

**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**

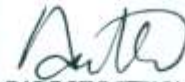
Sr.#	Approved Specification of the Department	Name of the Firm & Address	Specification/Brand/Model quoted by the Firm Diesel Generator	Remarks/Recommendation with reasons
1.	<p>Origin of Brand: West Europe, UK, USA, Japan &amp; Canada etc.</p> <p>Capacity Prime Rating 60 KVA to 80 KVA</p> <ul style="list-style-type: none"> <li>Heavy Duty Fabricated steel skid type based frame with anti-vibration mounting/ isolators.</li> <li>Diesel fuel tank for minimum 8 hours of continuous run</li> </ul> <p><b>Engine</b></p> <ul style="list-style-type: none"> <li>Prime power rating 60 KVA to 80 KVA</li> <li>Direct coupled with Alternator</li> </ul> <p><b>Alternator</b></p> <ul style="list-style-type: none"> <li>Brushless</li> <li>Self-excited</li> <li>Automatic voltage frequency regulated</li> <li>Automatic frequency regulated</li> <li>400/220 Volt, 3-Phase, 4 wire, 50Hz (Nominal frequency)</li> <li>F/H type insulated</li> </ul> <p><b>Speed</b></p> <ul style="list-style-type: none"> <li>1500RPM (minimum)</li> </ul> <p><b>Exhaust System</b></p> <ul style="list-style-type: none"> <li>Heavy Duty Residential Grade</li> </ul>	<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 <b>Generator Type:</b> 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><b>Engine</b></p> <ul style="list-style-type: none"> <li>Prime power rating 60 KVA Direct coupled with Alternator</li> </ul> <p><b>Alternator</b> STAMFORD UK from their any of world plant</p> <ul style="list-style-type: none"> <li>Brushless</li> <li>Self-excited</li> <li>Automatic voltage regulated</li> <li>Automatic frequency regulated</li> <li>230/400 Volt, 3-Phase, 4 wire, 50Hz (Nominal frequency)</li> <li>Class H type insulation.</li> </ul> <p><b>Speed</b></p> <ul style="list-style-type: none"> <li>1500RPM</li> </ul> <p><b>Exhaust System</b></p> <ul style="list-style-type: none"> <li>Heavy Duty Residential Grade Silencer</li> </ul>	<p>This firm has quoted specifications which match the approved specification of the Department for 60 KVA Diesel Generator. Thus, this firm is <b>recommended</b> for purchase of said item.</p>

<p>Silencer with flexible exhaust.</p> <p><b>Governor Protection</b></p> <ul style="list-style-type: none"> <li>• Electric / Mechanical</li> <li>• Overload Shutdown</li> <li>• Short circuit shut down</li> <li>• Low oil pressure shutdown</li> <li>• High water temperature shutdown</li> <li>• Under-speed shutdown</li> <li>• Over-Winding temperature shutdown</li> <li>• Over-Voltage monitor and tripping</li> <li>• Low-voltage monitor and tripping</li> </ul> <p><b>Monitoring/Control Panels</b></p> <ul style="list-style-type: none"> <li>• Automatic Alarm Monitor</li> <li>• Under/Over voltage</li> </ul> <p><b>Metering</b></p> <ul style="list-style-type: none"> <li>• Voltmeter</li> <li>• Frequency Meter</li> <li>• Ampere Meter</li> <li>• Hour meter</li> </ul> <p><b>Batteries</b></p> <ul style="list-style-type: none"> <li>• Heavy duty Lead Acid Batteries</li> <li>• Battery Rack and Cable</li> <li>• Auto battery charger</li> </ul> <p><b>Standard Accessories</b></p> <ul style="list-style-type: none"> <li>• Technical and Operational Manual (one set in original)</li> </ul> <p><b>ATS Panel</b></p> <ul style="list-style-type: none"> <li>• ATS panel 3 pole for 1 WAPDA meter</li> <li>• Battery Charger</li> <li>• MOR (manual over writable)</li> <li>• Tele-mechanic Contractors</li> <li>• ABB</li> </ul> <p><b>Canopy</b></p> <ul style="list-style-type: none"> <li>• Sound level 85db or less from one-meter distance</li> </ul>	<p>with flexible exhaust pipe.</p> <p><b>Governor Protection</b></p> <ul style="list-style-type: none"> <li>• Electric Governor System</li> <li>• Overload Shutdown</li> <li>• Short circuit shut down</li> <li>• Low oil pressure shutdown</li> <li>• High water temperature shutdown</li> <li>• Under-speed shutdown</li> <li>• Over-Engine temperature shutdown</li> <li>• Over-Voltage monitoring and tripping</li> <li>• Low-voltage monitoring and tripping</li> </ul> <p><b>Monitoring/Control Panels</b></p> <ul style="list-style-type: none"> <li>• Automatic Alarm Monitor</li> <li>• Under-Over voltage</li> </ul> <p><b>Metering</b></p> <ul style="list-style-type: none"> <li>• Voltmeter</li> <li>• Frequency Meter</li> <li>• Ampere Meter</li> <li>• Hour meter</li> </ul> <p><b>Batteries</b></p> <ul style="list-style-type: none"> <li>• Heavy duty Dry Batteries</li> <li>• Battery Rack and Cable</li> <li>• Auto Battery charger</li> </ul> <p><b>Standard Accessories</b></p> <ul style="list-style-type: none"> <li>• Technical and Operational Manual (one original)</li> </ul> <p><b>ATS Panel</b></p> <ul style="list-style-type: none"> <li>• Standards ATS panel system with MOR for 1 WAPDA meter with tele-mechanic or ABB Contractors</li> <li>• Battery charger is fitted in Generator Control Module.</li> </ul> <p><b>Canopy</b></p> <ul style="list-style-type: none"> <li>• Imported sound and weather proof canopy with less than 85db sound level from one-meter distance</li> <li>• Power/ Control Cable: 50mm, 4core</li> </ul>	
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DIRECTOR FISHERIES (EXT)  
PUNJAB LAHORE



DEPUTY DIRECTOR FISHERIES (P&D)  
HEADQUARTER LAHORE