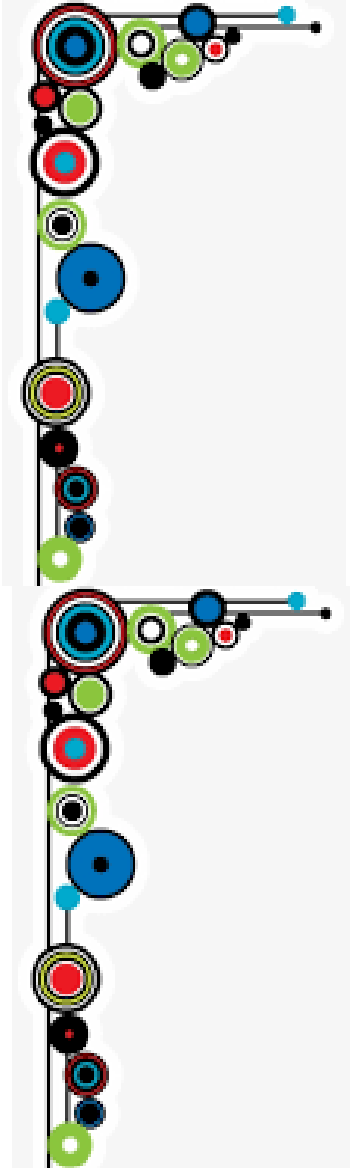


**IB 2022-27 - SUPPLY, DELIVERY AND INSTALLATION OF
1 UNIT GENERATOR SET**



***SECTION 7 –
TECHNICAL
SPECIFICATIONS***

TECHNICAL SPECIFICATIONS

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Item	Specifications	Statement of Compliance
		<p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p>
<p>1</p>	<p>1 Lot Supply, Delivery and Installation of 1-unit Generator Set</p> <p>Generator Rating:134 kVA (134 kW) - Minimum, single phase, 230 V, 60 Hz OR 200 kVA (160 kW) - Minimum, three phase BUT to be reconnected thru single phase at 134 kVA (134 kW), 230 V, 60 Hz Condition: Brand New and 2022 Manufactured only Enclosure: Weather-and-soundproof Fuel type: Diesel Application: Fixed type and Standby Accessories: Circuit breaker, Batteries, Battery charger Standards: EN ISO12100:2010, EN12601:2010, EN60204-1:2006+A1:2009, GB/T2820.5-2009 Quality Assurance: Passed either European (CE) or American (UL) standards (Note: To provide a valid</p>	

	<p>certificate which can be validated its authenticity thru Internet)</p> <p>Dimensions, LXWXH: 365 X 134 X 227 cm</p>	
	<p>Engine</p> <p>Kind: Genuine or OEM (Note: To provide a valid certificate), OEM means Original Equipment Manufacturer</p> <p>Speed: at least 1800 RPM</p> <p>Power standard: 187 kW (minimum)</p> <p>Compression ratio: 17.3:1 (minimum)</p> <p>Bore and stroke: 114 X 135 mm (minimum)</p> <p>No. of cylinders: 6 (minimum)</p> <p>Aspiration: Turbocharged and After cooled</p> <p>Type of cooling: Water cooled</p> <p>Fuel Consumption (Standby power, at 100%): 49 L/h (maximum)</p> <p>Emission Certification: MEP STAGE I</p>	
	<p>Alternator</p> <p>Kind: Genuine or OEM (Note: To provide a valid certificate)</p> <p>Thermal Insulation Class: Class H (180 °C)</p> <p>Temperature Rise: Class H (163/27 °C), 206 kVA (minimum)</p> <p>Protection: IP23 or better</p> <p>Stator Winding: Double Layer Concentric</p> <p>Winding Pitch: Two Thirds</p> <p>Winding Leads: 12</p> <p>Standards: BS EN 60034 and the relevant section of other international standards such as BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-100, AS1359</p> <p>Quality Assurance: BS EN ISO 9001</p> <p>Authenticity: To be verified in manufacturer (Alternator) website using the alternator reference/serial number</p>	
	<p>Controller</p> <p>Kind: Genuine or OEM (Note: To provide a valid certificate)</p> <p>Type: Digital;</p> <p>Fully configurable via the fascia or PC using USB communication; Efficient power save mode; 3 phase generator sensing; 3 phase mains (utility) sensing; Generator/load power monitoring (kW, kV A, kV Ar, pf); Generator overload protection (kW); Generator/load current monitoring and protection</p>	
	<p>Automatic-Transfer-Switch (ATS)</p> <p>Ratings:630 A, 230 V, 60 Hz, Single phase</p>	

	<p>Switch-gear type: Changeover Quality Assurance: IEC60947-6-1, GB 14048-11 Features: CE certification (Stable and reliable quality); AC-33A design (Frequent changed in using 4 patents technology; One-piece copper platoon output structure; Permanent magnet motor drive technology; Zero overlap switching technology); Multiple safety protection function (Mechanical and electric duplex interlocking design; Safety zero position design; Safety protection board accessory); High connection/breaking capability (8le for rated current breaking capacity; 10le for rated current connection capability; 12kV rated impulse withstand voltage; 120 kA rated conditional short-circuit current) Technical data: Agreed thermal current = 630A; Rated insulation voltage = 1000V; Rated impulse withstand voltage = 12kV; Rated voltage of the switch copper = AC 440V; Rated work current = 630A; Rated connection capability = 10le; Rated breaking capability = 8le; Rated conditional short-circuit current = 70kA; Rated short- time withstand current = 26kA; Transfer time I - II or II - I = 2.4S; Control voltage of the switch motor = AC 220V Enclosure type: Wall-mounted, Outdoor</p>	
	<p>Main Circuit Breaker (MCB) Ratings: 630 A, 230 V, 60 Hz, Single phase Enclosure type: Wall-mounted, Outdoor</p>	
	<p>Availability of technical personnel to maintain the generator set</p>	
	<p>Warranty – at least 1 year after final acceptance</p>	
	<p>XXXXXXXXXXXXXXXXXXXXXXXXXXXX</p>	

I have hereby certified to comply with the above Technical Specifications

Name of Bidder over Printed Name

Designation

Date