

Supply and Installation of the 3no. Generators, shelter repairs, and user training for Mpumudde HCIV, Rwesande HCIV and Buwenge GH in Rwenzori and Busoga

UGA22009-10051

Annex: Technical specifications & offer

The tenderers are requested to complete the template on the next pages:

Column 2 shows the required specifications (not to be modified by the tenderer);

Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words “compliant” or “yes” are not sufficient);

Column 4 allows the tenderer to make comments on the proposed supply and to make eventual references to the documentation.

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

1. Item Number	2. Specifications required	3. Specifications offered	4. Picture of the proposed item	5. Notes, remarks, ref to documentation
1.	<p><u>Generator:</u> 1No. 60 kVA/48kW Prime Power 0.8 PF, 3 Phase, 415 Volts, 50 Hz at 1500 RPM.</p> <p>Engine and alternator model; Europe/USA make or equal approved; Water Cooled.</p> <p>Control Panel: Plant Mounted Control Panel</p> <p>Sealed service free dry battery with Leads and at least 100-150 Ltrs inbuilt fuel tank capacity with Soundproof Canopy with less than 70 decibels noise level at 7m.</p>			
2.	<p><u>Generator:</u> 1No. 45kVA/36kW Prime Power 0.8 PF, 3 Phase, 415 Volts, 50 Hz at 1500 RPM.</p> <p>Engine and alternator model; Europe/USA make or equal approved; Water Cooled.</p> <p>Control Panel: Plant Mounted Control Panel</p> <p>Sealed service free dry battery with Leads and at least 80-150 Ltrs inbuilt fuel tank capacity with Soundproof Canopy with less than 70 decibels noise level at 7m.</p>			

1. Item Number	2. Specifications required	3. Specifications offered	4. Picture of the proposed item	5. Notes, remarks, ref to documentation
3	<p><u>Generator:</u> 1No. 33kVA/26.4kW Prime Power 0.8 PF, 3 Phase, 415 Volts, 50 Hz at 1500 RPM.</p> <p>Engine and alternator model; Europe/USA make or equal approved; Water Cooled.</p> <p>Control Panel: Plant Mounted Control Panel</p> <p>Sealed service free dry battery with Leads and at least 60-120 Ltrs inbuilt fuel tank capacity with Soundproof Canopy with less than 70 decibels noise level at 7m.</p>			
4	<p><u>Manual changeover switch with rotary control Europe /USA make or equal approved.</u></p> <p>Functionality: On load changeover between two sources, emergency breaking, selection between two loads, safe isolation of downstream loads for maintenance purpose.</p> <p>General characteristics: Two earthing external points, wall mounted with 4 bolts, door locking system allows opening ONLY in OFF position, incoming & out going easily interchangeable at site, epoxy polyester powder coated with at least 70 micron and door with solid hinges.</p>			

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5	<p><u>Earthing for Generator</u></p> <p>High voltage room, transformer room for one transformer up to 800kVA, low voltage room and a generator room for one emergency generator set up to 80kVA refer to standard for substation switch room and Generator room EE3/136/131C.</p>			
6	<p><u>Armoured cable for fixed installations.</u> 600/1000V for domestic and industrial environments; with ability perform without being enclosed in trunking or conduit; can be used in power networks; buried underground; indoor or outdoor applications. Standard BS5467, stranded copper conductors to BS EN 60228:2005, 4 core XLPE (Cross-Linked Polyethylene) Insulated, PVC (Polyvinyl Chloride) Sheathed. Max current rating 154Amps, Temperature range (fixed installation) -40C to +90C, Overall Diameter of cable (for gland sizing) 31.9mm, with GLAND kit size -> OUTDOOR installation CW32; INDOOR installation BW32 and Weight per metre 2.59kg installed in accordance with BS7671 Wiring Regulations</p>			
7	<p>Warranty period: the company provides a 12month warranty period during which all repairs will be done on simple request from the client</p>			

Annex: CV/experience of company profile or expert:

Technical offer:

1. Outline of approach/methodology
2. Work plan/programme, delivery period is calendar days from the date of the kick-off meeting
3. Staffing relevant to the assignment, i.e. 1 No. holder of a degree in Electrical/Mechanical engineering and 3 years' electromechanical experience; 1No. staff diploma holder in Civil engineering related course with minimum experience of two year in building works
4. 2No. References of similar assignments involving supply, installation and user training of generators. Submit client reference letters/completion certificates/contacts/invoices as evidence.

Annex: Detailed timetable

Attach a critical milestone bar chart (schedule of execution) detailing relevant activities, dates, allocation of labour and resources, etc. Please note that the implementation period is maximum 120 calendar days from the date of the kick-off meeting.

Description of activities	Unit of Measure (Weeks)				
	W1	W2	W3	W4	W5

PICTORIAL VIEW OF EXISTING GENERATOR SHELTER – BUWENGE GENERAL HOSPITAL



PICTORIAL VIEW OF EXISTING GENERATOR SHELTER – RWESANDE HCIV



Rwesande

PICTORIAL VIEW OF EXISTING GENERATOR SHELTER – MPUMUDDE HCIV



Mpumudde other photos



The control box with changeover and isolator Switches-Setup