

Section VII. Technical Specifications

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**Section VII- Technical Specifications-
PROCUREMENT OF ELECTRONIC RESEARCH STATION**

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 and Commissioning of One Unit 750 KVA Standby Generator Set C/W Accessories, Distribution Panel, Transfer Switch, Wirings, and Raceways Including Power House (12m x 8m)</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: Distribution Panel 1 (1 set) Compartment 1: Main Circuit Breaker: 1 x 1000AT/ 1000AF, 3P, 240V 60Hz, 65KAIC MCCB Compartment 2: Branch Circuit Breakers: 2 x 500AT/600AF 3P, 240V 60Hz, 65KAIC MCCB + 4 space for 600AF, 3P 240V MCCB 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>SUPPLY, DELIVERY AND INSTALLATION OF UNDERGROUND FEEDER CONDUCTORS, RACEWAYS AND TRANSFER SWITCHES INCLUDING TRENCHES AND HANDOLE ENCLOSURES</p>	
	<p>CONDUITS, BOXES, FITTINGS AND ACCESSORIES</p>	
	<p>uPVC Pipe thickwall, 32mmØ x 3m</p>	
	<p>uPVC Pipe thickwall, 40mmØ x 3m</p>	
	<p>uPVC Pipe thickwall, 50mmØ x 3m</p>	
	<p>uPVC Pipe thickwall, 65mmØ x 3m</p>	
	<p>uPVC Elbow 32mmØ 90°</p>	
	<p>uPVC Elbow 40mmØ 90°</p>	
	<p>uPVC Elbow 50mmØ 90°</p>	
	<p>uPVC Elbow 65mmØ 45°</p>	
	<p>uPVC Elbow 65mmØ 90°</p>	
	<p>RSC Clamp 32mmØ w/ screw</p>	
	<p>Conduit Clamp; 40 mm dia, Metal, U- Bolt, Stainless</p>	
	<p>Conduit Clamp; 50 mm dia, Metal, U- Bolt, Stainless</p>	
	<p>Conduit Clamp; 65 mm dia, Metal, U- Bolt, Stainless</p>	

G/S

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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 AND 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	
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	

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	c/w accessories	
	Manual Transfer Switch (MTS) 150AT, 2P, 240V, 60Hz NEMA 3R Enclosure c/w accessories	
	HANDHOLES AND 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	