

## REQUEST FOR INFORMATION

<b>RFI NUMBER:</b>	JW RFI 23/10/24	<b>CLOSING DATE:</b>	29 October 2024 @ 16:00
<b>DESCRIPTION:</b>	500AMPS DIESEL ENGINE-DRIVEN WELDING MACHINES		
<b>ISSUE DATE</b>	22 October 2024		
<b>Submit via Email to:</b>	Sinna.hlongwane@jwater.co.za		

ENQUIRIES MAY BE DIRECTED TO:			
Bidding procedure enquiries <u>must</u> be sent to		Technical enquiries must be directed to	
<b>CONTACT PERSON</b>	Sinna Hlongwane	<b>CONTACT PERSON</b>	Lucky Ngobela
<b>TELEPHONE NUMBER</b>	011 688 1410	<b>TELEPHONE NUMBER</b>	011 689 9151
<b>E-MAIL ADDRESS</b> (Submissions must be made to this address)	sinna.hlongwane@jwater.co.za	<b>E-MAIL ADDRESS</b>	Lucky.ngobela@jwater.co.za

SUPPLIER INFORMATION			
<b>NAME OF BIDDER</b>			
<b>STREET ADDRESS</b>			
<b>TELEPHONE NUMBER</b>	<b>CODE</b>		<b>NUMBER</b>
<b>CELLPHONE NUMBER</b>			
<b>E-MAIL ADDRESS</b>			
<b>VAT REGISTRATION NUMBER</b>			
<b>CENTRAL SUPPLIER DATABASE No:</b>	MAAA		
<b>MANUFACUTER OR THIRD PARTY(If Applicable)</b>			

## 1. PURPOSE OF THE REQUEST FOR INFORMATION

To assist the organisation with business decision making purposes for an upcoming 36-month Request for Tender with regards to budget, cost effectiveness, risk assessment, specific goals to include in the tender, award and allocation strategy to incorporate, non-firm prices, pricing schedule and special conditions of tender.

## 2. BACKGROUND

Johannesburg Water invites service providers to respond to a Request for Information for the **500AMPS DIESEL ENGINE-DRIVEN WELDING MACHINES to the various Johannesburg Water (JW) sites**. This RFI is strictly to solicit market related information from potential bidder(s). This RFI does not constitute; an offer; or any impression none so ever to do business with Johannesburg Water.

## 3. SCOPE OF WORK AND SPECIFICATIONS

### 3.1. CONTRACT DESCRIPTION

The contract entails the supply and delivery of 500amps diesel engine-driven welding machines for various JW sites on an as and when required basis for the duration of the contract.

### 3.2. SCOPE OF WORK

Supply and delivery of 4 (four) 500amps diesel engine-driven welding machines. The Welding Machine will be used for welding process with basic coated stick electrodes ranging from Ø 1.5 mm to Ø 6 mm.

The scope of supply shall consist of the following:

- Supply and delivery of 4 (four) 500amps diesel engine-driven welding machines.
- Supply and delivery of set of welding cables.
- Supply and delivery of electrode holders for each of the machines.
- Commissioning of equipment and performance prove-out of the offered equipment at JW premises at no cost.
- Supply and delivery of Operation & Maintenance Manuals as follows:

Particulars	Specification
No. of copies	2 (Two) Copy for each machine
Language	English

Manual Details	<ul style="list-style-type: none"> <li>• Manual shall contain all instructions for machine installation and welding trial testing, in sequence.</li> <li>• Manual to give general circuit diagrams, showing the interconnection of various elements and details on PCBs [Printed Circuit Board] like tapping voltages, main electronic elements' specifications, and ratings, etc.</li> <li>• Manual to give other details like trouble shooting chart, weld parameters selection for various base metals, etc.</li> <li>• Master List of Parts &amp; Spares used in the machine with Make, Model, Rating, etc.</li> <li>• Manual to include safe working instructions for each of the machines.</li> </ul>
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- Testing and performance prove-out of offered equipment of offered equipment as follows:

Particulars	Specification
Testing and performance prove-out Details	<ul style="list-style-type: none"> <li>• The welding machines shall be offered for inspection by JW authorised personnel at supplier's works for performance evaluation prior to despatch.</li> <li>• Welding trials are to be taken on butt joints of steel plates [minimum size: 4 mm thickness] and subjected to Radiographic Tests, for acceptance.</li> <li>• Supplier to arrange for plates &amp; electrodes to be used during testing of the machines.</li> </ul>

### 3.3. Specifications

The service provider shall ensure that each machine has an identification number.

#### 3.3.1. Statutory, Regulatory and OHSA Requirements

The equipment supplied shall always, comply in all respects with the safety and other requirements of the Occupational Health and Safety Act 85 of 1993 and the regulations applicable.

## 3.3.2. Technical Specification

Particulars	Specification
Power Source type	Diesel Engine
Power Source Model	BIDDER to Specify the Model of Power source Offered
Fuel Tank Size	Minimum 50 litres
Number of Cylinders	4 Cylinders - Water-cooled
Max Rating	450Amps @ 60% Duty Cycle
Operating Range	30Amps to 500 Amps
IEC Rating	400Amps @ 100% Duty Cycle
Machine Protection	IP23 – Degree of protection
Machine Cooling	The Power source shall feature water-cooling system that ensures adequate cooling of the components while preventing dust and metal particles from being drawn in.
Ambient Conditions	Temperature up to + 50 °C; Humidity up to 90 % but both upper limits do not occur simultaneously.
Welding Cables	Terminated Welding Cable shall be 30m long and 50 mm <sup>2</sup> core diameter (core or OD?)
Electrode Holder & Return Current Connection	Heavy Duty rugged LUG type terminals to connect 50 mm <sup>2</sup> Welding Cable for Electrode Holder and Return Current Cable for Welding Process. <b>Note: Lugs are to be replaceable</b>
Enclosure	Compact Case with Stainless Steel or similar Enclosure, Side Panels and Engine Access Door.
Auxiliary Power Source	240V @ 1 Phase – 50Hz 380V @ 3 Phase – 50 Hz AC supply to power equipment such as lights, grinders and other common tools.
Display	Oil Pressure, Temperature, Hours, Fuel and Battery Voltage

Key Controls	Output Control; Digital Output Meters; Arc Control; Weld Mode Selector Switch; Glow Plug Push Button; Run/Stop Switch; Circuit Breaker; Engine Stop Switch; Dashboard Gauge; Weld Output Terminals with Flange Nut; VRD (Voltage Reduction Device) Indicator Lights; Weld Terminals Control Switch; Start Push Button; Idler Switch; 6-Pin Connector; Ground Stud.
Built-in “hot” start for easier starts and restrikes minimizing the electrode “sticking” to the work	

## Location and Delivery:

No.	Name	Address
1	Johannesburg Water, Ffennel Road Depot	Cnr Fennel Street and Rosettenville Road, Village Main, Johannesburg.



## HIRING OF GENERATORS



### PRICING

Item	Description	Unit of Measure	Quantity	Unit Rate- Each item offered (Excl. VAT)	Unit Rate- Each item offered (VAT. Amount)	Unit Rate- Each item offered (Incl. VAT.)	Total Price (Incl. VAT.) [Unit Rate- Each item offered x Estimated Qty]
1.1	Supply and delivery of 500amps diesel engine-driven welding machines in line with technical specification.	Each	4	R	R	R	R
1.2	Supply and delivery set of welding cables.	Each	1	R	R	R	R
1.3	Supply and delivery of electrode holders	Each	16	R	R	R	R
1.4	Testing and performance prove-out of the offered equipment.	Sum	1	R	R	R	R
1.5	Handover Training of JW staff (12)	day	1	R	R	R	R
	SUBTOTAL						
	15 % VAT						
	TOTAL						

## Prices Firm / Non-Firm?

Suppliers to complete the below according to their company details.

INFORMATION FOR SPECIFIC GOALS ANALYSIS	
<b>BUSINESS OWNED BY 51% OR MORE -BLACK PEOPLE</b>	
1. Percentage (%) of Black Ownership)	
2. Is Black Ownership 51% or more? (Yes or No)	
<b>BUSINESS OWNED BY 51% OR MORE – BLACK YOUTH</b>	
1. Percentage (%) of Ownership by Black Youth	
2. Is the percentage of Black Youth Ownership 51 % or more? (Yes or No)	
<b>BUSINESS OWNED BY 51% OR MORE-WOMEN</b>	
1. Percentage (%) of Ownership by People who are Women	
2. Is the percentage of People who are Women 51 % or more? (Yes or No)	
<b>BUSINESSES LOCATED WITHIN THE BOUNDARIES OF A REGION IN COJ, COJ MUNICIPALITY OR IN GAUTENG PROVINCE</b>	
1. Is your business located in the Gauteng Province? (Yes or No)	
2. Is your business located in the COJ Municipality? (Yes or No)	
3. Is your business located within the region of the COJ? (Yes or No)	
<b>BUSINESS OWNED BY 51% OR MORE - BLACK PEOPLE WHO ARE MILITARY VETERANS</b>	
1. Percentage (%) of Ownership by Black People Who Are Military Veterans	
2. Is the percentage of Ownership by Black People Who Are Military Veterans 51% or more? (Yes or No)	
<b>BUSINESS OWNED BY 51% OR MORE-BLACK PEOPLE WITH DISABILITIES</b>	
1. Percentage (%) of Ownership by Black People With Disabilities	
2. Is the percentage of Ownership by Black People with Disabilities 51% or more? (Yes or No)	
<b>SMME (AN EME OR QSE) OWNED BY 51% OR MORE - BLACK PEOPLE</b>	
1. What is the Enterprise Type? EME – turnover is less than R10m QSE – Turnover between R10m and R50m Generic – Turnover is R50M or more	
<b>JOINT VENTURE (JV), CONSORTIUM OR EQUIVALENT</b>	
1. What is the percentage (%) of ownership for each party?	
<b>SUBCONTRACTING WITH COMPANIES AT LEAST 51% OWNED BY HISTORICALLY DISADVANTAGED INDIVIDUAL (HDI) GROUPS MENTIONED ABOVE</b>	

1. What is the percentage (%) that will be sub-contracted to companies that are at least 51% owned by Historically Disadvantaged Individual (HDI) groups mentioned above?	
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INFORMATION PRICE BREAKDOWN			
DESCRIPTION	BREAKDOWN IN PERCENTAGE	APPLICABLE INDEX	IMPACTED BY ROE (YES/NO)
Raw materials			
Direct Labour			
Direct Overheads			
Transport			
Indirect Labour			
Indirect Overheads			
Total	100%		

provide the following information (if Applicable)

TYPICAL PRICE ADJUSTMENT FORMULA INCLUDING INTERVALS

SUBMITTED DOCUMENTATION IN SUPPORT OF A REQUEST FOR A PRICE ADJUSTMENT

SOURCE OF RAW MATERIAL	
DESCRIPTION	COUNTRY OF ORIGIN
Raw materials	

ASSOCIATED RISKS	
RISK CATEGORY	RISK MITIGATION
<b>Economic:</b>	
Security of Supply	
Supply and Demand	
Rate of Exchange	
<b>Operational:</b>	
Capacity	
Logistics	