

**Amendment - 01 to RFP-110-IND-2021**  
**October 07, 2021**

**“Supply, Installation and Operation & Maintenance of Reverse Vending Machines”**

Dear Bidders,

The following additions / amendments are hereby made to the RFP document “Supply, Installation and Operation & Maintenance of Reverse Vending Machine”.

**Delivery Location:**

| <b><u>Location</u></b>                      | <b><u>Quantity (Nos.)</u></b> |
|---|-------------------------------|
| Ahmedabad Airport/ municipality area        | 2                             |
| Ahmedabad Railway Station/municipality area | 2                             |
| Gandhinagar Govt office                     | 2                             |
| Rajkot and/or Jamnagar Airport              | 2                             |
| Statue of Unity (Kevadia)                   | 2                             |

**Functional Demonstration of the quoted model:**

As part of the technical evaluation of bids, functional demonstration of offered equipment model shall be called for by the Purchaser, but the result / outcome thereof shall not be taken as the sole or conclusive evidence of qualification of the bid. Further, all expenses and risks related to such demonstration shall be borne by the bidder. Functional demonstration of the equipment is purely at the discretion of the Bid Evaluation Committee and its input shall be treated as supplementary / corroborative in nature and will not be a substitute for technical evaluation of the document submitted along with the bid.

**The format of Financial Offer stands modified, and the revised format is provided in Annexure-A.**

**Under Annex-1, Instructions to Bidders of the RFQ document, modifications are made in the Evaluation Criteria and is attached as Annexure-B.**

**Under Annex-2, Technical Specifications of the RFQ document, modifications are made and is attached as Annexure-C.**

**Payment Terms stands modified and is attached as Annexure-D.**

All other terms and conditions of the RFP document, except as amended herein above, remain unaltered.

Procurement Unit, UNDP India

United Nations Development Programme, 55 Lodi Estate, New Delhi – 110 003.

Email ID: [manikandan.srinivasan@undp.org](mailto:manikandan.srinivasan@undp.org)



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## **Annexure-A**

### **Financial Offer (revised)**

***[This Form must be submitted only using the Supplier's Official Letterhead/Stationery]***

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ Reference No.:

**CURRENCY:**

| S. No. (a) | BRIEF DESCRIPTION OF GOODS (b)   | QTY (in Nos.) (c) | CURRENCY (d) | MAKE & MODEL (e) | UNIT PRICE DAP (Incoterm 2010) FINAL DESTINATION (all inclusive) (f) | TOTAL PRICE DAP (Incoterm 2010) FINAL DESTINATION (all inclusive) (g) = (c) x (f) |
|------------|--|-------------------|--------------|------------------|--|---|
| 1.         | Supply of RVM  | 10                |              |                  |  |   |
| 2.         | Installation, Training and Commissioning Charges                                       |                   |              |                  |  |   |
| 3.         | Safety structure / weather shed  |                   |              |                  |  |   |
| 4.         | 2 years Operation and Maintenance  |                   |              |                  |  |   |
| 5.         | Any other cost, if any   |                   |              |                  |  |   |
|            | Duty/ Tax (Nature and amount of each tax / duty component should be clearly specified) |                   |              |                  |  |   |
| Total      |  |                   |              |                  |  |   |

PROVIDED THAT A PURCHASE ORDER IS ISSUED BY UNDP **WITHIN THE REQUIRED BID VALIDITY PERIOD**, THE UNDERSIGNED HEREBY COMMITS, SUBJECT TO THE TERMS OF SUCH PURCHASE ORDER, TO FURNISH ANY OR ALL ITEMS AT THE PRICES OFFERED AND TO DELIVER SAME TO THE DESIGNATED POINT(S) WITHIN THE DELIVERY TIME STATED IN ANNEXURE-1 & 2.

*Exact name and address of company*

COMPANY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE NO. \_\_\_\_\_ FAX NO. \_\_\_\_\_

EMAIL ADDRESS OF CONTACT PERSON \_\_\_\_\_

OTHER EMAIL ADDRESSES \_\_\_\_\_

**AUTHORIZED SIGNATURE**

**DATE**

NAME OF AUTHORIZED SIGNATORY (TYPE OR PRINT)

FUNCTIONAL TITLE OF SIGNATORY

WEB SITE \_\_\_\_\_

***NOTE: Quoted price must be inclusive of all costs necessary to supply the items, including delivery, warranty, transport cost, insurance, materials, installation, training and commissioning etc.***

<sup>1</sup>No deletion or modification may be made in this form. Any such deletion or modification may lead to the rejection of the Bid.

## Annexure-B

### The following is modified under the Instruction to Bidders

| S. No. |                           | Existing   | Revised  |
|--------|---------------------------|--|--|
| 13.    | Documents to be submitted | Company Profile, which should <u>not</u> exceed ten (10) pages;  | Company Profile, which should <u>not</u> exceed ten (10) pages;  |
|        |                           | Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1;   | Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1;   |
|        |                           | Duly completed Annex 3 (Price Schedule);   | Duly completed Annex 3 (Price Schedule);   |
|        |                           | Latest Business Registration Certificate;<br><input checked="" type="checkbox"/> Manufacturer's Authorization of the company as a Sales Agent (if Supplier is not the manufacturer);   | Latest Business Registration Certificate;<br><input checked="" type="checkbox"/> Manufacturer's Authorization of the company as a Sales Agent (if Supplier is not the manufacturer);   |
|        |                           | Descriptive Literature: Bidders shall provide full technical details of product being offered, including technical sheets and pictures showing details and general views. Specific details of items offered should be clearly stated as standard catalogues may offer options. | Descriptive Literature: Bidders shall provide full technical details of product being offered, including technical sheets and pictures showing details and general views. Specific details of items offered should be clearly stated as standard catalogues may offer options. |
|        |                           | Documents showing that the supplier has executed at least one similarwork – <u>proof of purchase/work order is to be submitted.</u>  | Documents showing that the supplier has executed at least one similarwork – <u>proof of purchase/work order is to be submitted.</u>  |
|        |                           | Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;   | Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;   |
|        |                           | -  | Written Self-Declaration of not being blacklisted by any Govt/Non Govt Agencies in Gujarat.  |

| S. No. |  | Existing  | Revised  |
|--------|--|---|--|
| 16.    | Criteria for the Award and Evaluation of Bid | <p><b><u>Award and Evaluation Criteria:</u></b></p> <ul style="list-style-type: none"> <li>☑ Lowest price offers of technically qualified/ responsive Bid on the detailed contents of the Annexure 1 and 2.</li> <li>☑ Full acceptance of the “General Terms and Conditions (Annex 4)” of the RFQ.</li> <li>☑ Compliance on the following requirements: <ul style="list-style-type: none"> <li>• Certification of incorporation of the Bidder. Legal Status, place of registration and principal place of business of the company or firm or partnership etc.</li> <li>• Compliance on the Technical requirements as per Annex 2</li> <li>• Documents related to previous experience.</li> </ul> </li> </ul> <p><b><u>NOTE :</u></b><br/> <u>Non-acceptance of the UNDP’s General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.</u></p> | <p><b><u>Award and Evaluation Criteria:</u></b></p> <ul style="list-style-type: none"> <li>☑ <b>Technically qualified/ responsive Bidder to arrange for a sample Product Demo before award of the contract</b></li> <li>☑ Lowest price offers of technically qualified/ responsive Bid on the detailed contents of the Annexure 1 and 2.</li> <li>☑ Full acceptance of the “General Terms and Conditions (Annex 4)” of the RFQ.</li> <li>☑ Compliance on the following requirements: <ul style="list-style-type: none"> <li>• Certification of incorporation of the Bidder. Legal Status, place of registration and principal place of business of the company or firm or partnership etc.</li> <li>• Compliance on the Technical requirements as per Annex 2</li> <li>• Documents related to previous experience.</li> </ul> </li> </ul> <p><b><u>NOTE :</u></b><br/> <u>Non-acceptance of the UNDP’s General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.</u></p> |

## Annexure-C

**Under Annex-2, Technical Specifications of the RFQ document, the following modifications are made which are highlighted.**

### Features

| Supply, Installation and Operation & Maintenance of Reverse Vending Machine |   |  |
|---|---|--|
|   | Existing  | Revised  |
| S. No.  | Features of RVM   |  |
| 1   | RVM should have IoT enabled, and cloud connected having all possible reports to be generated                      | RVM should have IoT enabled, and cloud connected having all possible reports to be generated   |
| 2   | User interface to be multilingual along with supporting local language  | User interface to be multilingual along with supporting local language   |
| 3   | Remotely controllable through cloud   | Remotely controllable through cloud  |
| 4   | It should have two inlets and two separate sufficiently large bins to hold at least 2000 PET bottles or 3000 cans | It should have two inlets and two separate sufficiently large bins to hold at least 2000 PET bottles or 3000 cans with bin capacity of upto 200 Liters |
| 5   | It should be able reduce volume on site and should generate as less noise as possible                             | It should be able reduce volume on site and should generate as less noise as possible  |
| 6   | It should be able to generate coupons either as printed one or electronic copy                                    | It should be able to generate coupons either as printed one or electronic copy   |
| 7   | Easily transferable   | Easily transferable  |
| 8   | Support for LAN/Wi-Fi/3G/4G/5G networks   | Support for LAN/Wi-Fi/3G/4G/5G networks  |
| 9   | Clearing all safety standards as applicable   | Clearing all safety standards as applicable  |
| 10  | Automatic (preferred) or semi-automatic (in operations)   | Only Automatic Machine required  |
| O&M Requirement   |   |  |
| 11  | Day to day operation, material handling, coupon disbursement, safety and insurance of RVM for a period of 2 years | Day to day operation, material handling, coupon disbursement, safety and insurance of RVM for a period of 2 years.                                     |

## Specifications

| Supply, Installation and Operation & Maintenance of Reverse Vending Machine |   |  |
|---|---|--|
| S. No.  | PARTICULAR  |  |
| BODY & STORAGE  |   |  |
| 1   | The RVM should be able to accept, crush and store at least of 2000 units. | The RVM should be able to accept, crush only and not shredded and store at least of 2000 units.                  |
| 2   | 2 Bins should be provided, and It should collect:                         | 2 Bins should be provided, and It should collect:  |
|   | a) PET/Cans   | a) PET/Cans  |
|   | b) Multilayer Packaging   | b) Multilayer Packaging  |
| 3   | Maximum intake size of single unit should be:                             | Maximum intake size of single unit should be:  |
|   | a) 2.5 Lt for PET   | a) 2.0 Lt for PET  |
|   | b) 500 ml for Cans  | b) 500 ml for Cans   |
| 4   | The body of the RVM   | The body of the RVM  |
|   | MS Powder Coated Frame structure  | MS Powder Coated Frame structure   |
|   | MS Powder Coated Body   | MS Powder Coated Body  |
| Motor   |   |  |
| 4   | Minimum Motor Rating:   | Minimum Motor Rating:  |
|   | 2 HP  | a) 2 HP  |
|   | 1400 RPM  | b) 1400 RPM  |
| 5   | Crushing Capacity should be at least 0.6                                  | Crushing Capacity should be at least 0.6, ie volume should reduce upto 60 %                                      |
| 6   | Noise < 65 db   | Noise < 65 db  |
| 7   | Minimum Speed : 90 pieces/hr  | Minimum Speed : 90 pieces/hr   |
| ELECTRICAL  |   |  |
| 6   | Power Supply specification:   | Power Supply specification:  |
|   | a) 220-230 V, 50Hz  | a) 220-230 V, 50Hz   |
|   | b) Minimum 1.5kW  | b) Minimum 1.5kW   |
| 7   | Power Supply protection Features  | Power Supply protection Features   |
|   | a) Surge Protection   | a) Surge Protection  |
|   | b) Spike Protection   | b) Spike Protection  |
|   | c) Auto Cutoff in case of:  | c) Auto Cutoff in case of:   |
|   | i) Overload   | i) Overload  |
|   | ii) Overheat  | ii) Overheat   |
|   | iii) Short-circuit  | iii) Short-circuit   |
| 8   | Power Backup for Electronics: at least 30mins                             | Power Backup for Electronics: at least 30mins, Not required for electricals like motors etc                      |
| ELECTRONICS   |   |  |
| 9   | Minimum 20” Touch IPS Display   | A range of 16 to 20 inch touchscreen display. Should be industrial grade, capacitive/resistive touch LCD display |

|                         |  |   |
|-------------------------|--|---|
| 10                      | Printer  | Printer   |
| 11                      | Modem for internet Connectivity                                      | Modem for internet Connectivity   |
|                         | OR   | OR  |
|                         | GSM Module for Cellular Connectivity                                 | GSM Module for Cellular Connectivity  |
| 12                      | Microcontroller Platform: Raspberry pi or equivalent                 | Microcontroller Platform: Raspberry pi or equivalent  |
| RVM BODY                |  |   |
| 13                      | Dimension: In compliance to specified capacity.                      | Dimension: In compliance to specified capacity.   |
| 14                      | Weight : < 450Kgs (preferred)  | Weight : < 450Kgs (preferred)   |
| 15                      | Wheel Support  | Wheel Support   |
| INTERNET OF THINGS      |  |   |
| 16                      | All RVM's can be controlled via single platform                      | All RVM's can be controlled via single platform   |
| 17                      | Data to be collected:  | Data to be collected:   |
|                         | a) 24 Hrs. bin status  | a) 24 Hrs. bin status: should provide at least two alert one when bin is 80% filled and other at 100%.  |
|                         | b) Intake Vs time graph  | b) Intake Vs time graph   |
|                         | c) Consumer Details  | c) Consumer Details   |
|                         | d) Coupon Dispatch details   | d) Coupon Dispatch details  |
|                         | e) Photo of intake (optional)  | e) Photo of intake (optional)   |
|                         | f) Email/SMS alert for full status                                   | f) Email/SMS alert for full status  |
|                         | g) Local Alarm for Full Status                                       | g) Local Alarm for Full Status  |
|                         | h) Fraud Alert (Items other than PET bottle/Cans should be rejected) | h) Fraud Alert (Items other than PET bottle/Cans should be rejected)  |
|                         | i) Real time Failure Report  | i) Real time Failure Report   |
|                         | j) Problem detected Report   | j) Problem detected Report  |
|                         | k) On time, off time Report  | k) On time, off time Report   |
|                         | l) Customer Feedback   | l) Customer Feedback  |
| OPERATION & MAINTENANCE |  |   |
| 18                      | Day to day operation schedule  | Day to day operation schedule   |
| 19                      | RVM maintenance and break down support                               | RVM maintenance and break down support  |
| 20                      | Print & E-Coupon Support (SMS)                                       | Print & E-Coupon Support (SMS); both mandatory  |
| 21                      | Coupon Value should be as per Intake Unit Size.                      | Coupon Value should be as per Intake Unit Size.   |
| 22                      | Periodicity of emptying the Bin                                      | Periodicity of emptying the Bin   |
| 23                      | Manpower of emptying Bins and other day to day maintenance           | Manpower of emptying Bins and other day to day maintenance  |
| 24                      | Manpower for Yearly Maintenance                                      | Manpower for Yearly Maintenance   |
| 25                      | Body Protection while Installation and after commissioning           | Body Protection while Installation and after commissioning  |
| 26                      | Periodic Data sharing mechanism                                      | Periodic Data sharing mechanism: The entire data should be available on server, dashboard should have all data readily accessible and downloadable at any |

|    |  |  |
|----|--|--|
|    |  | point of time by UNDP Administrators                                 |
|    | MISCELLANEOUS                                      |  |
| 26 | On Screen/On Body Instruction Language Support:    | On Screen/On Body Instruction Language Support:                      |
|    | a) Hindi   | a) Hindi   |
|    | b) English   | b) English   |
|    | c) Regional Local Language (Gujarati)              | c) Regional Local Language (Gujarati)                                |
|    | d) 1 year warranty after installation of goods     | d) 1 year warranty after installation of goods                       |
|    | e) Training on Operations and Maintenance Required | e) Training on Operations and Maintenance Required                   |
|    |  | f) Cage for safety of RVM kept in open spaces only                   |
|    |  | g) Weather shield, foundation work for RVM place in open spaces only |
| 27 | Any other component / Remarks                      | Any other component / Remarks  |





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## **Annexure-D**

### **Payment Terms:**

- \* On supply of RVM and submission of **Consignee Acceptance Certificate (Form A)** – payment for cost of machine will be paid.
- \* Installation, Training and Commissioning, and safety structure/ weather shed Charges will be paid on submission of successful installation and submission of **Satisfactory Installation & Commissioning Certificate (Form B)**.
- \* Operation and maintenance charges will be paid on half yearly basis.

### **Terms and Conditions:**

1. Supply and Commissioning within 60 days from issuance of Purchase Order / Contract
2. The rates shall include for all costs associated with the supply.
3. The supplier will be responsible for protection of materials, property and equipment before successful delivery, installation.
4. The supplier will be responsible for proper operation and maintenance for a period of 2 years including insurance of the machinery for the contract period.

*Note: Form A and Form B attached below.*



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**FORM A: "CONSIGNEE ACCEPTANCE CERTIFICATE"**

(To be given by consignee's authorized representative)

The following goods have been received.

1. Name of the item supplied (with Make & Model) :-
2. Purchase Order/Contract No :-
3. Name of the Supplier:-
4. No. of Units supplied:-
5. Place of destination:-
6. Invoice No. & Date:-
7. Name and Address of the Consignee:-
8. Date of receipt by the Consignee:-

The undersigned hereby certifies that the aforesaid goods have been received in good working condition and accepted.

Signature\_\_\_\_\_

Name\_\_\_\_\_

Designation with stamp\_\_\_\_\_

Date\_\_\_\_\_

Countersigned by:

Signature\_\_\_\_\_

Name\_\_\_\_\_

Date\_\_\_\_\_

NOTE This certificate is to be filled up and issued by authorized representative of the consignee and is to be duly stamped and countersigned by the supervisor.



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**FORM B: SATISFACTORY INSTALLATION & COMMISSIONING CERTIFICATE**

This is to certify that the goods as detailed below have been satisfactorily installed and commissioned and training provided in respect of their operational use:

- a) Purchase Order/ Contact No:\_\_\_\_\_ date \_\_\_\_\_
- b) Description of the machine (with make & model no.):\_\_\_\_\_
- c) Batch/Serial Number(s) of the goods:\_\_\_\_\_
- d) Quantity:\_\_\_\_\_
- e) Name of the consignee:\_\_\_\_\_

The supplier has fulfilled his contractual obligation with regard to the following services:

- a) Satisfactory Installation, Performance and commissioning/start-up of machinery.
- b) Furnishing of tools required for assembly and / or maintenance of the .....  
.....  
.....(Enter name of machinery with make & model)
- c) Furnishing detailed operation and maintenance manual for each item of supply at each location.
- d) Training of the operators/users in operating the equipment to the satisfaction of the consignee.

Signature\_\_\_\_\_

Name\_\_\_\_\_

Designation with stamp\_\_\_\_\_

Date\_\_\_\_\_

Countersigned by:

Signature\_\_\_\_\_

Name\_\_\_\_\_

Date\_\_\_\_\_

NOTE This certificate is to be filled up and issued by representative of the consignee and is to be duly stamped and countersigned by the supervisor.