



अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छत्तीसगढ़)  
**All India Institute of Medical Sciences, Raipur (Chhattisgarh)**  
**Tatibandh, GE Road,**  
**Raipur-492 099 (CG)**  
[www.aiimsraipur.edu.in](http://www.aiimsraipur.edu.in)

AIIMS/R/CS/BMW/

Date 25/02/2025

**Inviting Quotations for Purchase of Garbage E-Rickshaw cargo with four chambers for Biomedical waste management Department at AIIMS Raipur.**

**QUOTATION NOTICE**

Sealed quotations are invited from intending registered Stockist / Distributors having GST and relevant documents for Purchase of **Garbage E-Rickshaw cargo with four chambers for biomedical waste management** department at AIIMS Raipur. The quotation with copy of certificate of GST & other documents should be submitted to office of **Stores Officer (Central), ground Floor Medical College building, Gate No-05 at AIIMS Raipur** up to **05/03/2025** before 03:00 pm. The quotations will be opened on the same day at 03:30pm. Details of item are given as under:-

S. No	Item Description	Qty (Nos)	HSN	Unit Rate	GST	Rate incl. GST	Total Amount
1	<b>Garbage E-Rickshaw cargo with four chambers Specification as per Annexure-1</b>	01					

**नियम एवं शर्तें / Term & Conditions :-**

1. Rate should be mentioned in words & figure both.
2. Taxes, if any (should be clearly mention in words & figure).
3. Delivery Schedule – within 15 days from the date of issue of PO.
4. Price should be FOR Destination basis. (i.e. **Garbage E-Rickshaw cargo with four chambers for Biomedical waste management**, AIIMS Raipur).
5. LD @ 0.5% of delayed supply per week or part of week for delay of supply of material subject to maximum up to 10%.After expiry of delivery Period material cannot be accepted without the extension of delivery period.
6. Quotation No/Name and Due date of opening must be written on top of envelop.
7. GST rates applicable on your quoted item may please be confirmed. HSN code for each item shown be clearly mentioned.
8. Please confirm if there any change (Upward/Reduction) in your Basic Price structure. And you are also requested to pass the Input Credit as per the following Anti Profiteering Clause of GST

**“Upon Implementation of GST, any reduction in the rate of tax on supply of goods or service or the benefit of input tax credit shall be passed on to AIIMS Raipur by way of commensurate reduction in the prices”.**

9. The GST registration details may please be furnished.
10. 100% payment against receipt and acceptance of material.
11. Validity of offer should not be less than 90 days.
12. RTGS details required for payment purpose.
13. No part supply or part payment will be entertained.
14. Expenditure will be debitable to GIA-GENERAL.
15. Brand, Make & warranty should be clearly mentioned in offer (if required)
16. AIIMS Raipur reserves the right to place the order for full or part quantity to one or more firm.
17. The Supply, installation & commissioning will be done by Firm.(if applicable).
18. The product should be of superior quality and highly standard.

**Stores Officer**  
**AIIMS Raipur**



**जैवचिकित्सा अपशिष्ट प्रबंधन विभाग**  
**Department of Biomedical Waste Management**  
**अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छत्तीसगढ़)**  
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**AIIMS//BMW/2025/20**

**Date: 06/02/2025**

### **Specifications E-rickshaw: for Biomedical Waste Management, AIIMS RAIPUR**

The E-Rickshaw will be used for the collection of Biomedical waste commercial areas inside AIIMS Raipur campus and Rickshaw with the following:

#### **Specifications:**

Type of E-rickshaw: Fully Electric, Battery-Operated Motor Driven for Carrying Waste Bins, sturdy make for stainless steel body durability and must have manufacturer's warranty for operation and maintenance for at least two years.

#### **S. No. Parameters Specifications**

#### **Generic Parameters**

1. Type of E-rickshaw:	Fully Electric, Battery-Operated Motor Driven for Carry in four Chambers (made up of steel and 4 colors)
2. Color of E-rickshaw	: Red- yellow –blue –white in colors
3. Name and Grade of Steel for E-rickshaw: The E-rickshaw must be fabricated with good quality stainless steel and painted in 4 colors as mentioned above with Biohazard symbol. It should be durable and should not rust for at least for 5 Years	
4. Gross Weight of <u>E-rickshaw</u> (kg)	400 Kg
5. Garbage Carrying Capacity (kg)	320 Kilogram
6. Run Distance (for a Full Charge of Battery, to be tested with full load at Maximum AIS-040)	80 km in one charge
7. Number of Compartments	2
8. Capacity of individuals in litres	200 Liters

9. Type of Chassis for Cart	ICAT
10. Ground Clearance as per IS:9435	240 mm
11. Wheel base 2100 mm	
12. Turning Radius 2115 mm	
13. Power Transmission from Motor Shaft to Wheels Direct Mounting	
14. Type of Battery as per At S-048 Lead Acid, EV Grade, Tubular Deep Discharge	
15. Capacity of the Battery approve dbyrc Ar/ARAt (Ah)\ 150 (lithium ion)	
16. Battery Voltage, Nominal (Volts)	48V
17. Maximum Overall Dimensions of the Battery (LxWxH) (mm3)	400*171.x210
18. Nominal Filled Weight of the Battery	30 kg
19. Battery Charger	220/230VinputVoltage,
20. Charging Current (A)15	
21. Type of Motor Brushless	DC Motor
22. Motor Output Power,	48V{60Vat Full Load

### **Constructional Specifications:**

1. Seat Facility for Driver/operator	
2. Length of E-cartasper Gazette Notification by Ministry of Road and Transport Oct 2014 (meters)	
3. Width of E-Cartasper Gazette Notification by Ministry of Road and Transport Oct 2014 (meters)	
4. Height of E-Cartasper Gazette Notification by Ministry of Road and Transport Oct 204 (meters)	L.78
5. Dimensions of the cabin Provided for Bins (max) (mm3)	1600*950*1400
6. Size of Front Tyre (mm)	93xL2
7. Size of Rear Tyre	93*L2
8. Brake Type (Front)	DRUM
9. Brake Type (Rear)	DRUM
10. Suspension System (Front)	TELESCOPIC
11. Suspension System (Rear)	LEAFSPRINGS
12. Reverse Gear Facility	Yes
13. The Mounting of Batteries	Yes
14. Vehicle lighting system	Filament Type
15. Containing Speedo meter and Battery Charging indicator	Yes

- |  |      |
|--|------|
| 16. Glass Windshield with wiper motor as approved by ICAT/ARAI                                 | Yes  |
| 17. Battery Make as per AIS:048:2009 Exide, Amaron etc   |      |
| 18. Equipped with Start and Stop Button, parking Lights, Backlights with Reverse Gear Facility | Yes  |
| 19. Equipped with Fire Extinguisher  | Yes  |
| 20. Equipped with First Aid Box  | Yes  |
| 21. Equipped with tool kit   | Yes  |
| 22. Equipped with audio system for alarm   | Yes. |
| 23. Yellow Color reflective on Front and Rear Side of the ECart                                | Yes  |
| 24. E-Cart integration   | Yes  |

**Performance parameters**

- |   |                   |
|---|-------------------|
| 1. Speed of the E-Rickshaw (to be tested with Full Load)                    | 25 Kms/hour       |
| 2. Battery Warranty   | 3 years or higher |
| 3. No. of Free Service Minimum  | 4 services        |
| 4. E Cart as a Compulsory Norms for Safety                                  | Yes               |
| 5. Confirming to Applicable Environmental Test Compliance                   | Yes               |
| 6. Noise level must be Low during Operation                                 | Yes               |
| 7. Should include at least 24 months warranty on Chassis Motor & Controller | Yes               |