

Section VII. Technical Specifications

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Technical Specifications

Item	Specification	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.] Please state the brand and model being offered</i></p>
1	<p>Supply, Delivery, Installation, Testing & Commissioning of 750KVA Standby Genset with Accessories, Distribution Panels, Transfer Switch, Wirings and Raceways, Including Generator House</p> <p>GENERATOR SPECIFICATIONS: Silent type Standby Diesel Generator Set 750KVA 3 Phase 230V, 60Hz, 1800rpm, 0.8pf w/ 12 hours base fuel tank Dimension (mm) (L x W x H): 4300 x 1900 x 2300 Weight: 6500kg Engine specifications: Cycle: 4 stroke Aspiration: Turbocharged & air to air intercooled; direct injection Starting method: 24V Electric motor starters Speed governor: Electronic Cooling way: Water-cooled system Fuel consumption @100% load Prime load: 161L/h Enclosure: IP21 Control panel: digital Complete with accessories</p>	



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	<p>DISTRIBUTION PANEL SPECIFICATIONS:</p> <p><i>Distribution Panel 1 (1 set)</i></p> <p>Compartment 1: Main Circuit Breaker: 1 x 1000AT/ 1000AF, 3P, 240V 60Hz, 65KAIC MCCB</p> <p>Compartment 2: Branch Circuit Breakers: 2 x 500AT/600AF 3P, 240V 60Hz, 65KAIC MCCB + 4 space for 600AF, 3P 240V MCCB</p> <p>Compartment 3: 1 x 250AT/250AF 2P, 240V 60Hz 42KAIC MCCB + 1 x 200AT/250AF 2P, 240V 60Hz 42KAIC MCCB + 1 x 175AT/250AF 2P, 240V 60Hz 42KAIC MCCB + 1 x 100AT/250AF 2P, 240V 60Hz 42KAIC MCCB + 1 x 70AT/250AF 2P, 240V 60Hz 42KAIC MCCB + 1 space for 250AF 2P, 240V MCCB</p> <p>Complete with accessories, mechanical lugs, grounding bus and digital display metering for Voltage/phase, Current/phase, Frequency/phase in NEMA 3R type enclosure floor mounted</p> <p><i>Distribution Panel 2 (1 set)</i></p> <p>Compartment 1: Main Circuit Breaker: 1 x 1000AT/ 1000AF, 3P, 240V 60Hz, 65KAIC MCCB</p> <p>Compartment 2: Branch Circuit Breakers: 2 x 400AT/600AF 3P, 240V 60Hz, 65KAIC MCCB + 1 x 250AT/600AF 3P, 240V 60Hz, 65KAIC MCCB + 3 space for 600AF, 3P 240V MCCB</p> <p>Compartment 3: 1 x 200AT/250AF 2P, 240V 60Hz 42KAIC MCCB + 2 x 150AT/250AF 2P, 240V 60Hz 42KAIC MCCB + 2 x 100AT/250AF 2P, 240V 60Hz 42KAIC MCCB + 1 space for 250AF 2P, 240V MCCB</p> <p>Complete with accessories, mechanical lugs, grounding bus and digital display metering for Voltage/phase, Current/phase, Frequency/phase in NEMA 3R type enclosure floor mounted</p>	
	<p>Supply, Delivery and Installation of Underground Feeder Conductors, Raceways and Transfer Swtiches</p>	
	<p>CONDUITS, BOXES, FITTINGS & ACCESSORIES</p>	
	<p>uPVC Pipe thickwall, 32mmØ x 3m</p>	
	<p>uPVC Pipe thickwall, 40mmØ x 3m</p>	

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Item	Specification	Statement of Compliance
	uPVC Pipe thickwall, 50mmØ x 3m	
	uPVC Pipe thickwall, 65mmØ x 3m	
	uPVC Elbow 32mmØ 90°	
	uPVC Elbow 40mmØ 90°	
	uPVC Elbow 50mmØ 90°	
	uPVC Elbow 65mmØ 45°	
	uPVC Elbow 65mmØ 90°	
	RSC Clamp 32mmØ w/ screw	
	Conduit Clamp; 40 mm dia, Metal, U-Bolt, Stainless	
	Conduit Clamp; 50 mm dia, Metal, U-Bolt, Stainless	
	Conduit Clamp; 65 mm dia, Metal, U-Bolt, Stainless	
	Z - bar; 1/8"thk. x 1" x 20'	
	Expansion shield 1/4"Ø x 2"	
	Pull Box w/ cover; NEMA 3R 300mm x300mm x150mm Deep	
	Pull Box w/ cover; NEMA 3R 400mm x400mm x150mm Deep	
	Pull Box w/ cover; NEMA 3R 600mm x600mm x250mm Deep	
	PVC Solvent Cement; 400 cc	
	Caution Buried Electric Line Below Warning Tape 3" x 1000'	
ELECTRICAL WIRINGS, CONNECTORS & ACCESSORIES		
	Electric wire THWN-2 5.5mm ² Cu. Str., 600V	
	Electric wire THWN-2 8.0mm ² Cu. Str., 600V	
	Electric wire THWN-2 14mm ² Cu. Str., 600V	
	Electric wire THWN-2 22mm ² Cu. Str., 600V	
	Electric wire THWN-2 30mm ² Cu. Str., 600V	
	Electric wire THWN-2 38mm ² Cu. Str., 600V	
	Electric wire THWN-2 60mm ² Cu. Str., 600V	
	Electric wire THWN-2 80mm ² Cu. Str., 600V	
	Electric wire THWN-2 100mm ² Cu. Str., 600V	
	Electric wire THWN-2 125mm ² Cu. Str., 600V	
	Electric wire THWN-2 175mm ² Cu. Stranded, 600V	
	Split bolt connector, copper, 60mm ² Stranded	
	Split bolt connector, copper, 175mm ² Stranded	

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	Circuit breaker mechanical lug kit, for 2 x 175mm ² Stranded conductors 400A rated current	
	Circuit breaker mechanical lug kit, for 2 x 175mm ² Stranded conductors 500A rated current	
	PVC Tape/19 mm dia x 18 mm	
	Rubber Tape/ Friction Tape/19 mm dia x 227 g	
	TRANSFER SWITCHES	
	Manual Transfer Switch (MTS) 100AT, 2P, 240V, 60Hz NEMA 3R Enclosure c/w accessories	
	Manual Transfer Switch (MTS) 150AT, 2P, 240V, 60Hz NEMA 3R Enclosure c/w accessories	
	HANDHOLES & TRENCHES	
	Portland Cement	
	Fine Aggregate	
	Crushed Gravel, 3/4"	
	10mmØ x 7.5 RSB	
	10mmØ x 7.5 RSB	
	# 16 G.I. Tie Wire	
	Coco Form Lumber	
	1/2" thk. 4' x 8' Marine Plywood	
	Assorted Common Nail	
	INSTALLATION COST	
NOTE: LOT EVALUATION		

I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, if found to be false during bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

Name of Company

Signature over Printed Name of
Authorized Representative

Date

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