



**water & sanitation**

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

# **REQUEST FOR SUPPLY, INSTALLATION AND CONFIGURATION OF 2 X ENVIORACS AT GAUTENG PROVINCIAL OFFICE (BOTHONGO PLAZA)**



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### **1. BACKGROUND**

In order to deliver against its mandate the Department of Water And Sanitation (DWS) need to improve its efficiency, effectiveness, security and information reliability to deliver more – better, faster, and cost effectively with the relevant controls in terms of best practice and good governance. A key element in this drive towards effectiveness and efficiency is the use of ICT that within the DWS environment nationally.

### **2. CURRENT ENVIRONMENT**

The Provincial Office currently is utilizing the old server room infrastructure which is not only out dated but is not conducive to accommodate servers and has repeatedly attracted internal and external Audit queries.

A route cause analysis was conducted and one of the recommendations was that a proper data center must be put in place with the capabilities of monitoring humidity, fire, temperature, power loss and access control basically monitored environment.

### **3. SERVICE REQUIRED**

The Department requires a service from a professional service provider to supply, install and configure an EnviroRac in the dedicated room, do the necessary repairs and issue a certificate of compliance. An inspection accompanied by all relevant documentation “*to be provided by the installer*” will be done after all work has been completed before sign off.

### **4. SCOPE OF WORK**

The scope of work is for the supply, installation and configuration of two EnviroRacs on site as per technical specification and requirements.



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These EnviroRacs will house the switches, telephone systems and servers which might be needed to be on site.

### **Mandatory Technical Specifications (For 2 Enviro-Racks)**

Item number and description	Specifications	Comply	Does not comply
<b><u>1. Physical</u></b>	Rack Configuration Rack Height Rack Depth	Triple Rack 43U 1000mm	
<b><u>2. Material</u></b>	Front Door Housing Anti-Rust Paint	Toughened safety glass Cold rolled steel Zinc Phosphate Matt Black Texture	
<b><u>3. Conformance</u></b>	Warranty	3 Year inclusive of A/C & UPS	
<b><u>4. Cooling Plant</u></b>	Air Conditioning Air Conditioning Capacity Air Conditioning Quantity Maximum Air Conditioning Capacity	Split Unit 15 000BTU each Split x2 60 000BTU	
<b><u>5. Fire Protection</u></b>	Smoke Detectors Extinguish and residue	2 Stat-X: ozone safe/no	
<b><u>6. Security</u></b>	Access Control Access Logging Surveillance Locks (Rack) Locks (Side Panels)	PIN Code and/or Fingerprint/Facial recognition. Time stamped – photo & text 3 x IP Cameras 3 x electro-magnetics Clip fixes lock	
<b><u>7. Interface</u></b>	Display Override	15" Touch Screen Fire, Access (Key	



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Item number and description	Specifications	Comply	Does not comply
	Switches		
<b><u>8. EnviroRamm System Controller</u></b>	Operating System Windows 10 or 11/ Communication GSM and STMP		
<b><u>9. Alerting</u></b>	Protocols Supported GSM, SMTP, SNMP TCP/IP Alerts Temperature, Humidity, Access Violation, Smoke and Power Failure  Definable Recipients 8		
<b><u>10 Integrated UPS</u></b>	10KVA ±30 minutes backup time		
<b><u>11. Backup Power</u></b>	8KVA Hybrid inverter with lithium Batteries providing 8 Hours runtime on the equipment in the cabinet (Envirorack)		
<b><u>12. Power Management</u></b>	Alerting Monitoring SNMP/STMP  Management Per port V/A  Port Configuration Per port control – Power On/off 8 x IEC-C13		
<b><u>Additional requirements</u></b>	Air Conditioning Unit 2 x Wall mounted Cooling 25000W, Comfort Control, 230V, 50/60Hz, RiNano Coating/Condensate Evaporation 400 x 1580 x 290  Warranty on A/C 3 Year preventative maintenance		



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Item number and description	Specifications	Comply	Does not comply
	Electrical 25a, Circuit Breaker, Heinemann, Std curve Installation and Commissioning		
<b><u>Inverter power sharing</u></b>	The power from the inverters must also support the cabinets on the 11 <sup>th</sup> Floor, 15 <sup>th</sup> Floor, and the 16 <sup>th</sup> Floor.		
	Decommissioning of the current cabinet and moving the current switches and cables to the new Enviro rack		
	Labour		
	Sandry items		

### 5. EVALUATION CRITERIA

Department of Water and Sanitation will evaluate all proposals in terms of the Preferential Procurement Regulations 2011. A copy of the Preferential Procurement Regulations 2011 can be downloaded from [www.treasury.gov.za](http://www.treasury.gov.za). In accordance with the Preferential Procurement Regulations 2011, submissions will be adjudicated on 80/20 points system and the evaluation criteria. A three phase evaluation criteria will be considered in evaluating the bid.



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### Phase 1: Administrative Compliance:

- Site Visit will be conducted and is non-compulsory.
  - The site address is 285 Francis Baard Street, CBD, Pretoria, 0001
- All Standard Bidding Documents must be fully completed and signed

### Phase 2: Mandatory Compliance

The following are the mandatory requirements and must be met by the successful supplier and failure to comply with either of the requirements, then your bid will be disqualified:

Item number and description	Specifications	Comply	Does not comply
<b><u>1. Physical</u></b>	Rack Configuration Rack Height Rack Depth	Triple Rack 43U 1000mm	
<b><u>2. Material</u></b>	Front Door Housing Anti-Rust Paint	Toughened safety glass Cold rolled steel Zinc Phosphate Matt Black Texture	
<b><u>3. Conformance</u></b>	Warranty	3 Year inclusive of A/C & UPS	
<b><u>4. Cooling Plant</u></b>	Air Conditioning Air Conditioning Capacity Air Conditioning Quantity Maximum Air Conditioning Capacity	Split Unit 15 000BTU each Split x2 60 000BTU	
<b><u>5. Fire Protection</u></b>	Smoke Detectors Extinguish and residue	2 Stat-X: ozone safe/no	
<b><u>6. Security</u></b>	Access Control	PIN Code and/or Fingerprint/Facial	



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Item number and description	Specifications	Comply	Does not comply
	Access Logging Surveillance Locks (Rack) Locks (Side Panels) recognition. Time stamped – photo & text 3 x IP Cameras 3 x electro-magnetics Clip fixes lock		
<b><u>7. Interface</u></b>	Display Override Switches 15" Touch Screen Fire, Access (Key		
<b><u>8. EnviroRamm System Controller</u></b>	Operating System Communication Windows 10 or 11/ GSM and STMP		
<b><u>9. Alerting</u></b>	Protocols Supported Alerts Definable Recipients GSM, SMTP, SNMP TCP/IP Temperature, Humidity, Access Violation, Smoke and Power Failure 8		
<b><u>10 Integrated UPS</u></b>	10KVA ±30 minutes backup time		
<b><u>11. Backup Power</u></b>	8KVA Hybrid inverter with lithium Batteries providing 8 Hours runtime on the equipment in the cabinet (Enviorack)		
<b><u>12. Power Management</u></b>	Alerting Monitoring Management Port Configuration SNMP/STMP Per port V/A Per port control – Power On/off 8 x IEC-C13		
<b><u>Additional</u></b>	Air Conditioning 2 x Wall mounted		



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Item number and description	Specifications	Comply	Does not comply
<b><u>requirements</u></b>	<p>Unit Cooling 25000W, Comfort Control, 230V, 50/60Hz, RiNano Coating/Condensate Evaporation 400 x 1580 x 290 3 Year preventative maintenance</p> <p>Warranty on A/C</p> <p>Electrical 25a, Circuit Breaker, Heinemann, Std curve</p> <p>Installation and Commissioning</p>		
<b><u>Inverter power sharing</u></b>	The power from the inverters must also support the cabinets on the 11 <sup>th</sup> Floor, 15 <sup>th</sup> Floor, and the 16 <sup>th</sup> Floor.		
	Decommissioning of the current cabinet and moving the current switches and cables to the new Enviro rack		
	Labour		
	Sandry items		

### Phase 3: Functionality Criteria

### PHASE 2: FUNCTIONALITY CRITERIA:



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The bidder is expected to achieve a minimum required score of **65%** for functionality in order to qualify for further evaluation. Bids that do not meet the minimum required score will be disqualified. The Functional/Technical criteria are:

Values: 1 Very Poor ..... 2 Poor ..... 3 Average ..... 4 Good.... 5 Excellent

ASPECT		DESCRIPTION	WEIGHT
<b>ABILITY AND EXPERIENCE</b>		<ul style="list-style-type: none"> <li>Detailed company profile containing information regarding the experience of the company in rendering the required work as stipulated within this Terms of Reference</li> <li>At least one year electrical services experience.</li> <li>Respondents must have at least 2 client references where proposed solutions were installed and maintained</li> </ul>	<b>35</b>
1 yr electrical exp	1		
2 yrs electrical exp	2		
3 yrs electrical exp	3		
4 yrs electrical exp	4		
5+ yrs electrical exp	5		
<b>TEAM CAPABILITY</b>		<ul style="list-style-type: none"> <li>Considers the technical and professional skills of the project team. Abbreviated Curriculum Vitae (CV's) of all personnel shall be included in an Appendix. The team must include certified qualifications and Identity Documents (ID) or Passports</li> </ul>	<b>30</b>
1-2 Yrs (Team)years Experience	1		
2-3 Yrs (Team)years Experience	2		
3-4 Yrs (Team)years Experience	3		
4-5 Yrs (Team)years Experience	4		
6+ Yrs (Team)years Experience	5		
<b>METHODOLOGY</b>		<ul style="list-style-type: none"> <li>Considers the responsiveness to the Term of Reference, the bidder's proposal must provide detail attention to Pre-install documentation, project plan, installation, configuration and testing</li> <li>Pre-install documents</li> <li>Project Plan with deliverables</li> </ul>	<b>35</b>



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ASPECT	DESCRIPTION	WEIGHT

### PHASE 3: EVALUATION OF PRICE AND SPECIFIC GOALS

The 80/20 Preferential Procurement System will be used in evaluating these bids:

Evaluation element	Weighting (Points)
<b>SPECIFIC GOALS</b>	<b>20</b>
<b>PRICE</b>	<b>80</b>
<b>Total</b>	<b>100</b>

#### Price

A maximum of 80 points are allocated for price on the following basis:

$$P_s = 80 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where:

$P_s$  = Points scored for comparative price of bid under consideration

$P_t$  = Comparative price of bid under consideration

$P_{\min}$  = Comparative price of lowest acceptable bid

#### Preference point system

SPECIFIC GOALS	NUMBER OF POINTS TO BE ALLOCATED
Women	5
People with disability	5
Youth (35 and below)	5
Location of enterprise (Province)	2
B-BBEE status level contributors from level 1 to 2 which are QSE or EME	3
<b>Total points for SPECIFIC GOALS</b>	<b>20</b>

Documents Required for verification of Points allocation: -

Procurement Requirement

Women

Required Proof Documents

Full CSD Report



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Disability	Full CSD Report
Youth	Full CSD Report
Location	Full CSD Report
B-BBEE status level contributors from level 1 to 2 which are QSE or EME	Valid BBBEE certificate/sworn affidavit Consolidated BEE certificate in cases of Joint Venture Full CSD Report

The definition and measurement of the goals above is as follows:

**Women, disability, and youth:**

This will be measured by calculating the pro-rata percentage of ownership of the bidding company which meets this criterion. E.g., Company A has five shareholders each of whom own 20% of the company. Three of the five shareholders meet the criterion, i.e. they are women/disability/youth. Therefore, this bidder will obtain 60% of the points allowable for this goal.

**Location of enterprise**

Local equals province. Where a project cuts across more than one province, the bidder may be located in any of the relevant provinces to obtain the points.

**B-BBEE status level contributors from level 1 to 2 which are QSE or EME**

Measured in terms of normal BBBEE requirements.

**Note: Formula for calculating points for specific goals**

Preference points for entities are calculated on their percentage shareholding in a business, provided that they are actively involved in and exercise control over the enterprise. The following formula is prescribed:

$$PC = \frac{Mpa \times P\text{-own}}{100}$$

Where

**PC= Points awarded for specific goal**

**Mpa= The maximum number of points awarded for ownership in that specific category**

**P-own = The percentage of equity ownership by the enterprise or business**

## 6. CONDITIONS

- Only bidders who obtain at least 65% under Functional/Technical evaluation will be considered for further evaluation





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- Bidders are kindly requested to submit **one 1** copy
- DWS reserves the right to award the required services to multiple service providers.

### **7. SITE VISIT AND CONTACT**

Please take note that there will be a **non-compulsory** site visit. The date and venue of the non-compulsory site visit will be communicated.

### **8. ENQUIRIES**

#### **For Technical enquiries**

Contact Person: **Tebogo Diradingwe**  
Telephone: 0825548130 or 012 392 1424  
E-Mail: [diradingwet@dws.gov.za](mailto:diradingwet@dws.gov.za)

