



Pakistan State Oil Company Limited

PSO House, Khayaban-e-Iqbal, Clifton, Karachi-75600, Pakistan
Telephone (021) 9203866-85 Fax (021) 9203796

PAGE

1	OF	9
RFQ No	RC-19986IA	
DATE	09.09.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100018136

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

25.09.2026

BY
(Time)

2:15 PM

Please quote your best price for all items of following specifications. Please read the instructions attached herewith Rs. _____ EARNEST MONEY Fix %
PO/DD NO. _____

Title: Supply of DG Sets for PSO Retail Outlets at Central Store KTB.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<u>DG Set 30 KVA</u> Supply of 30KVA DG Sets at PSO Central Store Keamari Terminal-B. PSO REQUIREMENTS: Alternator: - Output Power (Prime): 30 kVA / 24 kWe. - Voltage: 400 / 230 Volt. - Frequency: 50 Hz. - System: 3 Phase, 4 Wires. - Type: Brushless Self-Excited. - Voltage Regulation: Through AVR, $\pm 1.5\%$. - Speed: 1500 rpm. - Type of Enclosure: IP 23. - Insulation Class: H. - Power Factor: 0.8 Lagging. - Ambient Temperature: 40°C. - Operational Altitude: Upto 1000 m above Sea Level. Engine: - Type: Diesel 4 Stroke. - Standby Power: 28 - 32 kW. - Prime Power: 26 - 30 kW. - Speed: 1500 rpm. - Fuel Consumption: Upto 8 Liters / Hours (on full load). - Type of Cooling: -- Water cooled. -- Radiator with engine driven pusher type fan. -- Max. Water/Coolant Temperature: 100-110°C. Control Panel: - Suitable for Outdoor Operation. - 3-Pole Moulded Case Circuit Breaker (MCCB). - Ammeter.	<u>Keamari Terminal</u>	<u>EA</u>	15		



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	- Frequency Meter. - Voltmeter. - Power Meter. - Engine Speed. - Battery Charging Status. - Hour Meter. - Alarms and Shutdown features for technical protection of DG set. - Low Oil Pressure. - High Coolant Temperature. - Over/Under Voltage Protection. Approval/Certification/Compliances:,, - ISO 8528. - ISO 3046. - IEC 60034 / BS 5000. Canopy & Mounting: - Canopy shall house complete DG set including engine, alternator, operating panel<(>,<)> - Small detachable four wheels for limited movement<(>,<)> - Weather proof<(>,<)> - Powder coat painted<(>,<)> - Sound level below 85 dB at 1 meter<(>,<)> - Anti vibrating mounting on common skid for engine, alternator and control panel<(>,<)> - Built in fuel tank of capacity suitable for 8 to 12 hours operation at Full Load,,Complete diagram and manual for operation and maintenance. Warranty: - Warranty of 18 months from date of equipment supply at PSO store or 12 months after commissioning at site, whichever comes first.,, Accessories: - Industrial type silencer. - Lead acid battery (dry condition) with connection leads.					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
2	- Tool kit for routine maintenance. - Engine operating manual. - Spare parts catalogue. - Wiring diagram. Note: - The offered DG sets will be fresh from stock, not more than 6 months old. DG Set 60 KVA Supply of 60KVA DG Sets at PSO Central Store Keamari Terminal-B. PSO REQUIREMENTS: Composition (Parts of Equipment): - Engine. - Cooling System. - Alternator. - Control Panel. - Fuel Tank. - Canopy (Factory Fitted). Alternator: - Output Power (Prime): 60 kVA / 48 kWe (DG Set in a range of 60- 63 KVA would be acceptable). - Voltage: 400 / 230 Volt. - Frequency: 50 Hz. - System: 3 Phase, 4 Wires. - Type: Brushless Self-Excited. - Voltage Regulation: Through AVR, ± 1%. - Speed: 1500 rpm. - Type of Enclosure: IP 23. - Insulation Class: H. - Power Factor: 0.8 Lagging.	Keamari Terminal	EA	10		



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Title: Supply of DG Sets for PSO Retail Outlets at Central Store KTB.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	- Ambient Temperature: 40°C. Note: Genset should be able to give output power of 60-63 KVA (Prime Power) at 40°C. Engine: - Type: Diesel 4 Stroke. - Aspiration: Turbocharged. - Governor Type: Electronic Governor. - Overload Capacity: 10 % for 1 hour in 12 hrs. - Standby Power: As per Manufacturer's standard. - Prime Power: As per Manufacturer's standard. - Cylinder: As per Manufacturer's standard. - Compression Ratio: As per Manufacturer's standard. - Speed: 1500 rpm. - Fuel Consumption: Upto 15 Liters / Hours (on full load). - Type of Cooling: Water Cooled. Control Panel: - DG set shall operate on Automatic/ Manual mode as per requirement.,, - Combined Control and AMF Panel shall be mounted on the same skid consisting of following main components: -- 3-Pole Moulded Case Circuit Breaker (MCCB) comprising of: a. Thermal Overload. b. Over/Under Voltage Protection. c. Short Circuit Protection. -- Metering & Indications: a. Voltages Ph/ Ph & Ph/N. b. Phase Current. c. Neutral Conductor Current. d. Frequency. e. Revolutions per minute. f. Hour Run Counter. g. Lube Oil Pressure. h. Cooling water inlet/ outlet temperature. i. Battery volts.					



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5	OF	9
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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	-- Alarms & Shutdowns: a. Over/ Under Voltage. b. Over/ Under Frequency. c. Low lube oil Pressure. d. High Generator Winding Temperature. e. Engine over speed. f. Emergency stop. g. Fail to Start. h. Battery Charge Fail. i. High/ Low Battery Voltage. j. Starting System: 24 V DC Motor with provision of autostart. Cooling System: - Cooling System with tropical radiator suitable for operation at 40°C. - Water pump type: As per manufacturer's standard. - Cooling System Capacity: As per manufacturer's standard. - Lube Oil: As per manufacturer's standard. - Heat radiation to room: As per manufacturer's standard. - Radiator Fan Load: As per manufacturer's standard. Air System: - As per manufacturer's standard. Lubrication System: - Oil Filter Type: As per manufacturer's standard. - Total Oil Capacity: As per manufacturer's standard. - Oil Pan Litres: As per manufacturer's standard. Fuel System: - Fuel Filter Type: Replaceable Element. - Recommended Fuel: Class A2 Diesel. Exhaust System: - Exhaust Silencer shall provide a moderate muffling of engine noise.					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	Approval/Certification/Compliances: 1. ISO 8528. 2. ISO 3046. 3. IEC 60034 / BS 5000. Canopy & Mounting: - Factory fitted steel canopy,, - The canopy shall be made of MS Frame, sheets and provided with best quality sound proof insulation and gaskets complete in all respect. - Canopy shall house complete DG set including engine<(>,<)> alternator, operating panel. - Weather proof. - Painted outside/ inside with epoxy paints and shall be water proof. - Sound level below 85 dB at 1 meter. - Anti vibrating mounting on common skid for engine, alternator and control panel. - The engine and alternator are to be coupled by means of flexible coupling and mounted on heavy duty steel base frame. - Built in fuel tank of capacity suitable for 8 to 12 hours operation at Full Load. Warranty: - The offered bid shall include comprehensive warrantee/ after sales service for 18 months from date of equipment delivery or 12 months from commissioning at site, whichever comes first. During this period the supplier shall be liable to replace, free of cost, any part/ component of generator due to malfunction/damage. Performance guarantee submitted along with the bid will be retained by PSO during the warrantee period. Accessories: - Industrial type silencer. - Lead acid battery (dry condition) with connection leads. - Standard Tool kit for routine maintenance. - Supply of genuine spare parts from generator manufacturer: -- Air filter = 4 Nos.					



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PAGE

7	OF	9
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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
3	-- Lube oil filter = 4 Nos. -- Fuel filter = 4 Nos. -- Water filter = 4 Nos. Note: - DG set should be new and manufactured within one year before shipment.					
3.01	<u>Testing & Commissioning of DG Sets</u> <u>PSO House</u> <u>Testing & Commissioning</u> - Testing and Commissioning of the 30 KVA DG Sets to be carried out by the vendor. - The supplier / local agent shall depute his qualified technician for commissioning checks and start up activities including all accessories <(>,<)> tools, tackles and material required for commissioning activities.		<u>JOB</u>	15		
3.02	<u>Testing & Commissioning</u> - Testing and Commissioning of the 60 KVA DG Sets to be carried out by the vendor. - The supplier / local agent shall depute his qualified technician for commissioning checks and start up activities including all accessories, tools, tackles and material required for commissioning activities. =====		<u>JOB</u>	10		
	GENERAL REQUIREMENT: 01. Name /date plate to be pasted / embosses on the front of the unit. 02. The supplier shall provide Factory Test Certificates. 03. The supplier shall provide Certificate of Origin/Import documents. 04. The supplier shall provide Commissioning, Operation, Installation, Maintenance Manual & Spare Parts Catalogue. 05. The supplier shall provide Control Wiring Diagram. 06. Load test of any one random unit as per applicable standards to be inspected by PSO engineer at local supplier's premises, prior to dispatching the DG sets to PSO store. 07. Supplier is responsible to ensure smooth operation of DG sets within warrantee period and arrange rectification of the problem at the					



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	earliest. 08. Testing and commissioning of the DG Sets to be carried out by the vendor as per Bill of Quantities. The supplier / local agent shall depute his qualified technician for commissioning checks and start up activities including all accessories, tools, tackles and material required for commissioning activities.,, 09. Supplier shall provide the technical details of offered generator in the form of printed catalog/ brochure by manufacturer along with the bid. 10. Acceptance Test (FAT) to be witnessed by PSO appointed third party inspection company. All arrangement and expenses for testing including Diesel, Engine oil and load bank will be borne by the manufacturer except for charges for appointing or those related to third Party inspection company. Manufacturer shall carry out performance Test/ Load test of the DG set in the presence of PSO appointed third party inspectors at its own premises and produce the Performance Test Report prior to packing and shipment. The load test will be carried out as per attached load test plan. 11. The acceptance of generator shall be subject to inspection by the representative of indenting and user Department of PSO. Supplier will then arrange delivery of DG set at the designated PSO Location. Acceptance of equipment shall be subject to prior inspection of Equipment/Material and Packing by any PSO nominated 3rd party (to be arranged by PSO). 12. Fixed Asset Number (FXA) to be printed / embossed on each equipment at a clearly visible place in the following SAMPLE format "PSO FXA # 38005765". The series of Fixed Asset Numbers (Actual) for all equipment will be provided at the time of issuance of Purchase Order. The printing / embossing should be of permanent type and not peel off or fade out with time. The same number should appear on the packing of the equipment for ease of identification. 13. The supplier/ Manufacturer will arrange Equipment inspection at their Factory premises before shipment in country of origin. The manufacturer has to make available sufficient quantity of unpacked lot to third party inspector for random inspection as per MIL standard 105					



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	E, Level III, AQL 1.0. The 3rd party will also inspect the equipment specifications along with the packing quality and necessary marking on packing. The goods will be shipped after clearance / acceptance of Inspection from PSO provided by Third Party Inspector after successful completion of job at manufacturer's premises. 14. PSO reserves the right to change (increase or decrease) the quantities after issuance of tender or purchase order with prior information. PACKING: - Shock Proof Wooden frame with hard board ply wood packing. DELIVERY SCHEDULE: - 100% of lot will be delivered within 90 days after the issuance of Purchase Order. - Total Quantity may be delivered in one or more lots and part payment will be allowed on part deliveries. PENALTY CLAUSE: - In accordance with the agreed delivery schedule, the Supplier shall deliver the materials in specified lots within the stipulated timelines as outlined in the Purchase Order/Contract. In the event of failure to deliver any lot, either in full or in part, within the specified time, a penalty shall be imposed on the undelivered quantity as follows: 1. Penalty Rate: A penalty at the rate of 0.1% of the total value of the undelivered quantity per day of delay shall be levied, subject to a maximum of 10 % of the value of the work order. 2. Calculation: Penalty = (Value of Undelivered Quantity) x (Penalty Rate per day) x (Number of days delayed). - Security deposit to be released after completion of warranty period mentioned above. AMOUNT OF BID SECURITY: - RS. 1,000,000/-.					