



**REQUEST FOR QUOTATION**

**Quotation No.: RFQ119 - BACK UP GENERATOR**

**FOR THE SUPPLY OF ICT MATERIALS**

**CLOSING DATE: 05-Sep-2024**

**REFERENCE NO: RFQ119**

**CLOSING TIME: 10:00:00 AM**

**Release Date: 30/Aug/2024**

Please give us a quotation for the following goods and services:

**CURRENCY: KES**

S/N	ITEM DESCRIPTION	SPECIFICATIONS	UNIT	QTY	UNIT	TOTAL COST +	MAKE/MODEL	DAYS TO DELIVER
	<b>Supply and Delivery of:</b>							
1	40KVA Back up Generator	Supply, Delivery, Installation & Commissioning of 40KVA back up generator	PCS	1				

**Notes:**

1. THIS IS NOT AN ORDER
2. Payment Terms: 30 days from the date of invoice, delivery complete.
3. Price Validity : 90 days
4. Form must be stamped, dated and signed. All quotation details must be indicated and submitted on this form. You should submit samples and/or catalogue for technical evaluation where applicable.
5. All deliveries and invoices should be made to the respective office immediately after issue of LPO. All deliveries should be accompanied by Delivery Note and Tax Invoice.
6. Payments for goods and services shall be made only after complete deliveries for goods or successful performance of contract.

**JOOUST-USAID BORESHA JAMII**

**210-BONDO  
KISUMU**



**REQUEST FOR QUOTATION**

**MANDATORY REQUIREMENTS**

- 1. *Certificate of Registration*
- 2. *Valid Tax Compliance Certificate*
- 3. *KRA PIN*
- 4. *Valid Business Permit*

**Supplier Name:**

**Contact person:**

**Telephone Contact:**

**Signature:**

**Date:**

**Stamp:**

**FOR OFFICIAL USE ONLY**

<b>Reviewed By:</b>	1)	<b>Designation</b>		<b>Signature</b>	
<b>Reviewed By:</b>	2)	<b>Designation</b>		<b>Signature</b>	
<b>Reviewed By:</b>	3)	<b>Designation</b>		<b>Signature</b>	

**RESPONSES BE SUBMITTED THROUGH TENDER BOX AT JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY, MILIMANI CAMPUS, OJIJO OTEKO RD.-KISUMU**

**ALL RESPONSES TO BE SUBMITTED THROUGH :**

**SPECIFICATIONS FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF A 40KVA GENERATOR AT USAID BORESHA JAMII**

**EVALUATION CRITERIA**

**PRELIMINARY EVALUATION/MANDATORY EVALUATION**

<b>A</b>	<b>PRELIMINARY EVALUATION/ MANDATORY REQUIREMENT</b>	<b>Mandatory</b>
1	Attach a Copy of Certificate of Registration / Incorporation	<b>Mandatory</b>
2	Attach System Generated Copy of CR12 for Incorporated Companies( generated within the last six months)	<b>Mandatory</b>
3	Copy of a Valid Tax Compliance Certificate	<b>Mandatory</b>
4	A copy of valid business permit	<b>Mandatory</b>
5	Copy of PIN /VAT Certificate indicating Tax Obligations	<b>Mandatory</b>
6	A Bid Bond of Kshs. 50,000.00 valid for 150 days from date of tender opening in form of a Bank Guarantee from a Commercial Bank Registered in Kenya or from a registered insurance firm.	<b>Mandatory</b>
7	Attach Certified copies of National Construction Authority Electrical Works (NCA 4)	<b>Mandatory</b>
8	Attach Certified copies of National Construction Authority Building (NCA 4) Attach Certified copies of National Construction Authority Mechanical (NCA 4)	<b>Mandatory</b>
9	Attached Stamped and signed Mandatory site Visit.	
10	Audited Accounts for the last (3) Three consecutive years (2021, 2022 and 2023)	<b>Mandatory</b>
	The Accounts must be clearly signed by the Issuing CPA and the Companies Director.	<b>Mandatory</b>
	The Accounts must be complete (Full Audited Accounts i.e. not sections of it)	<b>Mandatory</b>
	Any Discrepancies in the Accounts must be explained in the notes failure to which the accounts will be rejected.	<b>Mandatory</b>
	For Purpose of the Evaluation the Accounts are considered to be Audited if issued by a registered CPA Firm recognized by ICPAK	<b>Mandatory</b>
11	Must provide a Contact address: Physical, Postal, Telephone and Email address of the Firm (Confidential Business Questionnaire) Clearly indicating the list of Directors or Partners as applicable.(Form 2)	<b>Mandatory</b>
<p><b>Failure to comply with Mandatory requirements will lead to disqualification.</b></p> <p><b>Only bidders who are successful at this stage will proceed to the next stage of Evaluation.</b></p>		

**TECHNICAL EVALUATION -100 MKS**

1	<p><b>Bidders are required to provide evidence of adequate experience of the firm 40 Marks</b></p> <p>Must provide Five (5) reference from Corporate Clients where they have provided services of similar nature (Similar refers to scope and Cost) for the last five years. As a proof Bidder should, Provide Information in the required format:</p> <p>i) Bidders should attach certified copies of contracts/LPOs from the clients where they have successfully carried out similar/ related works (8 mks each) <b>Total 40 mks</b></p>	40 Marks
2	<p><b><u>Compliance to Technical specifications, Methodology and Work Plan</u></b></p> <p>The bidder should provide a detailed methodology and work plan describing how they will provide the service in order to meet UBJ requirements with regard to:</p> <p>(a) Compliance to schedule of compliance with reference to datasheets/brochures. – <b>5 Marks</b></p> <p>(b) Assignment of manpower – <b>5 Marks</b></p> <p>(c) Supervision of staff and frequency of the same – <b>5 Marks</b></p> <p>(d) Provision for backup and emergency services when required – <b>5 Marks</b></p> <p>(e) Reporting and incidents attendance plan - <b>5 Marks</b></p> <p>(f) Bidders to provide details on how they will mitigate risk to ensure that services to UBJ are not interrupted – <b>5 Marks</b></p>	30 marks
3	<p><b>Personnel qualification and Experience; CV Format</b></p> <p>Must provide a list of three (3) key staff with relevant qualifications to be engaged for the assignment. Must attach CVs and relevant copies of academic and professional certificates for each staff.</p> <p><b>(10 Marks for each staff with their CV, Academic and Professional Certificates attached)</b></p> <p>i. Attach copies of CVs. <b>(2 marks each)</b></p> <p>ii. Attach copies of Academic and Professional Certificates for each staff. <b>2 marks.</b></p> <p>iii. Bachelors Degree or Diploma in Information Telecommunication/Computer Science/Electrical/Electronic Engineering or in Mechanical Engineering. <b>(2 marks each).</b></p> <p>iv. Evidence of Professional Training and Certification as a technician for the servicing generators as proposed by UBJ. <b>(2 marks each).</b></p> <p>v. The proposed staff should have worked as a technician for at least 3 years. <b>(2 marks each).</b></p>	30 Mks
<p><b><i>Only firms attaining 70% and above in Technical score (St) during Technical Evaluation will proceed to Financial Evaluation.</i></b></p>		

**TECHNICAL COMPLIANCE FOR GENERATOR**

ITEM	SPECIFICATION	BIDDERS RESPONSE WITH REFERENCE TO DATASHEET/BROCHURES
<b>Generator Specifications</b>		
Genset Manufacturer	Specify	
Genset Rating	Prime Power	
Genset Output ( KVA / KW)	40 / 32	
Genset Model	Specify	
Engine rating or Max. Power at rated RPM, in KW (BHP)	42.8 (58)	
Engine Model	Specify	
Engine Type	Specify	
No. of Cylinders / Cylinder arrangement	4 / Inline	
Displacement (L)	2.86	
Bore & Stroke (mm)	91X110	
Compression ratio	17.5	
Rated RPM	1500	
<b>Governor: Type /Class of Governing</b>	Mechanical/G2	
Over speed trip (rpm)	1650	
<b>Air cleaner type / Qty</b>	Dry / 01	
<b>Exhaust System</b>		
Maximum allowable back pressure, kPA	6	
<b>Engine Electrical system: 50 Hz</b>		
Charging alternator Voltage / Current (DC)	12V / 35Amps	
Starter Motor rated voltage (DC)	12	
Battery Voltage (DC) / Capacity (AH)	12 VDC / MHD880	
<b>Fuel System:</b>		
Recommended Fuel	HSD	
Fuel tank capacity ( Ltr)	100	
Fuel consumption - LPH at % load		
100%	9.1	
75%	7.1	
50%	5	
25%	3.2	
<b>Lubricating Oil System</b>		
Lub oil sump capacity	8.5	

Oil change period (Hrs)	500	
Oil consumption ( %SFC)	≤ 0.15	
Oil filter quantity (Nos) /type	01 / spin on type	
Recommended Oil Grade	Greaves Maxtherm API CF4	
Oil Cooler	Not available	
<b>Cooling System</b>		
Cooling system is designed for max ambient temp, Deg. C at rated load	50	
Radiator System capacity, including engine, (L)	14 Ltr	
Water pump type	Engine mounted	
<b>Alternator Specifications</b>		
Type	4 Pole , Rotating field	
Exciter Type	Brushless	
Leads: Quantity , type	6, fixed.	
Voltage regulator	12, re connectable (Optional)	
Insulation	Solid State Class H ,	
Temperature rise	125 Deg. C	
Bearing: Quantity , type	1,Sealed	
Coupling	Flexible disc, closecoupled	
Voltage regulation : No load to full load	2 Phase sensing,±1%	
One step load acceptance	100% of rating	
Unbalance load capability	25% of rated current	

## FINANCIAL EVALUATION

### PRICE SCHEDULE

#### A. PRICE SUMMARY

ITEM	ITEM DESCRIPTION	AMOUNT
1	Supply, installation and commissioning of 40kVA Generator set	
2	Construction of Generator House	
<b>Grand Total</b>		

B. GENERATOR

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(VAT INCLUSIVE)
	<b>PRELIMINARIES</b>				
A	Supply, install, test and commission a canopied 40 kVA Three Phase Silent Diesel Generator complete with battery and charger powered genset louvres, ATS gear including all necessary accessories with a one year technical and servicing warranty.	No	1		
B	AUTOMATIC TRANSFER SWITCH 100/150A	No	1		
C	Allow for power shut down and switch on by KPLC	Item	Lot		
D	Allow for preparation of working drawing "as installed"	Item	Lot		
	<b>The following works will be carefully undertaken during installation. There should be minimum power interruption during this installation exercise. The building will be running it's operations normally.</b>				
	<b><u>Supply, install, test and commission the following:</u></b>				
DE	Electrical control panel for 40KVA generator complete with suitable rated incoming MCCBS and contractors for automatic change over operation and complete with all other control accessories for proper operation complete with pass switch.	No	1		
F	4 core-35mm Armoured generator cable of adequate size	Lm	As per Site Survey		
G	Supply and install a steel exhaust pipe of not less than 14 SWG of adequate diameter running from the generating set outside of generator house.	Lm	As per Site Survey		
H	Connect the exhaust pipe above in item C using steel pipe of adequate diameter and flexible pipping off engine exhaust manifold complete with heavy duty silencer.	ITEM	Lot		
I	Cable gland, lags and shroud for completion above cable	No	Lot		
J	Excavation, laying of cable complete with "Danger Hatari" tiles and backfiling	Lm	As per Site Survey		

K	Earthing comprising of copper earth electrode of size 1500mm long x 15mm diameter enclosed by a concrete manhole of size 450mm x 450mm x 450mm with an openable concrete cover and 38mm diameter PVC heavy gauge conduit lead in duct and bonded to the generator using 25mm squared SC cable to engineers approval	Lot	As per Site Survey		
L	Supply and install to approval an auxilliary fuel tank with an operational running capacity of 48hrs connected to the generator daily service base belly fuel tank, complete with level indicator stand and all necessary piping.	No	1		
M	Supply, install, test and commission 240v ac fuel booster pump complete with a suitable rated motor DOL starter, all control accessories and Gi pipe connection	Item	Lot		
N	Supply and install a standard tool box for the generator	Item	Lot		
O	Allow for provision of construction of concrete slab foundation base to receive generator set	Lot	As per Site Survey		
	<b>Total</b>				

#### B. GENERATOR HOUSING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	<b><u>Concrete Foundation:</u></b> <ul style="list-style-type: none"> <li>• Cement:</li> <li>• Sand:</li> <li>• Gravel:</li> <li>• Rebar:</li> <li>• Concrete blocks:</li> </ul>	Lot	As per Site Survey		
2	<b><u>Walls:</u></b> <ul style="list-style-type: none"> <li>• Concrete blocks:</li> <li>• Mortar mix:</li> </ul>	Lot	As per Site Survey		
3	<b><u>Roofing</u></b> <ul style="list-style-type: none"> <li>• Roofing sheets:</li> <li>• Roofing nails:</li> <li>• Timber for trusses:</li> <li>• Waterproof membrane:</li> </ul>	Lot	As per Site Survey		
4	<b><u>Doors and Windows:</u></b> <ul style="list-style-type: none"> <li>• Metal door:</li> <li>• Door hinges:</li> <li>• Door lock:</li> <li>• Metal frame windows:</li> <li>• Window glass:</li> </ul>	Lot	As per Site Survey		



	<ul style="list-style-type: none"> <li>• Window hinges:</li> <li>• Window locks:</li> </ul>				
5	<b><u>Electrical Components:</u></b> <ul style="list-style-type: none"> <li>• Electrical wires:</li> <li>• Conduits:</li> <li>• Junction boxes:</li> <li>• Light fixtures:</li> <li>• Power outlets:</li> <li>• Light switches:</li> <li>• Circuit breakers:</li> <li>• Main control panel:</li> </ul>	Lot	As per Site Survey		
6	Ventilation: <ul style="list-style-type: none"> <li>• Exhaust fans:</li> <li>• Louvers or vents:</li> </ul>	Lot	As per Site Survey		
7	<b><u>Safety and Security:</u></b> <ul style="list-style-type: none"> <li>• Fire extinguishers:</li> <li>• Smoke detectors:</li> <li>• Padlocks or security locks:</li> </ul>	Lot	As per Site Survey		
8	<b><u>Paint and Finishing:</u></b> <ul style="list-style-type: none"> <li>• Primer:</li> <li>• Exterior paint:</li> <li>• Interior paint:</li> <li>• Brushes and rollers:</li> </ul>	Lot	As per Site Survey		
TOTAL					