

**EVALUATION REPORT ON TECHNICAL BIDS OPENED ON 08-10-2016 FOR THE PROCUREMENT OF DIESEL GENERATOR,
TENDER ENQUIRY NO. PC/DF (EXT)-I /2016-17**

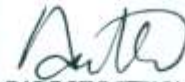
Sr.#	Approved Specification of the Department	Name of the Firm & Address	Specification/Brand/Model quoted by the Firm Diesel Generator	Remarks/Recommendation with reasons
1.	<p>Origin of Brand: West Europe, UK, USA, Japan & Canada etc.</p> <p>Capacity Prime Rating 60 KVA to 80 KVA</p> <ul style="list-style-type: none"> Heavy Duty Fabricated steel skid type based frame with anti-vibration mounting/ isolators. Diesel fuel tank for minimum 8 hours of continuous run <p>Engine</p> <ul style="list-style-type: none"> Prime power rating 60 KVA to 80 KVA Direct coupled with Alternator <p>Alternator</p> <ul style="list-style-type: none"> Brushless Self-excited Automatic voltage frequency regulated Automatic frequency regulated 400/220 Volt, 3-Phase, 4 wire, 50Hz (Nominal frequency) F/H type insulated <p>Speed</p> <ul style="list-style-type: none"> 1500RPM (minimum) <p>Exhaust System</p> <ul style="list-style-type: none"> Heavy Duty Residential Grade 	<p>Shirazi Trading Co. (Pvt) Ltd. Atlas insurance building, 3-bank square Shahrah-e-Quaid-e-azam road Lahore. Ph. 042-37240774-75</p>	<p>MODEL: APD66C Make: AKSA USA shipping from any of the AKSA plant in the world. Capacity: 60 KVA Prime/66kVA standby Engine: 4BT A3.9G2 CUMMINS UK from their any of the world plant Generator Type: Yes comply to heavy duty fabricated steel skid type based frame with anti-vibration mounting isolators. Diesel day fuel tank for minimum 8 hours of continues run,</p> <p>Engine</p> <ul style="list-style-type: none"> Prime power rating 60 KVA Direct coupled with Alternator <p>Alternator STAMFORD UK from their any of world plant</p> <ul style="list-style-type: none"> Brushless Self-excited Automatic voltage regulated Automatic frequency regulated 230/400 Volt, 3-Phase, 4 wire, 50Hz (Nominal frequency) Class H type insulation. <p>Speed</p> <ul style="list-style-type: none"> 1500RPM <p>Exhaust System</p> <ul style="list-style-type: none"> Heavy Duty Residential Grade Silencer 	<p>This firm has quoted specifications which match the approved specification of the Department for 60 KVA Diesel Generator. Thus, this firm is recommended for purchase of said item.</p>

<p>Silencer with flexible exhaust.</p> <p>Governor Protection</p> <ul style="list-style-type: none"> • Electric / Mechanical • Overload Shutdown • Short circuit shut down • Low oil pressure shutdown • High water temperature shutdown • Under-speed shutdown • Over-Winding temperature shutdown • Over-Voltage monitor and tripping • Low-voltage monitor and tripping <p>Monitoring/Control Panels</p> <ul style="list-style-type: none"> • Automatic Alarm Monitor • Under/Over voltage <p>Metering</p> <ul style="list-style-type: none"> • Voltmeter • Frequency Meter • Ampere Meter • Hour meter <p>Batteries</p> <ul style="list-style-type: none"> • Heavy duty Lead Acid Batteries • Battery Rack and Cable • Auto battery charger <p>Standard Accessories</p> <ul style="list-style-type: none"> • Technical and Operational Manual (one set in original) <p>ATS Panel</p> <ul style="list-style-type: none"> • ATS panel 3 pole for 1 WAPDA meter • Battery Charger • MOR (manual over writable) • Tele-mechanic Contractors • ABB <p>Canopy</p> <ul style="list-style-type: none"> • Sound level 85db or less from one-meter distance 	<p>with flexible exhaust pipe.</p> <p>Governor Protection</p> <ul style="list-style-type: none"> • Electric Governor System • Overload Shutdown • Short circuit shut down • Low oil pressure shutdown • High water temperature shutdown • Under-speed shutdown • Over-Engine temperature shutdown • Over-Voltage monitoring and tripping • Low-voltage monitoring and tripping <p>Monitoring/Control Panels</p> <ul style="list-style-type: none"> • Automatic Alarm Monitor • Under-Over voltage <p>Metering</p> <ul style="list-style-type: none"> • Voltmeter • Frequency Meter • Ampere Meter • Hour meter <p>Batteries</p> <ul style="list-style-type: none"> • Heavy duty Dry Batteries • Battery Rack and Cable • Auto Battery charger <p>Standard Accessories</p> <ul style="list-style-type: none"> • Technical and Operational Manual (one original) <p>ATS Panel</p> <ul style="list-style-type: none"> • Standards ATS panel system with MOR for 1 WAPDA meter with tele-mechanic or ABB Contractors • Battery charger is fitted in Generator Control Module. <p>Canopy</p> <ul style="list-style-type: none"> • Imported sound and weather proof canopy with less than 85db sound level from one-meter distance • Power/ Control Cable: 50mm, 4core 	
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	<p>Warranty At least 1 year or 2000 hours after installation (service plus parts) Note: The nearest specification would be acceptable.</p>		<p>FAST cable brand, Power cable and 2.5 m, 4 Core, FAST cable, brand control cable.</p> <p>Warranty Complete 01 year or 2000 hours warranty from the date of testing and commissioning (consumables like filters, engine oil, batteries and routine service charges are not included in warranty).</p>	
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DIRECTOR FISHERIES (EXT)
PUNJAB LAHORE



DEPUTY DIRECTOR FISHERIES (P&D)
HEADQUARTER LAHORE