



Rajasthan State Pollution Control Board

Headquarter, 4, Institutional Area, JhalanaDoongri, Jaipur-302004
Phone :0141-27168049,2716800 e-mail : member-secretary@rpcb.nic.in
HelpLineNo. : 0141-2716877



BID NOTICE No. RSPCB/2024/EPR-5/B/3

Online-Bid Document
For Supply, Installation, Commissioning, Operation
and Maintenance of IOT enabled Plastic Bottle
Flaking Machines /Reverse Vending Machines for a
period of 4 (four) years at 50 locations in Rajasthan

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved





Rajasthan State Pollution Control Board



Headquarter, 4, Institutional Area, JhalanaDoongri, Jaipur-302004
Phone :0141-27168049,2716800 e-mail : member-secretary@rpcb.nic.in
HelplineNo. : 0141-2716877

F12(EPR-5)RSPCB/jaipur/V-1/1135

Date:- 18.9.2024

Notice Inviting Online Bids for Supply, Installation, Commissioning, Operation and Maintenance of IOT enabled Plastic Bottle Flaking Machines /Reverse Vending Machines for a period of 4 (four) years at 50 locations in Rajasthan

- 50 IOT enabled Plastic Bottle Flaking Machines /Reverse Vending Machines to be installed in identified cities in Rajasthan.
- Collection of PET bottle scrap/flakes generated from machine for recycling.
- Reward System for promotion of flaking/vending machines (to be decided by RSPCB with successful bidder).
- Interactive response system including digital reward facility to user.
- Internet Connectivity to be provided in the machine.
- Annual Operation & Maintenance contract of machines for a period of 4 years.
- Providing of civil work for the construction of platform as well as a shelter shed for machine wherever necessary (for saving it from rain & sun).

| | |
|--|---|
| Name & Address of Procuring Entity | Rajasthan State Pollution Control Board. Headquarter, 4, Institutional Area, Jhalana Doongri, Jaipur-302004 E mail: member-secretary@rpcb.nic.in |
| Name & Address of the Project Officer In-charge (POIC) | Name: Prasputita Nanda, Suptd. SO, RSPCB Address: 4, Institutional Area, Jhalana Doongri, Jaipur - 302004 Email: scmg.rspcb@gmail.com |
| Period of online availability of Bid Documents (Start Date/ End Date) | Start Date: 18.09.2024 at 1700Hours. End Date: 14.10.2024 at 1500Hours. |
| Approximate Cost of Bid | Rs 4,00,00,000/- (Four Crore Rupees). |
| Tender Document Fee | Rs 2000/- (Rupees Two Thousand Only) plus GST 18% in favour of Member Secretary, RSPCB, Jaipur |
| Processing fee Rs. | Rs 1000/- (Rupees One Thousand One Hundred and Eighty Only) plus GST 18% in favour of Managing Director, RISL, Jaipur |
| Earnest Money Deposit | Rs 8,00,000/- (i.e., 2% of Cost of Bid) |
| Date and time for Pre-bid query | Date and Time: 27.09.2024 at 1200 Hours. Pre-bid query can be sent online through e-mail at: member-secretary@rpcb.nic.in |
| Manner for submission of Bids | http://eproc.rajasthan.gov.in |
| Website for downloading Bidding Document, Corrigendum's, Addendums etc. | https://sppp.rajasthan.gov.in/ http://www.environment.rajasthan.gov.in http://eproc.rajasthan.gov.in |
| End Date for submission of Bids i.e., Bid Submission Date | End Date: :14.10.2024 at 1500Hours |
| Date and Time of opening of Technical Bid | Date: :15.10.2024 at 1500Hours |
| Date and Time of opening of Financial Bid | Will be decided later |
| Language | This Bid Document has been issued in English language · Bids shall be submitted in English/ Hindi All correspondence exchange shall be in English/Hindi language |
| Bid Validity | 90 days from the bid submission deadline |
| Preparation of Bids | The Bids shall comprise of both Technical Bid & Financial Bids |

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Note:

- I. The Member Secretary (Procuring Authority), RSPCB, Jaipur reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all Bids at any time prior to award of contract, without assigning any reason.
- II. The detailed terms & conditions with specifications of equipment/instruments and bid document may be down loaded from website as mentioned above. The provisions of RTPP Act, 2012 & Rules, 2013, there to shall be applicable for this procurement, further move, in case of any inconsistency in any of the provision of these bidding documents with the RTPP Act 2012, & Rules 2013, there to the later shall prevail.

Member Secretary

- 1) The Bidding Documents can be downloaded from website: <http://eproc.rajasthan.gov.in> <https://sppp.rajasthan.gov.in> and <http://www.environment.rajasthan.gov.in> The document downloaded from the aforesaid website should not be tampered, and if any such tampering is detected before or after the opening of Bids, the bid shall be rejected and the Bidder shall be debarred for a period of 6 (six) months.
- 2) Bidder (through its Authorized Representative) shall submit their offer (the —Bid or—Proposal) online in electronic formats comprising of both Technical Bid and Financial Bid. Bid Document Fees, Tender Processing Fees and Bid Security should be deposited through Rajasthan State Pollution Control Board, "Payment Gateway Service on E-Procurement platform".
- 3) Bidder for additional details such as estimated cost, important date, detailed information, qualification and eligibility criteria, visit website: <http://eproc.rajasthan.gov.in>, <https://sppp.rajasthan.gov.in>
- 4) <http://www.environment.rajasthan.gov.in> However, bid is to be submitted only through the website <http://eproc.rajasthan.gov.in> or <https://sppp.rajasthan.gov.in>.
- 5) Any subsequent addendum/ corrigendum shall be published/ uploaded only on the website <http://eproc.rajasthan.gov.in> <https://sppp.rajasthan.gov.in/> or <http://www.environment.rajasthan.gov.in>. In case there is a holiday on the day of opening of Bids, activities assigned on that date shall be carried out on the next working day.
- 6) While electronically submitting the Bids, it should be ensured that the Bid Documents including Conditions of Contract are digitally signed by the Bidder.
- 7) For participating in the above e-tender, the Bidders shall have to get themselves registered on website <http://eproc.rajasthan.gov.in> <https://sppp.rajasthan.gov.in>, <http://www.environment.rajasthan.gov.in> and get User ID, password. Class 3 Digital Signatures Certificate (DSC) is mandatory to participate in the e-tendering process. For any clarification/ difficulty/ regarding e-tendering process Bidders can contact helpdesk on the phone numbers mentioned on the website.
- 8) The documents shall be prepared and scanned in different files and uploaded during online submission of the Bid.

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- 9) Rajasthan State Pollution Control Board will not be responsible for delay in online submission due to any reason. For this, Bidders are advised to upload their complete Bid well advance in time so as to avoid 11th hour issues like slow speed; choking of web site due to heavy load or any other unforeseen problems.
- 10) Bid documents consisting of qualification information and eligibility criterion of Bidders, plans, specifications, drawings and the set of terms & conditions of the Contract to be complied with by the Bidder can be seen on website <http://eproc.rajasthan.gov.in> <https://sppp.rajasthan.gov.in>,
- 11) <http://www.environment.rajasthan.gov.in> and scanned copies of the required documents and information as per this Tender Document should be attached in the Technical Bid.
- 12) Uploaded documents of valid successful Bidders will be verified with the original before signing the agreement, to be submitted prior to the date and time for Bid submission specified herein.
- 13) Bid(s) once submitted online cannot be resubmitted or withdrawn.
- 14) Conditional Bids, Bids without payment of Bid Security and Bids not meeting the qualifying criteria on the date of receipt of Bids shall be summarily rejected.
- 15) Rajasthan State Pollution Control Board i.e. Procuring Entity reserves the sole right to cancel the bid process and reject any or all of the Bids without assigning any reason.

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Instructions, terms and conditions for Supplying of 50IOT enabled Plastic Bottle Flaking Machines /Reverse Vending Machines for a period of 4 (four) years at 50 locations in Rajasthan.

1. Bidding Process:

- Rajasthan State Pollution Control Board has adopted online single stage two parts process involving Technical Bid and Financial Bids for selection of the Bidder for award of the Project (collectively referred to as the — Bidding Process). The first part involves technical qualification and short listing of the qualified Bidders who become eligible for opening of their Financial Bids
- The Bidding Document shall be uploaded on the e-procurement portal, along with the Notice Inviting Bids, <http://eproc.rajasthan.gov.in>, <https://sppp.rajasthan.gov.in> and <http://www.environment.rajasthan.gov.in>. However, bid is to be submitted only through the website <http://eproc.rajasthan.gov.in> or <https://sppp.rajasthan.gov.in>. The prospective Bidders may download the bidding document from the portal. The price of the Bidding Document and processing fee of e-bid shall have to be paid to Procuring Entity in the amount and manner as specified herein and e-procurement portal.
- Rajasthan State Pollution Control Board is not responsible for the completeness of the Bidding Document and its addenda, if they were not downloaded correctly from the e procurement portal or the State Public Procurement Portal.
- The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Document. Failure to furnish all information or authentic documentation required by the Bidding Document may result in the rejection of the Bid.

2. Eligibility Criteria:

- The bidder must be manufacturer of Plastic Bottle Flaking Machines /Reverse Vending Machines and must possess experience of supplying and providing operation & maintenance for Plastic Bottle Flaking Machines / Reverse Vending Machines for not less than 4 years. Only eligible bidders with a minimum of one similar completed works costing not less than Rs.50 lakh can participate.
- The bidder must be a registered legal entity company/ registered firm incorporated in India. Copies of incorporation certificate, Net pay, Balance Sheet, and Profit & Loss Account/Income tax return in the last 5 financial years (best of three) must be enclosed.
- Joint ventures/ consortiums and traders are not allowed.

3. Bidding Document:

Scanned copies of the required documents and information as per this Tender Document should be attached in the Technical Bid. The bid shall remain valid for a period of 90 days from the last date of receipt of opening of Bids. It must contain the following documents:

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- a) Technical Proposal Submission Sheet (Annexure C)
- b) Earnest money in the shape of NEFT/ RTGS/ DD/ BG for 2%.
- c) Tender document containing instructions, terms and conditions for supply of Plastic Bottle Flaking Machines /Reverse Vending Machines duly signed on each leaf by the bidder, along with documentary proof wherever required.
- d) Bidder Information Sheet (Annexure D)
- e) Bidder Qualification Sheet. (Annexure E)
- f) Authorization Certificate. (Annexure F)
- g) Technical specifications of the machine (Annexure A)
- h) Work completion certificate.
- i) CA Certificate/ Audited Balance Sheet. (Annexure G)
- j) Declaration for Blacklisting and authorization. (Annexure H)
- k) Details of technology and methods used in machine for bottle collection, its processing/ crushing & collection of flakes thereafter.
- l) Details of approximate manpower - technical and general / administrative that will be deployed on the job along with the capability of the firm / company to engage additional manpower as and when required at short notice.
- m) Financial Bid (BOQ) (Annexure I)

4. **Selection Criteria:**

All bidders shall submit documentary proof in support of meeting eligibility criteria. In the first stage of evaluation, a Proposal shall be rejected if it is found deficient as per the requirements of Tender Fee/ Bid Processing Fee/ eligibility for responsiveness of the proposal. Only responsive bids shall be further taken up for evaluation. Evaluation of the technical Bid will start first and at this stage the financial bid (proposal) will remain unopened. The Financial bids of all eligible & qualified bidders shall be opened. Before allotment of the work order, physical inspection may be carried out by the Rajasthan State Pollution Control Board of operating Machines installed as per the specification detailed under Annexure A & clauses mentioned in eligibility criteria.

5. **Scope of work of Bidder:**

- a) 50 IOT enabled Plastic Bottle Flaking Machines /Reverse Vending Machines as per technical specification attached (Annexure-A) to be installed in identified cities in Rajasthan attached (Annexure-B).
- b) Collection of PET bottle scrap/flakes generated from machine for recycling.
- c) Reward System for promotion of flaking/ vending machines (to be decided by RSPCB with successful bidder).
- d) Interactive response system including digital reward facility to user.
- e) Internet Connectivity to be provided in the machine.
- f) Annual Operation & Maintenance contract of machines for a period of 4 years.
- g) Providing of civil work for the construction of platform as well as a shelter shed for machine wherever necessary (for saving it from rain & sun).

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6. Interactive Response System:

- Machine shall send a customized message or coupon or rewards (which shall be sole responsibility of bidder) on the mobile against each PET bottle inserted, as desired by the authority. Company should have tie up for rewarding the user or to be customized as per Rajasthan State Pollution Control Board payable by the bidder.
- Machine shall have Video facility to play content duly approved by the competent authority of Rajasthan State Pollution Control Board with provision for modification of content on a regular basis as desired.
- The machine shall have at least 19" screen (display screen to play content as may be approved by RSPCB-advertisement & machine monitoring)

7. Annual operation and maintenance contract of machines for a period of 4 years:

- Deployment of technical team at each cluster (as per annexure B) for the said contract (additional labor, if required) for ensuring the running of all machines 24x7 and with timely repair of machines as well.
- Quarterly visit of company's technical team for checking the progress of each and every machine and submission of quarterly report to Rajasthan State Pollution Control Board.
- Regular blade sharpening & replacing of blades after specified time. Cost of the blade shall be borne by the bidder.
- Replacement warranty including replacement of spare parts as & when required to be borne by the bidder. The firm shall replace defective machine within warranty period.
- The bidder shall maintain the minimum inventory of spares for which the projection shall be made in advance for carrying out the maintenance work. Moreover, the service for fixing of all parts, nuts, bolts, screws, hangers (except cost of blade replacement) shall be borne by the Service provider
- Reports: Vendor will share two reports with Rajasthan State Pollution Control Board. (i) Number of bottles collected and processed into flakes through all the machines on monthly basis & (ii) a quarterly report on the performance functioning of all the machines duly certified by the vendor's inspection team.

8. Scope of work of Rajasthan State Pollution Control Board:

- Rajasthan State Pollution Control Board shall provide the requisite space for the machines and will also be responsible for its branding and creating awareness regarding plastic bottle waste issue and benefit of recycling.
- Rajasthan State Pollution Control Board shall identify the persons in each city to be trained for the operations of Plastic Bottle Flaking Machines /Reverse Vending Machines and the list shall be provided to the representative of vendor for providing professional training.
- Rajasthan State Pollution Control Board shall provide the Electricity connection for the machine. Rajasthan State Pollution Control Board shall provide details and NOC from concerning agency for the location for installation of machines.

9. General conditions:

- It shall be the responsibility of vendor to ensure flakes/crushed collection and final disposal to the highest level of contemporary rules and guidelines related to Mixed Plastic Waste Management as per State Pollution Control Board (SPCB) norms.

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- b) That the supply & installation of requisite machines at identified sites shall be completed within 03 months commencing as per the date mentioned in the Letter of Award & Agreement executed with Rajasthan State Pollution Control Board.
- c) The Member Secretary, Rajasthan State Pollution Control Board, Rajasthan reserves the right to accept or reject any one or all the tenders without assigning any reason thereof.
- d) The payment will be made to the bidder as per the payment schedule mentioned under the Payment Clause.
- e) That the firm shall have to deposit 5% amount of the purchase order as security deposit/Performance Guarantee in the form of FDR/Bank Guarantee pledged to Member secretary, Rajasthan State Pollution Control Board for supplying of requisite Plastic Bottle Flaking Machines /Reverse Vending Machines. The security deposit shall be forfeited if the bidder fails to supply, install & commission the IOT enabled Plastic Bottle Flaking Machines /Reverse Vending Machines within three months of the issuance of letter of award.
- f) The Firm shall fully comply with all applicable laws, rules and regulation relating to EPF/PF/CPF Act, minimum wages Act, Contract Labor Act, Workmen's Compensation Act and such other Acts or Laws, Regulations passed by Central, State and Local Govt. Agency or Authority from time to time.
- g) The Firm shall contribute and deduct equivalent amount towards Provident Fund from the basic wage of each worker provided by the Firm to Rajasthan State Pollution Control Board along with Statutory charges as may be prescribed from time to time as per law. Rajasthan State Pollution Control Board shall not be liable for any past liability or otherwise and no claim shall be made for the same by the Firm to the Rajasthan State Pollution Control Board in this regard. In addition to above, the Firm shall be under an obligation to produce receipt of EPF/PF/CPF deposit of all the workers provided by firm along with monthly bills submitted by it to Rajasthan State Pollution Control Board.
- h) That the work performance shall be continuously monitored and evaluated by one or more authorized Officers of Rajasthan State Pollution Control Board and the monthly report shall be submitted to Head Office, a copy of which shall be made available to the firm's representative also.
- i) The bidder shall sign each page of tender document in token of his/her acceptance of the terms and conditions of the contract.
- j) That contractor shall solely be liable for any costs, charges or expenses arising out of any claims or legal proceedings in connection with or relating to its operation / activities under this agreement. The Contractor shall be liable to indemnify and keep indemnified the Rajasthan State Pollution Control Board against any damages, compensation, costs, charges or expenses arising out of any claims or proceedings relating to its operations / activities.
- k) That Contractor shall be wholly and solely responsible for full compliance of its statutory obligations under the provisions of labor laws, environment or any other law relating to its operations / activities. No child labor shall be employed by the contractor.
- l) That the successful bidder shall make alternate arrangements immediately, in case its worker go on strike. If no such arrangements are made by the contractor, the contract is liable to be terminated without notice and the security deposit shall be forfeited.
- m) That contractor shall ensure that its employees / workforce maintain the sanctity and not indulge in any activity which is against the sanctity of the smart city. Staff of the contractor shall not indulge in smoking or consumption of liquor/alcohol or consumption of any non- vegetarian food articles. They shall maintain proper decorum and discipline, and ensure proper conduct in speech and dress. They shall also refrain from any other activity which might hurt the sentiments of pilgrims.

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- n) Detailed technical schedule for Plastic Bottle Flaking Machines /Reverse Vending Machines as per enclosed (Annexure A) in tender form should be followed.
- o) Machines procured shall be property of the Rajasthan State Pollution Control Board and will be maintained by contractor till the period of operation & maintenance and after that concerned agencies shall maintain them at their own cost with sufficient backup in case of any failure or breakdown.
- p) The bidder shall visit the sites& examine the availability of space in detail for execution of the work and deployment of machinery.

10. General Security restrictions:

- a) Labor huts/stay of workmen will not be allowed at site, however, deployment of technical team at each cluster (as per annexure B) for the said contract (additional labor, if required) for ensuring the running of all machines 24x7 and with timely repair of machines as well.
- b) After verification of antecedents, badges/Identity cards shall be issued to the staff by the contractor under the seal of the In-charge Rajasthan State Pollution Control Board or its official. The cost of same shall be borne by the contractor.
- c) As and when there will be security requirements certain additional restriction can be imposed as per the requirement of the situation.
- d) The contractor shall be responsible for behavior and conduct of his/her workers. No workman with doubtful integrity or having bad record shall be engaged by the contractor.

11. Payment Schedule:

The payment for supplying of requisite machines shall be made in three installments, detail of cost of machines which is as produced below:

- a) 65% payment shall be released after the receipt of requisite machines (with complete mechanical/electrical components) at designated place of installation as decided by RSPCB and the machines shall be duly checked and inspected by deputed official by RSPCB.
- b) Next 30% shall be released after the installation & commissioning of the machines at sites.
- c) Final payment of 5% shall be released after expiry of the defect liability period of 12 months from the date of handing over of the machines.
- d) Operation & Maintenance cost will be paid to the bidder at the end of each quarter of successful operations.

12. Penalty:

- a) In case of failure of the successful bidder to supply the machines after execution of agreement with Rajasthan State Pollution Control Board and installation & commissioning within the stipulated period, the following penalty shall be imposed upon delay i.e. (i) Up to30 days @ Rs.500/- per day, (ii) From 31-60 days @ Rs.1000/- per day, (iii) Beyond 60 days, the work order shall be deemed to have been cancelled automatically. In that case, the EMD & Performance Guarantee of the bidder shall stand forfeited in favor of Rajasthan State Pollution Control Board; debarring the firm for a period of 3(three) years for participating in Rajasthan State Pollution Control Board future NIT's and the work shall be carried out from some other alternative source/arrangement.
- b) All the complaints/escalations have to be attended with in 24 hour of lodging complaint in written or on portal/mobile number and final & complete rectification of the defect within 48 hours to be ensured failing which service provider shall be penalized to pay an amount Rs.200/-per day/per

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machine till the machine gets back in working condition per day to Rajasthan State Pollution Control Board. The penalty amount shall be deducted from the Annual Maintenance Charges.

13. Validity of the offer:

The offer should be valid for a period of 90 days from the specified date of opening of the tenders.

14. Right of Acceptance:

- The competent authority of Rajasthan State Pollution Control Board does not bind itself / himself to accept the lowest or any tender in full and reserves the right of accepting the whole or any part of the tender or portion of the quantity offered and the bidder shall provide supply of the same at quoted rates.
- The competent authority of Rajasthan State Pollution Control Board may split the work among the two qualified bidders for speedy completion of the works, if required, on the lowest rate offered by the L-1 bidder.

15. Pre-bid Query:

Prebid meeting date on: 27.09.2024 or a pre-bid query can only be sent through e mail on email on member-secretary@rpcb.nic.in. Rajasthan State Pollution Control Board reserves the right to modify the terms & conditions of NIT based on query and revert on email to the bidder.

Queries may be addressed to:

Member Secretary
Rajasthan State Pollution Control Board
Ph: Headquarter, 4, Institutional Area, Jhalana Doongri, Jaipur-302004
Phone: 0141- 2716804, 2716800.

16. Execution of Agreement:

The successful Bidders shall be required to execute an agreement on a valid stamped paper of Rs. 500/- for strict compliance of the terms and conditions of the contract, vis-à-vis the NIT and work order within a period of Fifteen (15) days after work placement of LOA. The bidder shall bear the legal expenses, which shall be incurred on the execution of the agreement.

17. Arbitration:

All disputes and differences between the parties hereto including the interpretation of the terms and conditions herein, any other stipulation of the tender notice or any deed executed hereafter shall be referred to the sole arbitration of the person to be nominated and appointed by the Chairperson, Rajasthan State Pollution Control Board, whose decision shall be final and binding upon the parties to this agreement. The place of arbitration shall be Jaipur; Rajasthan only shall have the jurisdiction to entertain any legal proceeding arising out of this contract.

18. Rights of RSPCB in respect of the BID:

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- a) RSPCB reserves the right to accept or reject any bid without assigning any reason.
- b) RSPCB reserves the right to modify terms and conditions of the contract which shall be granted to the successful bidder after the bidding process, if in the opinion of the RSPCB, it is necessary or expedient to do so in public interest. The decision of the RSPCB shall be final and binding in this regard.
- c) RSPCB reserves the right to suspend and/or cancel the contract with the successful bidder party in part or in whole at any time if in the opinion of the RSPCB, it is necessary or expedient in the public interest. The decision of the RSPCB shall be final and binding in this regard. Also, RSPCB shall not be responsible for any damage or loss caused or arising out of aforesaid action.
- d) RSPCB reserves the right of dividing quantities among more than one bidder at the time of award the order as per RTPP rule no. 74.
- e) RSPCB reserve the right of imposing bank guarantee in case of imbalance the bid amount as per RTPP rules.

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Annexure – A

Technical Specifications-IOT enabled Plastic Bottle Flaking Machines /Reverse Vending Machines

| S.No. | Parameter | Specification | Remarks |
|-------|-------------------------------------|--|--|
| 1 | Machine Dimension (External) | Machine Dimension (External) Range: Height: 1500mm to 2000 mm Width: 600mm to 900mm Length: 800mm to 1150mm | Body safety lock (lock to be given for both door and mouth/opening) |
| 2 | | Machine Weight Range: 350kg to 400 kg | |
| 3 | | Processing Capacity 1. Minimum 500 bottles per hour | |
| 4 | | Display 1. Minimum 19” branded Screen OR Keypad with embedded system 2. Display visibility should be clear in day and night | Fully customizable display |
| 5 | | User Interface (UI) a. Display Language: Hindi and English b. Instruction to operate the machine on User Interface c. UI shall display movie, pictures and messages | User friendly with instructions |
| 6 | | Size & type of bottle for feeding Up to 2500ML bottle of PET/Plastics only | Provision such that no metal, other material, bottles with considerable liquid can be fed |
| 7 | | Window in Bottom 300x300 mm | |
| 8 | Machine internal features | Motor Connection 2/3 HP – Crompton/Havells 2.2 KVA | <ul style="list-style-type: none">• Volume reduction 85%• less power consumption• Avg. noise level of 85 dB. for operator/user |
| 9 | | Blade (For Shredder only) HCHC/D2 Blade – Single Shaft 3 Rotary & 2 Fixed (with chrome plating) | Rotary blade should be removable for maintenance |
| 10 | | Compactor With chrome plating | Two Rotary Rollers for Compactor |
| 11 | | Black Box (Shredder / Compactor) With chrome plating | |
| 12 | | Anti-Jamming System Machine should use anti-jamming technology to auto resolve the | |

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved



Rajasthan State Pollution Control Board

Headquarter, 4, Institutional Area, JhalanaDoongri, Jaipur-302004
Phone :0141-27168049,2716800 e-mail : member-secretary@rpcb.nic.in



HelpLineNo. : 0141-2716877

| | | | | |
|----|-------------------------------------|---------------------|---|---|
| | | | jamming problem | |
| 13 | | Hopper | Specially designed hopper to absorb upto 2000 ml bottle standing | |
| 14 | | Starter | L & T | |
| 15 | | Limit Switch | Ensure auto starts of machine | |
| 16 | | Safety Switch | All door attached with safety switch to prevent any accident | |
| 17 | | Wall | Insulated inside to absorb noise of machine | |
| 18 | | Flap + Limit Switch | Regulate machine: start/stop – micro hybrid | |
| 19 | | Filter | To manage the size of flakes | |
| 20 | | Flake Size | 10x16 mm | |
| 21 | Storage Bin | Capacity | Minimum 15 kg Minimum 800 bottles of different sizes Minimum 500 ltr. | |
| 22 | | Body | MS and Acrylic window roller in bottom for free movement | |
| 23 | Minimum Software Requirement | Dashboard | <ul style="list-style-type: none"> Daily /Weekly/Monthly status Status of Storage Bin Fullness - Errors in Machines Location wise filters | Cloud based admin dashboard to provide log of machines, bottles, users, glitches, errors, weight collected and data of different types of bottles |
| 24 | | Machine Management | <ul style="list-style-type: none"> Upload informatics data to sync on machine Update reward mechanism Update Message | |
| 25 | | Transaction Table | <ul style="list-style-type: none"> Transaction ID Machine ID Mobile Number No. of Bottles Bottle Image Rejection Reason | |
| 26 | Control Panel | Panel type | Microprocessor chips inside with SIM based model | |
| 27 | | Internet connection | SIM based / Wifi | |
| 28 | | | <ul style="list-style-type: none"> Conveyor to carry the bottle | |

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| | | | | |
|----|--------------------------|---|---|--|
| | Technology | Bottle Recognition | <ul style="list-style-type: none">• 360-degree AI based image recognition system (Barcode Scanning System/ Image Capture using camera)• Weight Sensor to check empty bottles• Material Identification System | |
| 29 | Reward Redemption | Option | <ul style="list-style-type: none">• Mobile application with easy user interface for total reward points, history of reward points, redeem reward point, user profile etc.• SMS based notification | |
| 30 | Reward Scheme | Decided by the RSPCB with successful bidder | | |

Signature valid

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Annexure – B

| PROBABLE LOCATIONS FOR INSTALLATION OF REVERSE VENDING MACHINES. | | | |
|--|---------------------------------|------------------|--|
| S.No | Name of Clusters | No. of Locations | Name of Locations |
| 1 | Ajmer | 5 | Pushkar, Anasagar Lake, Ajmer Sharif Dargah, Soniji ki Nasiyan, Kishangarh Dumping Yard |
| 2 | Alwar, Bharatpur | 5 | Sariska Safari, Alwar Railway Station, Bharatpur Railway Station, Keoladeo National Park, Lohagarh Fort |
| 3 | Jaipur | 12 | Sambhar Lake Town, Ram Niwas Bagh, Nahagarh Zoo, Jhalana Safari Park, Birla Mandir, Jawahar Circle, Jal Mahal, Amber Palace, Hawa Mahal, Jaigarh Fort, Albert Hall, Smriti Van |
| 4 | Jodhpur, Bikaner | 8 | Mehrangarh Fort, Umaid Bhawan, Mandore Garden, Kaylana Lake, Jaswant Thada, Toorji ka Jhalara, Junagarh Fort, Karni Mata Temple |
| 5 | Kota | 5 | Chambal River Front, Railway Station, Seven Wonders Park, Kishore Sagar, Khade Ganesh ji Temple. |
| 6 | Sikar, Jhunjhunu | 5 | Khatu Shyam ji Mandir, Salasar Balaji, Laxmangarh Fort, Rani Sati Mandir, Sone Chandi ki Haveli, |
| 7 | Udaipur, Chittorgarh, Rajsamand | 10 | Pichola Lake, Fateh Sagar, Sajjangarh Fort, Jaisamand Lake, Jagdish Temple, Saheliyon ki Bari, Chittorgarh Fort, Nathdwara, Kumbhalgarh Fort, Rana Kumbha Palace |
| Total = 50 | | | |

Note:

Finalization of the above locations in these cities is subject to approval accorded from the competent authorities and expenditure in case of any change in location is liable on the part of the bidder.

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved



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Annexure – C

Technical Proposal Submission Sheet

Date:
Notice Inviting Tenders No.:

To:
Member Secretary,
Rajasthan State Pollution Control Board,
Jaipur.

We, the undersigned, declare that:

- We have examined and have no reservations to the Bidding Document, including Addenda No.:
- We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in Section V, Schedule of Supply, the following Goods and Related Services:
- Our Bid shall be valid for a period of 90 days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- If our Bid is accepted, we commit to obtain a Performance Security in the amount of 5% percent of the Contract Price for the due performance of the Contract;
- Our firm, including any subcontractors or bidders for any part of the Contract, have nationalities from the following eligible countries;
- We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Document;
- We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
- We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name

In the capacity of:

Duly authorized to sign the Bid for and on behalf of

Date _____

Signed Duly authorized to sign the Bid for and on behalf of _____ Date _____

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved



Rajasthan State Pollution Control Board

Headquarter, 4, Institutional Area, JhalanaDoongri, Jaipur-302004
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Annexure – D

Bidder's Information Sheet

Date:

Notice Inviting Tenders No.:

| Bidder's Information | |
|---|--|
| Bidder's legal name | |
| Bidder's year of constitution | |
| Bidder's legal address | |
| Bidder's authorized representative (name, address, telephone numbers, fax numbers, e-mail address) | |
| PAN | |
| GSTIN | |

Name

In the capacity of:

Duly authorized to sign the Bid for and on behalf of

Date _____

Signed Duly authorized to sign the Bid for and on behalf of _____ Date _____

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
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Annexure – E

Bidder's Qualification

To establish its qualifications to perform the contract in accordance with Clause 2 (Eligibility criteria) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

| Description of the similarity in accordance with Clause 2 (Eligibility Criteria) | |
|--|--|
| <ol style="list-style-type: none">1. The bidder must be manufacturer of Plastic Bottle Flaking Machines /Reverse Vending Machines and must possess experience of supplying and providing operation & maintenance for Plastic Bottle Flaking Machines / Reverse Vending Machines for not less than 4 years. Only eligible bidders with a minimum of one similar completed works costing not less than Rs.50 lakh can participate.2. ii. The bidder must be a registered legal entity company/ registered firm incorporated in India. Copies of incorporation certificate, Net pay, Balance Sheet, and Profit & Loss Account/Income tax return in the last 5 financial years (best of three) must be enclosed.3. iii. Joint ventures/ consortiums and traders are not allowed. | |

Name

In the capacity of:

Duly authorized to sign the Bid for and on behalf of

Date _____

Signed Duly authorized to sign the Bid for and on behalf of _____ Date _____

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved



Rajasthan State Pollution Control Board

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Annexure – F

AUTHORIZATION CERTIFICATE

(On letter head)

I/ We, M/s..... authorize the following Representative to sign and submit the Bid, negotiate terms and conditions for the Contract, to sign the Contract, to deal with the RSPCB, to issue and receive correspondence related to all matters of the tender pertaining to— **Design, Supply, Testing, Commissioning and Operationalizing of IOT enabled Plastic Bottle Flaking Machines /Reverse Vending Machines for managing PET bottle waste for a period of 4 (Four) years at 50 locations in Rajasthan**”.

We/M/s (the—**Bidder**) undertake the responsibility due to Any acts of the representative appointed hereby.

For Partnership Firm’s

| S.No. | Name of the All Partner | Signature of Partner with Seal |
|-------|---|--------------------------------|
| | | |
| | | |
| | Name and Designation of the person Authorized | |
| | Attested Signature of the Authorized Representative | |

For Limited Firm’s/Company

| | | |
|---|---|--|
| 1 | Name and Designation of the person Authorized | |
| 2 | Name of the Firm | |
| 3 | Address | |
| 4 | Telephone No. & Fax No. | |
| 5 | Name and Designation of the person Authorized | |
| 6 | Attested Signature of the Authorized Representative | |

(Sign)
Name :
Designation :

Signature valid

Digitally signed by N. V. Jai
Designation : Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved



Rajasthan State Pollution Control Board

Headquarter, 4, Institutional Area, JhalanaDoongri, Jaipur-302004
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Annexure – G

CA Certificate/ Audited Balance Sheet (Duly Certified by Chartered Accountant with UDIN No.)

Date:
Notice Inviting Tenders No.:

To,

Member Secretary,
Rajasthan State Pollution Control Board
Jaipur.

Sir/ Madam,

I hereby declare that our firm's Average Annual Turnover and Net Worth are as follows. The Statutory Auditor's certificate is attached for your reference.

| Financial Year (best three) | Annual Turnover (In Rs.) |
|-----------------------------|--------------------------|
| F. Y. 2019-20: | |
| F. Y. 2020-21: | |
| F. Y. 2021-22: | |
| F. Y. 2022-23: | |
| F. Y. 2023-24: | |
| Average: | |

CA Certified letter

Supporting document should be 1. Balance sheet. 2. Latest ITR 3. Profit and loss statement

Name

In the capacity of:

Duly authorized to sign the Bid for and on behalf of

Date _____

Signed Duly authorized to sign the Bid for and on behalf of _____ Date _____

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved



Rajasthan State Pollution Control Board

Headquarter, 4, Institutional Area, JhalanaDoongri, Jaipur-302004
Phone :0141-27168049,2716800 e-mail : member-secretary@rpcb.nic.in
HelpLineNo. : 0141-2716877



Annexure – H

Declaration for Blacklisting and Authorization

Date:
Notice Inviting Tenders No.:

To,

Member Secretary,
Rajasthan State Pollution Control Board
Jaipur.

Sir/ Madam,

I/ We have carefully gone through the Terms & Conditions mentioned in the referred Bid Document. I/ We hereby declare that my Company / Firm/ any Director/ Partner etc. is not debarred/ blacklisted by any State Government / Central Government / PSU / Government Authority in India as on the Bid Submission Date.

Or

I declare the following:

| S. No. | Blacklisted / debarred by State Government / Central Government / PSU / Government Authority in India | Reason | Date on which blacklisting/ debarment notification was issued |
|--------|---|--------|---|
| | | | |
| | | | |
| | | | |

(NOTE: In case the Company/ Firm/ Director/ Partner was blacklisted/ debarred previously, please provide the details regarding the Period for which the company / firm was blacklisted/ debarred and the reason/s for the same)

Name

In the capacity of:

Duly authorized to sign the Bid for and on behalf of

Date _____

Signed Duly authorized to sign the Bid for and on behalf of _____ Date _____

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved



Rajasthan State Pollution Control Board

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Phone :0141-27168049,2716800 e-mail : member-secretary@rpcb.nic.in
HelpLineNo. : 0141-2716877



Annexure – I

Financial Bid (BOQ)

Date:
Notice Inviting Tenders No.:

To,

Member Secretary,
Rajasthan State Pollution Control Board
Jaipur.

| S. No. | Description | Rate | Qty | Value |
|--------|---|------|-----|-------|
| 1 | 50 IOT enabled Plastic BottleFlaking Machines /Reverse Vending Machines | | | |
| 2 | Annual Maintenance Charges (4 years) | | | |
| 3 | Tax @ 18% | | | |
| | Total | | | |

Total Value (in Words): Rs /-

Name

In the capacity of:

Duly authorized to sign the Bid for and on behalf of

Date _____

Signed Duly authorized to sign the Bid for and on behalf of _____ Date _____

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2024.09.13 19:52:35 IST
Reason: Approved