
9.	Connectivity	Wireless/ Wired

SPECIAL CONDITIONS OF THE CONTRACT

1. The contractor shall not be entitled to any compensation on account of delay due to any natural calamity or labor unrest or non-availability of labor, theft of materials or any kind of force majeure situation, etc.
2. If the contractor could not achieve proportionate progress with respect to time, then RMC shall have the right to take any action deemed fit against the contractor as per the agreement including rescind of contract, levy of penalty, etc. In case of non-cooperation/deliberate delay either required quality and progress/unnecessary or uncalled for correspondence(s) embedded with condition(s)/instruction(s) not commensurate with the explicit condition(s) of the agreement by the contractor for the work, RMC shall not only have the right to rescind the contract but also to execute either the whole or balance portion of the work through any other mode, as deemed fit by RMC and the excess expenditure incurred, if any, for execution of the same, shall be recovered from the contractor resorting to the procedures deemed fit by RMC. **The employer (RMC) also reserves the right whether to respond or not to the correspondence(s)/queries of the contractor or any other organization/entity regarding this work and/or the conditions/instructions associated with this work.**
3. The decision of RMC regarding the reasons for delay, if any, in completion of the work shall be final and binding on the contractor. If the Municipal Commissioner, RMC is not satisfied regarding the genuineness of delay for progress and/or completion of the work, then he/she may impose penalty upon the contractor Rs. 5,000/- (Rupees Five Thousand only) per day for delay of the work not exceeding 10% of the total project cost.
4. RMC reserves the right, to make such increase or decrease in the quantities and/or items of the work which are considered necessary during the course of execution. Such increase or decrease shall be at the discretion of RMC and in no case, shall validate the contract except the corresponding financial involvement admissible by/acceptable to RMC.

5. The actual date of completion of the work shall be noted/ declared/ notified/ intimated by RMC from time to time and the same shall be binding upon the contractor.
6. The EMD retained by RMC from the contractor's bill shall be considered for release subject to fulfillment of all the conditions of the RFP/ Agreement and the same will be released to the Bidder after One year of Successful running of the vehicles from the date of delivery & checking/scrutiny of the files and expenditures by Local Finance Audit and shall be subject to deductions/recovery of any amount(s) pointed out by Audit.
7. No interest will be paid by RMC on the EMD furnished by any bidder, on the Security deposit of the contractor and on the amount(s) to be withheld/deducted by RMC from the bill amount(s) if the contractor or upon delay in release of payment(s) or release of deposit(s) of the bidder(s)/contractor.
8. The quoted prices should be including of all applicable taxes, transportation, Civil Work and all other required documents, etc and excluding of GST.
9. EMD exemption is not allowed.
10. Bidder should submit Non-Blacklisting Notarized Affidavit on Rs. 100/- Stamp Paper and mention that Bidder should not have black listed from any Govt. Dept./ULB and should not have been convicted by any court.
11. The bidder should have ISO accreditation certificate. They should follow Quality Management System (QMS) policies, processes and procedures for more than one year.
12. Bidder should furnish Bank solvency certificate for minimum 1 Crore issued by scheduled or nationalized bank.
13. The bidder should have an average annual turnover of 3 crore in last 3 years.
14. Only manufacturer or authorized dealer with credentials can participate in the tender.
15. During scrutiny, if it comes to the notice of the tender inviting authority that the credential or any other paper found incorrect / manufactured / fabricated, that bidder would not be allowed to participate in the tender and that application will be rejected without any prejudice. Submission of false document by Bidder is strictly prohibited

and in case of such act by the Bidder the same may be referred to the appropriate authority for prosecution as per relevant IT Act with forfeiture of earnest money forthwith.

16. The rate will be valid for 01 Year. The Authority reserves the right to order extra no. of items as per the requirement of RMC.
17. The authority reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for authority's action.
18. Bidder may be asked for demonstration of the product, if required.

FORMAT FOR COVERING LETTER FOR PROPOSAL SUBMISSION

(On the Letterhead of the Bidder)

Date:

To,

The Commissioner
Rourkela Municipal Corporation
Udit Nagar, Rourkela-769012

Sub: "Tender Call Notice for Supply, Installation, Testing, Commissioning & O&M of Smart Dust Suppression System".

Dear Sir,

Being duly authorized to represent and act on behalf of Sole Applicant. I, the undersigned, having reviewed and fully understood all of the Proposal requirements and information provided hereby submit the Proposal for the Project referred above.

I am enclosing the Proposal (one original), with the details as per the requirements of this Tender, for your evaluation. The Proposal, including the Bid Security shall be valid for a period of 90 days from the Proposal Due Date and the Bid Security shall be valid up to 45 days beyond the proposal validity period

Dated thisDay of2022

Name of the Lead Member/Person

Signature of the Authorized Person

.....

Name of the Authorized Person

.....

Designation of the Authorized Person

TECHNICAL BID FORM

(TO BE SUBMITTED SEPARATELY IN ENVELOPE – ‘A ‘)

1	Name of Bidder	
2	Name of the proprietor/Partner	
3	Address of the firm	
4	Telephone/ Fax No. Email ID	
5	Pan Number (attached photocopy)	
6	Photo copy of GST Registration Certificate (attached photocopy)	
7	Average Annual Turnover during the last preceding three Financial Years of Rs. 3 Crore in the form of C.A Certificate/ Audited Balance Sheet (attached photocopy)	
8	Details of Paper cost of Rs.11,800/-	To be deposited online
9	Details of EMD of Rs. 5,00,000/-	To be deposited online

Note: Submission of documentary proof for the entire above Qualifying Requirement is mandatory. In case of absence of documentary proof the bid is liable to be rejected. RMC may demand original documents for verification.

Date:

Place:

Authorized Signatory

Name _____

Designation_____

FORMAT FOR POWER OF ATTORNEY FOR SIGNING OF PROPOSAL

(On Non – judicial stamp paper of Rs. 100/- duly attested by a Notary Public)

POWER OF ATTORNEY

Know all men by these presents, we (name and address of the registered office of the Sole Applicant) do hereby constitute, appoint and authorize Mr. / Ms. _____ R/o (name and address of residence) who is presently employed with us and holding the position of

_____ as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to the bid of the consortium consisting of, and (please state the name and address of the members of the consortium) for Supply, Installation, Testing, Commissioning & O&M of Smart Dust Suppression System, including signing and submission of all documents and providing information / responses to Rourkela Municipal Corporation representing us in all matters in connection with our bid for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

For (Signature)

(Name, Title and Address)

Accept

..... (Signature)

(Name, Title and Address of the Attorney)

Notes:

- To be executed by the Sole Applicant or all members including the Lead Member in case of a Consortium.
- The mode of execution of Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- Also, wherever required, the executants(s) should submit for verification the extract of the charter documents and documents such as a resolution / Power of attorney in favour of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the executants(s).

Format of Disclosure

[On the letter head of bidding Company/Each Member in a Bidding Consortium]
Disclosure

We hereby declare that the following companies with which we/have direct or indirect relationship are also separately participating in this Bid process as per following details:

Sl. No	Name of the Company	Relationship

In case there is no such company in the column “name of the company” write “Nil”.

Further we confirm that we don't have any Conflict of Interest with any other company participating in this bid process.

Signature of

Chief Executive Officer/ Managing Director

The above disclosure should be signed and certified as true by the Chief Executive Officer/ Managing Director being full time Director Bidding Company or Member, in case of a Consortium.

Format for Affidavit for Non-criminality

(On Non – judicial stamp paper of Rs 100 duly attested by notary public)

1. I, the undersigned, do hereby certify that all the statements made in our proposal are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s nor any of its directors/constituent partners have abandoned any work in India or any contract awarded to us for such works have been terminated for reasons attributed to us, during last five years prior to the date of this application.
3. The undersigned also hereby certifies that neither our firm M/s nor any of our consortium partner namely M/s & M/s have abandoned any contract/ work of RMC or Govt. of Odisha and or blacklisted by any State/ Central Govt. agencies in participating from any bidding/ tendering process.
4. The undersigned hereby authorize(s) and request(s) any bank, person, firm or Corporation to furnish pertinent information deemed necessary and requested by RMC to verify this statement or regarding my (our) competence and general reputation.
5. The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the RMC.

Signed by an authorized Officer of the Company/firm

Title of Officer

Name of Company/Firm

Date

FORMAT FOR ANTI-COLLUSION CERTIFICATE

(On the letter head of the Lead Member / Sole Applicant)

ANTI-COLLUSION CERTIFICATE

We hereby certify and confirm that in the preparation and submission of this Proposal, we have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing which is or could be regarded as anti-competitive.

We further confirm that we have not offered nor will offer any illegal gratification in cash or kind to any person or agency in connection with the instant Proposal.

Date thisDay of 2022.

Name of the Bidder

Signature of the Authorized Person

Name of the Authorized Person