



**SUPPLY, DELIVERY, AND INSTALLATION OF  
COMPREHENSIVE DATA CENTER ENCLOSURE SYSTEM  
FOR WASTE MANAGEMENT CORPORATION LIMITED**

WAMCO-PRO/IUL/2024/011

**Issued on: 31<sup>st</sup> January 2024**

**Issued by:**

**WASTE MANAGEMENT CORPORATION LIMITED  
MALE', REPUBLIC OF MALDIVES**

**[www.wamco.com.mv](http://www.wamco.com.mv)**



# SUPPLY, DELIVERY, AND INSTALLATION OF COMPREHENSIVE DATA CENTER ENCLOSURE SYSTEM FOR WASTE MANAGEMENT CORPORATION

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## 1. Project Details

Waste Management Corporation Limited invites interested parties to submit proposals for the supply, delivery, and installation of a comprehensive data center ENCLOSURE system for Waste Management Corporation Limited.

### 1.1. Comprehensive Data Center ENCLOSURE System

- 1.1.1. Warranty and licensing for the whole solution.  
Installation, Configuration, Migration, and Training.

Comprehensive Data Center ENCLOSURE System.		
<b>Racks for Compute</b>	M-type Rack,600mm(W)*1350mm(D)*2000mm(H), 42U, with the elastic front door, with the bottom plate, the front door is the glass door	2
<b>UPS</b>	3 Phase 10kVa Single/Parallel Capable 380/400/415VAC, 50Hz, 3Ph+N+PE	2
<b>Sensors</b>	Temperature Control Smoke Sensor Water Sensor Temperature Sensor	
<b>Cable trough</b>	Cable trough, for 600 mm wide cabinets, every two 600 mm wide cabinets configured with 1 PCS	
<b>PDU</b>	Single Phase Metered PDU	4
<b>Controller</b>	Smart Controller for DC Module with Web Interface and Mobile Application	1
<b>In-rack Fire Extinguisher</b>	Active sub rack-rack integrated fire extinguisher	1
<b>Battery Cabinet</b>	Battery Basic Cabinet rack- 600mm(W)*1350mm(D)*2000mm(H)	2



<b>Battery</b>	Rechargeable Battery, VRLA Battery, 12V, 100Ah, 12V Monobloc, 331mm(W) * 174mm(D) * 222mm(H), 1 PCS, UPS Battery	32
<b>In-rack Cooling</b>	Smart Cooling Product, Air Cooling with Outdoor Unit	
	Air conditioning accessories - precision air conditioning installation accessories	1
	Wind Scooper	2
<b>Bank Panel</b>	Blank panel,1U	1
<b>Warranty</b>	3 Years Manufacturer Support and Warranty including Batteries	

## 1.2. Minimum Technical Specifications

Minimum Technical Specifications		Can Provide Service/Item as per Specs (Yes/No)
1.2.1.	The Data Center solution shall be integrated with PDU, UPS, monitoring, cooling, and rack system in a comprehensive rack.	YES
1.2.2.	All components shall be prefabricated in factories and must only be combined onsite.	YES
1.2.3.	The proposed Data Center solution shall support 380/400/415VAC, 50Hz, and 3Ph+N+PE power systems.	YES
1.2.4.	The solution shall be able to expand up to a maximum of 10 IT cabinet quantities for a module.	YES
1.2.5.	The cooling configuration for the proposed Data Center solution shall be Direct Expansion.	YES
1.2.6.	Indoor cooling equipment in the proposed data center shall be rack mounted, and air flow shall be front supply, and rear return.	YES
1.2.7.	The proposed solution should be able to configure for cold and hot aisle containment, saving energy and reducing noise.	YES
1.2.8.	The proposed solution shall improve the efficiency of the cooling system through a DC variable frequency compressor, wet film humidification, and cold and hot aisle containment.	YES
1.2.9.	The proposed solution shall be able to provide real-time monitoring of the following via mobile apps and centralized monitoring of sites via application. Water sensor, Camera, Smoke sensor, Intelligent door lock, Facial recognition (via PAD) and Temperature and humidity sensor Standard	YES
1.2.10.	The proposed solution shall have Dual UPS with 10kVA each with N+1 configuration.	YES

1.2.11.	The proposed solution should have a UPS output power factor of 0.9	YES
1.2.12.	Two UPSs must be configured as battery sharing.	YES
1.2.13.	All professional services shall be delivered by manufacturer-certified engineers only.	YES
1.2.14.	The engineer(s) shall be available onsite for the duration of the service.	YES
1.2.15.	The engineer(s) shall be available for technical support three months post-deployment, either remotely or onsite.	YES
1.2.16.	The proposed professional services delivery team engineer(s) shall be certified in Datacenter Deployment Professional.	YES
1.2.17.	The vendor MUST have at minimum, the following full-time OEM Certified Professional/Engineer under its payroll to provide all professional services. All relevant engineer(s) certificates and supporting documents shall be included with the proposal.	YES
1.2.18.	Perform site readiness assessment, ensuring environment is ready for project commencement.	YES
1.2.19.	Shall provide planning, deployment, and user acceptance test details.	YES
1.2.20.	Installation as per manufacturer recommendation(s).	YES
1.2.21.	Check and ensure all installation prerequisites are met.	YES
1.2.22.	Powerup, as per manufacturer guidelines.	YES
1.2.23.	Configure parameters as per manufacturer guidelines.	YES
1.2.24.	Configure monitoring parameters as per manufacturer guidelines.	YES
1.2.25.	Configure alerting parameters as per manufacturer guidelines.	YES
1.2.26.	Test alerting parameters as per manufacturer guidelines.	YES
1.2.27.	Provide deployment documentation and UAT.	YES
1.2.28.	Role-based access control for different administrators	YES
1.2.29.	Configure centralized remote management	YES
1.2.30.	Vendor Certified Training on the proposed solution for 4 Engineers	YES
1.2.31.	On-the-job training for up to 4 technical persons on management and administration of the system	YES
1.2.32.	Detailed documentation on the configuration and settings of the delivered system shall be provided	YES



### 1.3. Non-Functional Requirements

Non-Functional Requirements		Can Provide Service/Item as per Specs (Yes/No)
1.3.1.	The vendor should be a certified Service Partner in Maldives.	Yes
1.3.2.	Data Sheets of the solutions to be provided.	Yes
1.3.3.	Engineer Certifications are to be provided (on payroll).	Yes
1.3.4.	Minimum 3 X Reference letters past implementation of similar projects experience within last two years.	Yes
1.3.5.	Manufacturer authorized letter indicating support for the project.	Yes

### 2. Instruction to Bidders

<p><b>2.1. Bid language:</b> English</p>
<p><b>2.2. Bid Currency:</b> All prices are to be quoted in Maldivian Rufiyaa (MVR)</p>
<p><b>2.3. Period of bid validity.</b> 120 Calendar days from the date of bid submission</p>
<p><b>2.4. Bid Security</b> Bids Should be accompanied by a bid security of <b>MVR 250,000.00 (Two Hundred and Fifty Thousand)</b>. The Bid Security should be valid for 45 (forty-five) days beyond the validity of the bid. Bid Security Should be an original bank guarantee letter (or) stamped Cheque (or) An Insurance Policy from an MMA-registered insurance company. Any bid not accompanied by an acceptable bid security shall be rejected as non-responsive.</p>
<p><b>2.5. Information Session</b> Waste Management Corporation Limited (WAMCO) Male' Waste Transfer Station, Industrial Village Boduthakurufaanu Magu Male' Maldives Date &amp; Time: 4<sup>th</sup> February 2024, 12:00pm</p>

**2.6. Sealing the Bid**

Note: All proposal pages must be stamped, signed, and comb-bound together. Proposals not following these guidelines can be subjected to rejection.

Proposals with loose pages will also be rejected.

The bid document should be adequately sealed in an envelope. and should mention the name of the company and the bid reference number.

**SUPPLY, DELIVERY, AND INSTALLATION OF COMPREHENSIVE  
DATA CENTER ENCLOSURE SYSTEM**

**FOR**

**WASTE MANAGEMENT CORPORATION LIMITED**

WAMCO-PRO/IUL/2024/011

WASTE MANAGEMENT CORPORATION LIMITED

MALE' WASTE TRANSFER STATION, INDUSTRIAL VILLAGE,

BODUTHAKURUFAANU MAGU

MALE' MALDIVES

3025804, 3000584

DATE & TIME: 8<sup>th</sup> February 2024, 12:00 pm

PROPOSAL SUBMITTED BY:

**2.7. Bid Submission.**

Waste Management Corporation Limited (WAMCO)

Male' Waste Transfer Station, Industrial Village

Boduthakurufaanu Magu

Male' Maldives

Date & Time: 8<sup>th</sup> February 2024, 12:00 pm











# FORM 1 – BID SUBMISSION FORM

Description of Works: Supply, Delivery, and Installation of Comprehensive Data Center ENCLOSURE System for Waste Management Corporation Limited (WAMCO).

Announcement Number:	WAMCO-PRO/IUL/2024/011
Bid to:	Waste Management Corporation Limited (WAMCO)
Address:	Male' Waste Transfer Station Boduthakurufaanu Magu, Maafannu Male' Republic of Maldives.

Having examined with the project details; items, description of works, I/we the undersigned, offer to supply, deliver, and complete the installation of the mentioned items in conformity with the said technical specifications.

**Price quoted should be inclusive of GST if applicable.**

Description	Total Price (MVR)
Comprehensive Data Center ENCLOSURE System (Warranty and licensing for the whole solution with installation, configuration, migration and training)	

We undertake, if our Bid is accepted, to commence the works immediately upon signing of contract and to complete whole of the works comprise in the Contract within calendar ..... days.

We agree to abide by this Bid for a period of 120 (hundred and twenty) days from the date of submission of the Bid and it shall remain binding upon us and may be accepted at any time before the expiration of that period. We understand that you are not bound to accept the lowest or any Bid you receive.

Unless and until a formal agreement is prepared and executed, this Bid together with our written acceptance thereof shall constitute a binding Contract between us.

Yours Faithfully,

Signed -----

In the capacity of ..... (Position / Designation)

Dully authorized to sign bids for and on behalf of

..... (Company Name & Stamp)

Date: -----

Name & Address of Signatory

Name: .....

Address: .....

Tel No: ..... Fax No: .....



## FORM 2 – BIDDER’S INFORMATION FORM

1. Bidder’s Name:		
2. Company Registration Number:		
3. Registered Address:		
4. GST Number:		
5. Contact Number:		
6. Email Address:		
7. Tenderer’s Authorized Representative Information:		
Name:		
ID Card Number:		
Address:		
Contact Number:		
Email Address:		
8. Managing Director / CEO information:		
Name:		
ID Card Number:		
Address:		
Contact Number:		
Email Address:		
9. Name of shareholders:		
#	Name	ID Card No.
1.		
2.		
3.		
4.		
5.		
Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i>		



- Company Registration Copy
- GST Registration Copy
- National Identification Card (if Individual) Copy
- Shareholder's Certificate provided by Ministry of Economic Development.

**Check List**

#	Document	✓
1	Proposal/Quotation (inclusive of the delivery period)	
2	Bid Security	
3	Form 1 – Bid Submission Form	
4	Form 2 – Bidder's Information Form	
5	Form 3 – Experience Information Form	
6	Form 4 – Technical Compliance Form	
7	Company Profile prepared by the company/firm (Bidder)	
8	Copy of Business Registration Certificate	
9	Copy of Goods and Service Tax (GST) Registration certificates if applicable.	
10	Goods and Service Tax clearance report, if applicable (last three months from the date of bid submission / last quarter) - <i>If the Tax clearance report is not submitted or any due payments are made in the Tax clearance report, it shall be disqualified during/after evaluation criteria.</i>	
11	Copy of Company Profile Information Sheet / Shareholder's Certificate (From Ministry of Economic Development)	
12	Proof of financial capability: last 3 (three) months' Bank statement (with the stamp from the bank in the letter head of the respective Bank) or other financial proof of capability from a relevant authority.	
13	Proof of experience documents/reference letters (Documents signed by previous clients indicating the project value, duration and completion date corresponding to and supporting).	
14	Authorize Vendor Certification	
15	Ethical declaration form	















