

Technical Specifications and Requirements

TITLE	One (1) Lot Provision for Semi-Annual Preventive Maintenance Services of Generator Sets at the OWWA Central Building Office
OBJECTIVE	In order to maintain readiness in case occurrence of power failure or emergencies, a semi-annual, detailed maintenance procedures are needed to check the performance of various components and system of the Generators.
GENERATOR SETS	<p>The CONTRACTOR shall conduct a schedule condition and performance monitoring on the;</p> <p>Two (2) Units Generator Set as follows:</p> <p>-1- unit 500 KVA, 220V, 60hz, 3 Phase Cummins</p> <p>-1- unit 165 kVA, 220V, 60hz, 3 Phase Cummins</p>
I. SCOPE OF WORKS	<p>The Contractor shall perform the following:</p> <ul style="list-style-type: none"> • Preventive Maintenance Inspection– detailed inspection of the entire generator set systems to determine if each system is functioning within the acceptable standards <p>Perform the following inspection with the generator set:</p> <ul style="list-style-type: none"> • Exhaust system • Mechanical system • Fuel system • Cooling system • Electrical system • Main Rotor • Bearing –check the bearing for damage or wear and for lubrication. • Fan-check the fan for cracks or broken blades. • Main Rotor Core and Windings. • Check the rotor for loose, frayed or burnt windings. 31 • Determine insulation resistance of main windings. • Main Stator

	<ul style="list-style-type: none"> • Inspect the frame for cracks, burnt mating surfaces of other damage areas. • Inspect the stator for loose, frayed or burnt winding. • Determine insulation resistance of main stator windings. • Change high performance lube oil • Replace oil filter and oil filter by pass. • Replace fuel filter • Coolant • Air filter • Fuel water separator • Check batteries and electrolyte. • Lubricate grease fittings. • Finish the job by completing the test report documents that show what did and how the equipment worked for that test period. This includes engine preventive maintenance servicing form. Load test report.
II. MINIMUM QUALIFICATIONS	The contractor/service provider shall have engaged in business for the last five (5) years. Attach list of customers/projects on-going and completed for the last three (2) years.
III. SCHEDULE OF PREVENTIVE MAINTENANCE ACTIVITY	Upon issuance of Notice to Proceed 1 ST PMS for the month of March 2 ND PMS for the month of October
IV. MODE OF PAYMENT AND REQUIREMENTS	Upon submission of Service Report and Certificate of Completion 1 st Payment - PMS for the month of March 2 nd Payment - PMS for the month of October
V. APPROVED BUDGET FOR THE CONTRACT	An approved budget for the contract (ABC) in the amount equal One Hundred Eighty Thousand Pesos (Php 180,000.00) for Two (2) semester shall be allocated for the contract, subject the provisions of R.A. 9184.

Prepared By:

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