

WEST BENGAL STATE RURAL DEVELOPMENT AGENCY
(AN AGENCY UNDER PANCHYAT & RURAL DEVELOPMENT
DEPARTMENT, GOVT. OF WEST BENGAL)
Joint Administrative Building, (6th to 9th Floor)
Block-HC/7, Sector-III, Salt Lake City, Kolkata-700 106

NOTICE INVITING QUOTATION

Ascertain unit rate in connection to the work 'Supply, Installation, Testing, Commissioning & Demonstration of Plastic Waste Management Unit/Machineries'.

NIQ No.: 01/SRDA/Q-1/2025-26/EE(HQ)

Memo No. 2144/WBSRDA/2E-74/2025

Date: 08.09.2025

Sealed quotations for rates are hereby invited by the Executive Engineer (HQ), WBSRDA, Department of Panchayats and Rural Development, Govt. of West Bengal from Resourceful and Bona-fide Manufacturers/Dealers/Distributors/Agency to **Ascertain unit rate** in connection to the work '**Supply, Installation, Testing, Commissioning & Demonstration of Plastic Waste Management Unit/Machineries**', as per enclosed schedule.

Resourceful and Bona-fide Manufacturers/Dealers/Distributors/Agency with sound technical and financial capabilities and having credential in executing similar nature of work in any Government/Semi Government/Undertaking/Autonomous Bodies/Statuary Bodies and Local Bodies who satisfy the terms and conditions set out in pre-qualification document may submit their quotation.

Interested quotationers are required to apply for quotation papers to the undersigned enclosing all papers satisfying the eligibility criteria as given below :

1. The eligibility criteria are given below:

- A. The applicant in the same name and style should have achieved annual turnover of **value not less than Rs. 375.00 lakh.**
- B. The applicant in the same name and style as prime supplier should have successfully completed at least one contract of same type of work **value of which is not less than Rs. 125.00 lakh** within the last 5 years from the date of Publication of this NIT.
- C. Financial statements for the last 05 (Five) years (Audited if applicable).
- D. Income Tax return should be submitted for last 5 years.
- E. GST registration Certificate, Professional Tax registration certificate, Pan Card (Income Tax), Trade license should be furnished.
- F. No CONDITIONAL/INCOMPLETE quotation will be accepted under any circumstances.
- G. The quotation of Any Black listed Manufacturers/Dealers/Distributors/Agency will not be accepted.
- H. Prospective applicants are advised to note carefully the **documents to be submitted** for qualification as mentioned in the "Instruction to quotationer" before submitting the rates.

All duties, GST, taxes, royalties, cess, toll, taxes and other levies should be consider in the quoted rates of submitted quotation of each item of Machineries.

2. **Quotation of Rates:** Unit rate should be quote for each item given in table below considering all taxes, GST and all incidental charges for Ascertain unit rate including Supply, Installation, Testing, and Commissioning & Demonstration of Plastic Waste Management Unit / Machineries for all districts under West Bengal.

Table: 1

Sl. No.	Name of Machineries	Quantity	Units	Unit Rate with all taxes, GST and all incidental charge (To be entered by the Quotationer) (Rs.) (Figures & In Words)
1	2	3	4	5
1	Plastic Washer Machine (Floating washing tank) Drum Size : 28"X28" (12mm Drum Thickness) Motor power (in HP) : 15-20 HP Electric supply : 3 Phase, 230 V, 50 Hz Capacity : 150-200 Kg /hr	1	No	
2	Plastic Dryer Machine (Hot Dry Mixer) Motor power (in HP) : 7.5 HP Machine Type : Automatic Electric supply : 3 Phase, 230 V, 50 Hz Capacity : 100 Kg /hr	1	No	
3	Dust Remover Machine (Plastic Fatka Machine) Overall Dimension : 1830 x 1070 x1370 mm Motor power (in HP) : 15 HP Electric supply : 3 Phase, 230 V, 50 Hz Capacity (in kg) : 100 Kg /hr	1	No	
4	Baler Machine (Bailing Machine) Bailing capacity of machine in tonne : 25 ton/day Chamber size in mm x mm x mm : 812 x 660 x 1600 Size of Bale (LxWxH) mm x mm x mm : 812 x 660 x 650 Overall Dimension : 1000 mm x 700 mm x 2850 mm Cycle time per bale (in minutes) : 15-20 (min) Motor power (in HP) : 10 HP, 1440 RPM Electric supply : 3 Phase, 440 V, 50 Hz Weight of Bale (in kg) : 120-150 kg Ejection of Bale : By Hydraulic Pusher No. of Cylinder : 2 No Main Cylinder : 160 X 100 X 1200 mm Operation : Hand Lever Operated Oil drive : Gear Cum Plunger Oil Tank : 200 Ltr Working Fluid : Hydro Enclo 68 Maximum Working Pressure : 3000 PSI Machine Weight : 2000 kg (Approx.)	1	No	
5	Shredder Machines (Plastic Shredder) Plastic Shredder Machine : 12" Grinding machine Grinding Capacity : 60 - 80 Kg / hr Input Electrical Supply : 3 Phase, 440 V Plate Size : 14"*14"*1" mm (2 pcs) & 12"12"*28 mm thickness (2 pcs) Motor : 10 H.P A.C Motor, 1440 R.P.M (Crompton Make) 15 H.P Oil starter (BEE Make). Other details : Angel for Machine stand 2"*2" Pulley size : 12" for Machine, 6" for Motor, Balance pulley weight -35 to 40 kgs No. of Blades : 12" length, width 6", 15 mm thickness Tools Jali/Net : 5 mm & 7-8 mm (2 nets) Key Considerations: Blade Design: Ensure the shredder has high-precision, durable blades capable of producing a uniform	1	No	

	<p>shredded plastic size of approximately 2.36 mm.</p> <p>Build Quality: Choose a machine made of mild steel or stainless steel, to handle long-term use.</p> <p>Output nets: To ensure tapping of maximum forward linkages ensure provision of two nets (One for 2-3 mm shreds which can be used for road construction and one for 8 mm above shreds which can be used by recyclers)</p> <p>Blades: While procurement of shredders it is advised to procure extra set of blades of durable metal and appropriate sharpness.</p> <p>Type of plastic to be processed: Ensure that the shredder can process maximum type of plastic (i.e. PETE, HDPE, LDPE, PP, etc.)</p>			
6	<p>Agglomerator Machines (Agglomerator)</p> <p>Production Capacity : 80 – 100 Kg/hr</p> <p>Input Electrical Supply : 3 Phase, 440 V</p> <p>Motor Capacity : 30 HP Motor & Starter</p> <p>Blades & Sizes : 8 no. (4 rotter blades & 4 fixed Blades)</p> <p>Rotor Shaft : 100 mm Equi Balanced Shaft</p> <p>Overall Size : W 78" XL 109" X H 48" Inch, 1100 kg (Approx.)</p> <p>Inner diameter : 24"X30"</p> <p>Bearing housing type 2 bearings</p> <p>Production of plastic sizes Approx. 2.36 mm</p> <p>Other Specifications Applicability: All thin plastics, Multi-layer plastics and Styrofoam, Automation: Semi-Automatic</p> <p>Blade Material: Camani Blades, Body:12 mm MS Sheet and 2 mm SS Sheet, Structure: Heavy Mild Steel Frame</p> <p>Key Considerations Material: Ensure the machine is built from high-quality MS (Mild Steel) to handle wear and tear from continuous operation.</p> <p>Blade Design: Look for machines with sharp, durable blades that can consistently produce plastic sizes below 2.36 mm.</p> <p>Type of plastic to be processed: LDPE only (Please note that mid product of agglomerator can go in road construction and end product which is heated agglomerate can be channelized to recyclers)</p>	1	No	
7	<p>Mixture Machines (High Speed Mixer)</p> <p>Production Capacity : 100-120 Kg/hr</p> <p>Input Electrical Supply : 3 Phase, 440 V</p> <p>Motor Capacity : 20 HP Motor & Starter</p> <p>Blades & Sizes : 4 no.</p> <p>Rotor Shaft : 100 mm Equi Balanced Shaft</p> <p>Overall Size : W 78" x L 109" x H 48" Inch, 1100 kg (Approx.)</p> <p>Inner diameter : 24" X 30"</p> <p>Bearing housing type : 2 bearings</p> <p>Body : 12 mm MS Sheet and 2 mm SS Sheet</p> <p>Production of plastic sizes : Below 2.36 mm</p> <p>Other Specifications : Automation: Semi-Automatic</p> <p>Bearing housing type: 2 bearings Housing</p> <p>Blade Material: Kamani Blade</p> <p>Hopper Type: Easily accessible one Structure: Heavy Mild Steel Frame</p>	1	No	
8	<p>All in Granular Machines (Plastic recycling Extruder with Pelletizer and Force Feeder Output)</p> <p>Capacity : 80 - 100 kg/hr</p> <p>Input Electrical Supply : 3 Phase, 440 V</p> <p>Motor : 30 HP</p> <p>Heaters : 15 HP (1 Hp each) with Heating Pannel</p> <p>Granual Cutter : 6" inch Granual cutter with 2 HP Motor</p> <p>Helical Gear Box : GE200 Omex</p> <p>Barrel Design : Plain</p> <p>Screw barrel : Barrel 100 mm EN41 B & Hardness 65 HRC</p> <p>Screw Design : Maddoc Barrier</p>	1	No	

	L:D Ratio : 23:01 Control Panel for Push Button Operation			
9	Lumps (Gatta) Machines Lumps (Gatta) Machine : Lumps (Gatta) Machine (with Heaters, Heating Panel, Motor & Starter, Make RK Plasto, Semi-Automatic, 110 mm, Screw & Barrel, Single Manual Die Type) Capacity : 80 - 100 kg/hr Input Electrical Supply : 3 Phase, 440 V Motor : 30 HP Helical Gear Box : 225 mm (Omax) Power Consumption by heaters : 15 HP (1 HP each) with Heating Panel Barrel Design : Vented Screw Design : Vented 10 ft Weight : Apx 1500 Kg Dimensions: LXWLH : 13.5'X5.10'X5' L:D Ratio : 26:1 Type of plastic to be processed : HDPE, PP, LDPE, MLP, Rafia plastic, Thermocol, etc. Control Panel for Push Button Operation	1	No	
10	Glass Bottle Crusher (If high quantity of glass bottles are received i.e. 1 Ton/Month and forward linkages for crushed glass is established) Production Capacity : 100 – 150 Kg/hr Input Electrical Supply : 3 Phase, 440 V Motor Capacity : 5 HP Motor & Starter Dimensions : 3' x 3' x 5'	1	No	
11	Digital Weighing Machine Capacity : 500 kg Platform Size : 600 mm x 600 mm to 1000 mm x 1000 mm Power Supply : 230V AC $\pm 10\%$, 50Hz	1	No	
12	Plastic & Aluminium Cap Cutter: Motor : 3 HP Power Supply/Voltage : 220V (Single Phase) Capacity : 50–100 kg/hr	1	No	
13	Standard Hand Pallet Truck: Capacity : 2000 kg Material : Mild Steel Size : 4 X 3 X 2 feet Lifting Speed : 70 mm/sec to 200 mm Type : Hand Operated Fork Length : 1150 mm Fork Width : 550 mm Steering Wheel Size : 200 mm	1	No	
14	Bio-digester Organic Shredder Machine: Capacity : 500 kg/hr Dimension : 1500 mm x 1000 mm x 1800 mm Electrical Requirements : 3-phase, 440 V AC Motor power : 10 HP Output particle size : 10 mm – 25 mm (adjustable as per requirement) Frame Mild Steel (MS) with powder-coated finish or Stainless Steel	1	No	
15	Brick Moulding Machine : Capacity/Output : 100 blocks per hour (200x150x40 mm) Power Supply : 3-phase, 440 V AC, 50 HZ Compounding unit : Mixes plastic waste, fly ash, sand Hydraulic press : 20 – 40 tons (for high compaction models) Motor : 10 – 15 HP Heating System Electric heaters / Induction heaters (3–5 kW) Type : Manual type	1	No	

16	Paver Block Machine : Capacity : 300 kg/hr Max Temperature : 400 degree centigrade Speed of the Extruder : 12 to 20 RPM (variable) Heating Zone : 4 Nos Total Heating Wattage : 36 Kw Motor Drive : 7.5 Kw Paver Size : Customizable (60 mm, 80 mm, 100 mm thick pavers) Motor Power : 5 HP – 10 HP (Vibrator motor) + 3–5 HP (Hydraulic pump) Vibration Force : 4000 – 6000 VPM (Vibrations Per Minute) Power Supply : 415V, 50 Hz, 3-phase Machine Frame : Heavy-duty Mild Steel Machine Dimensions : Approx. 2000 x 1500 x 2000 mm	1	No	
17	Incinerator: Capacity : 150 kg/hour Electric : 440v, 9 Kw, 32 Amps, 50Hz, MCB 3 Twin Temp. control- RADC Technology : Relatable Automatic Digital Controller– Lone pair of temperature controllers for Primary and Secondary Chambers Thermal Substance to Protect Loss of Heat : Unique thermal lining is insulated to protect thermal loss. Lining Thickness - 150mm. High Density Cera Fibre Board -128/96kg / ccm. AIR/SMOKE Control Unit : a) AIR INLET: is forced inside burning chamber to accelerate oxygen which helps effective burning. b) SMOKE OUTLET: Machine outlet is connected to WATER SCRUBBER EXTENSION UNIT for Emission treatment. WATER SCRUBBER CONTAINS a) Water tank - 25ltr b) Suction blower c) Dual Filter d) Circulation pump ½ hp Enrooting Emission Outlet System- G.I Pipe 4mtr length with accessories is provided for flue gas generated from the incinerator	1	No	
18	Waste EPS (Expanded Polystyrene) Thermocol Disposal (Melting) Machine: Overall Dimensions : 2000 X 800 X 1800 MM (L X W X H) Output Capacity : 25 kg/Hr Heater : 2 HP Input Material Hopper size : 400 mm x 600 mm Screw Barrel dia : 125 MM Screw specification : Screw Rod: 60 mm Screw Flight Thickness: 8mm Screw rotation: 60 rpm Main (Screw) Motor : 10 HP CROMPTON 3 PHASE 1440 RPM Crusher Motor : 3 HP CROMPTON 3 PHASE 1440 RPM Production Capacity : 25 Kgs / Hr. @22gpl Total Power : 12 KW Chamber Wall Thickness : 6-8 Mm Thick MS Plate Other Machine features : 3-phase, 440 v Other Machine features : 1. Electrical Control panel made with Schneider, selec, technic. 2. Duel Temperature controlling for pre-heat & main heating. 3. Ceramic heaters for main & mica heaters for pre-heat. 4. Duel blade crusher	1	No	

Bidder have to quote rates for all the items and L1 rates for each item should be consider for ascertain of rates.

3. **Validity of quoted rate:** The Rate will be valid for not less than 180 days from the date of opening of the Quotation.
4. The Quotation Inviting Authority is Executive Engineer, P & RD Department
5. The Works is ascertain unit rate “Supply, Installation, Testing, Commissioning & Demonstration of Plastic Waste Management Unit/ Machineries” for all districts in the state of West Bengal

6. Time schedule of quotation :

- | | |
|--|-----------------------------|
| 1) Last date & time of receiving application: | 15.09.2025 up to 5:00 p.m. |
| 2) Last date & time of collecting quotation paper: | 16.09.2025 up to 5:00 p.m. |
| 3) Last date & time of receiving quotation paper: | 18.09.2025 up to 5:00 p.m. |
| 4) Date & time of opening quotation: | 19.09.2025 after 11:00 a.m. |

Instructions to Quotationer:

A. Self-attested photocopies of the following documents to be submitted with quotation of rates (table 1):

- i) GST registration certificate (GSTIN)
- ii) Pan card (IT)
- iii) Trade license (latest valid)
- iv) Income tax return for last 5 years
- v) Professional Tax registration certificate
- vi) Financial statement and Balance sheet of last 5 years (Audited if applicable). UDIN should be mentioned if applicable (UDIN to be mentioned at least for the FY which will be considered for qualification in turnover) reports submitted beyond 1st July 2019.
- vii) Payment certificates (Signed by Competent Authority) to be uploaded in support of Turnover. Self-attested Form 26AS will also considered for determination of Turnover. The turnover will be indexed at the rate of 8 percent simple interest for a year.
- viii) The applicant in the same name and style as prime supplier should have successfully completed at least one contract of same type of work value of which is **not less than Rs. 125.00 lakh** within the last 5 years from the date of Publication of this Quotation
- ix) Letter head of the agency/contractor containing Name addresses and contact details. During the currency of the project and after completion if the address of the agency/contractor changes, it will be the responsibility of the contractor to intimate the authority regarding such changes.

B. Other instructions

- The unit rates and the prices shall be quoted by the bidder entirely in Indian Rupees up to two decimal places.
- Bid of any Black listed bidder will be rejected.
- **The rate shall be quoted including all taxes, GST, incidental charges, installation, demonstration, testing, Commissioning, training, insurance and compensation (such as Transit Insurance and Material supplied should be covered under Transit insurance for Road Risk, Theft, Pilferage, and Non-Delivery Risk.)**
- The period of validity of the warranty (Defect Liability Period) shall be **twenty four (24) months** after the equipment have been delivered, installed (as the case may be), so the rates should be quoted accordingly.

7. Terms and Conditions:

1) The schedule of items and other documents are to be collected by the eligible quotationer free of cost from the office of the Executive Engineer , WBSRDA (HQ) ,Govt. of West Bengal, Joint Administrative Building,(6th Floor), Block-HC/7, Sector-III, Salt Lake City, Kolkata-700 106 & download from Departmental website: <https://prd.wb.gov.in>

2) The intending Manufacturers/Dealers/Distributors/Agency should submit quotes in closed envelop i) **in tender box at Office of the Executive Engineer ,WBSRDA (HQ) ,Govt. of West Bengal, Joint Administrative Building, (6th Floor), Block-HC/7, Sector-III, Salt Lake City, Kolkata-700106.** The eligible quotationers should quote their rates both in figures and in words. Any correction in the rates must be duly signed by the quotationers and each page of the schedule are to be signed by the quotationer along with his seal.

(ii) **By speed post or registered post to the same address as stated above.**

Or (iii) **through e-mail (e-mail: er.amitava.mallick@gmail.com)**

3) Quotation paper will not be submitted by fax.

4) No quotation paper will be issued after expiry of date and time mentioned above.

6) Duly filled up sealed quotation as supplied from this office is to be submitted with a forwarding letter to the office of the undersigned.

7) Accepting Authority Departmental Tender Committee, P & RD Department.,GoWB reserves the right to accept or reject any or all quotations without assigning any reasons whatsoever.

8) Informal/conditional quotation is liable to summarily rejected.

9) Any letter or other instrument submitted separately in modification of sealed quotation may not be entertained.

10) **This rate is only to ascertain unit rate for official purpose only.**

**Executive Engineer, (HQ)
West Bengal State Rural Development Agency,
West Bengal**

Copy forwarded for kind information to: -

1. The Special Secretary to the Govt. of West Bengal, P&RD Dept.& ACEO, WBSRDA
2. The Chief Engineer, (All) P&RD Dept., Govt. of West Bengal
3. The Financial Advisor, Govt. of West Bengal, P&RD Dept
4. The Superintending Engineer, (All), P & RD Department
5. The Financial Controller, WBSRDA (HQ).
6. The Executive Engineer (All), P&RD Dept.
7. The PS to HMIC, P&RD Department
8. The Sr.PS to the Secretary, P&RD Department
9. MIS Cell of this Deptt. They are requested to upload this quotation in the Department's website
10. Office Notice Board.



Executive Engineer, (HQ)
West Bengal State Rural Development Agency,
West Bengal