



Pakistan State Oil Company Limited

PSO House, Khayaban-e-Iqbal, Clifton, Karachi-75600, Pakistan

Telephone (021) 9203866-85 Fax (021) 9203796

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RFQ No	CF-20039AM	
DATE	24.09.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100018372

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

08.10.2026

BY
(Time)

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

Title: Installation, Testing and Commissioning of 150 KVA DG Set with canopy at PSO Serai Naurang Depot

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<u>Inst. Services</u>	<u>PSO House</u>				
1.01	<u>INSTALLATION OF DG SET</u> Work Scope of Complete Project: 1) Dismantling of the existing 300 kVA DG set from its existing foundation and shifting it to the store/scrap yard designated by PSO. 2) Construction of suitable RCC foundation for the new 150 kVA DG set, including all necessary civil works. 3) Transportation within site, placement, alignment and complete installation of the new 150 kVA DG set at the designated location. DG Set dimensions are given in the drawing attached with the RFQ. 4) Supply, laying, dressing, glanding and termination of power cables from the new DG set to the existing changeover panel, including all required cable accessories 5) Earthing Works 6) Supply and installation of suitable exhaust silencer for the new 150 kVA DG set, including necessary supports, exhaust piping/connections and accessories. Note: The 150 kVA DG set will be provided by PSO. Commissioning and functional testing of the DG set shall be carried out in the presence of DG set supplier. Exclusions: Exclusions: 1) Existing LT supply cable from LT Panel to the existing Changeover Panel shall remain unchanged and is not included in the scope. 2) Existing Changeover Panel shall remain unchanged and is not included in the scope 3) Supply of the 150 KVA DG Set is excluded from scope. The DG Set shall be provided by PSO. Installation, testing, and commissioning of 150 KVA diesel generator set with factory-fitted canopy at PSO's Serai Naurang Depot. The scope includes, but is not limited to, the following:	<u>JOB</u>	1			



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	1) Shifting and placing of DG set with canopy on concrete foundation (Civil foundation work is covered under a separate item.), including alignment, grouting and secure anchoring as per requirement complete in all respect. All lifting, handling, rigging, and placement arrangements (crane, tools, labor) shall be made by the contractor and included in this item. Contractor to arrange certified operator for proper lifting of DG set. 2) Supply and installation of an external exhaust extension system as per requirement complete in all respect and to the satisfaction of PSO team. Exhaust piping shall include bends, hangers/supports, and 25 mm thick glass wool insulation. Entire exhaust line to be clad with G.I. sheet (double coat). Construction/shop drawing to be submitted to PSO team for approval prior to execution. 3) Termination of incoming and outgoing power/control cables with appropriate size cable glands, cable lugs, and insulation complete in all respect. Proper cable dressing, tagging, labeling, and routing in line with good engineering practices complete in all respect and to the entire satisfaction of PSO team. 4) Connection of DG set neutral and DG set body to the earthing system. Provision of dedicated body earthing for the generator canopy. 5) Check and fill battery electrolyte. Contractor to ensure the DG starting system is complete and functional. 6) Complete functional testing of the DG set including no-load and load trial run, checking voltage, frequency, phase rotation, auto/manual controls, alarms, and safety interlocks. Commissioning shall be performed in the presence of PSO team, Depot team & DG Set Supplier. 7) Contractor shall supply all necessary tools, tackles, manpower,					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1.02	consumables, material, and testing equipment required for successful and safe installation complete in all respect and to the entire satisfaction of PSO team <u>Dismantling</u> Dismantling and safe shifting of the existing 300 KVA diesel generator set (without canopy) from its current location inside the DG Set Room to the PSO-designated store/scrap yard within the plant premises. The scope includes the following: 1) Disconnect all electrical connections from the DG set and associated distribution/control panels, including cable removal at both DG and panel ends. Cable to be insulated after disconnection. 2) Dismantle the DG set from its base/foundation, including unbolting and detaching any accessories complete in all respect. 3) The contractor shall arrange all necessary equipment such as crane /chain pulley block /forklift, or any suitable lifting/rigging equipment as per requirement to shift the dismantled DG set safely to the designated store/scrap yard within the plant as advised by PSO. Contractor to ensure proper lifting techniques and certified operators are used to prevent damage to equipment or injury. 4) DG set to be placed on a stable surface, covered with tarpaulin if stored in open area, and protected from weather and mechanical damage.		<u>M3</u>	1.000		
1.03	<u>Cables 3 C-95 sq.mm XLPE/PVC/SWA/PVC</u> Laying, handling, testing, and termination of 3.5 core, 95 sq.mm, Cu/PVC/SWA/PVC cable from the Changeover Panel to the DG Set complete in all respect and to the entire satisfaction of PSO Team. Termination of the cable at both ends (DG set and changeover panel) using tinned copper lugs and brass cable glands of appropriate size. Proper crimping tools and methods shall be used to ensure secure terminations. Contractor to ensure phase sequence is verified during termination.		<u>M</u>	30		
1.04	Supply & Installation of lugs and glands is included in this item <u>Cables 1 C-50 sq.mm PVC/PVC</u> Laying, handling, testing and termination of cable 50 sq. mm, single core PVC/PVC (Green/Yellow) for generator neutral earthing, complete in		<u>M</u>	30		



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1.05	all respect and to the entire satisfaction of Engineer Incharge <u>Cables 1 C-70 sq.mm PVC/PVC</u> Laying, handling, testing and termination of cable 70 sq. mm, single core PVC/PVC (Green/Yellow) for Generator Earthing, complete in all respect and to the entire satisfaction of Engineer Incharge.		<u>M</u>	30		
1.06	<u>Installation of Earthing Electrode</u> Installation, testing and commissioning of a complete earthing system for the 150 KVA DG Set, including installation of earthing electrode(s) by lowering them into suitable bore(s) of the required depth to achieve an earth resistance of less than 5 Ohms. The scope shall include excavation/drilling of bore(s), installation of earthing electrode(s), backfilling with approved earthing compound, and construction of concrete inspection pit(s) of 300 × 300 × 200 mm with heavy-duty CI cover, complete in all respects. The contractor shall provide and install 70 sq.mm bare stranded copper earthing conductor from the earthing electrode(s) to the DG earth bar, including all required clamps, lugs, connectors, exothermic welds/compression joints (as applicable), supports and accessories for a complete and reliable earthing system. The contractor shall provide separate earthing connections for DG set body, DG neutral and DG canopy, as applicable, and connect the same to the designated earth bar/earthing system. All connections shall be mechanically secure and electrically continuous. Upon completion, the contractor shall carry out earth resistance testing using a calibrated earth resistance tester and ensure that the measured earth resistance is less than 5 Ohms. Test results shall be submitted to PSO in the form of duly signed test reports.		<u>EA</u>	3		
1.07	<u>Installation of Copper Earth Bar</u> Installation of Tinned Copper Earth Bar 40 x 6 mm - 300 mm long complete in all respect and to the entire satisfaction of Engineer Incharge.		<u>EA</u>	2		
1.08	<u>Cable Tray</u> Fixing and installation of 200 mm × 200 mm GI cable tray for laying of 3.5C × 95 sq.mm power cable, including fixing brackets, support channels, nuts, bolts, bends, couplers, covers and all other accessories required for complete installation. The scope shall include: 1) Supply and installation of suitable supporting structure, including		<u>M</u>	15		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	brackets, angles, channels, clamps and anchor fasteners for the cable tray. 2) Support spacing shall be selected based on the cable weight, tray load-carrying capacity and site conditions to ensure adequate mechanical strength and sag-free installation. 3) Contractor shall submit the cable tray layout and support details, including support spacing and anchoring arrangement, for approval prior to installation. 4) Cable trays shall be installed properly aligned, levelled and securely supported, with all joints mechanically fastened. 5) All cut edges and damaged galvanized surfaces shall be properly treated with approved zinc-rich coating to prevent corrosion. 6) Cable tray shall be provided with GI covers throughout the exposed/open portions as required. 7) Installation shall be complete with all necessary bends, tees, reducers, couplers, clamps, fasteners, supports and accessories, whether specifically mentioned or not, required for a complete and functional installation					
1.09	<u>Excavation for foundation</u> Excavation for foundation in any kind of strata available at site, including all leads, disposal of surplus excavated material as directed by PSO, backfilling around foundation with approved excavated material, dressing and levelling of bottom of excavation, watering and compaction, complete in all respects as per approved foundation drawing and to the satisfaction of Engineer Incharge		<u>M3</u>	10.000		
1.10	<u>Providing and Laying 1:4:8 SR cement</u> Providing services for making and laying CC 1:4:8 (using S.R cement) of specified strength using approved quality 3/4" mix. size graded crushed aggregate and fine aggregate including approved form work and its removal, levelling, compacting, rodding, vibrating, finishing and curing etc. excluding cost of reinforcement.		<u>M3</u>	2.000		
1.11	<u>Providing and Laying 1:2:4 SR cement</u> Providing services for making & laying structural concrete of 1:2:4. Mix with required minimum work "cube crushing strength 3000 PSI at 28 days using crushed stone 3/4"" and down gauge for reinforced cement concrete		<u>M3</u>	4.000		



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1.12	of any size and section including cost of all material, form work, of partial wood and its removal, labor and equipment's, including compacting, vibrating, curing etc. complete but excluding cost of reinforcement as per instructions of Engineer Incharge. Sulphate Resistant Cement to be used TOR STEEL		KG	200.000		
1.13	Installation of steel reinforcement bars including straightening, removing twists, cutting, bending, binding, placing in position on precast cc chairs, tying with bending wires, complete as per instructions of the Engineer Incharge Steel structure fabrication		KG	200.000		
2	Fabrication <(>&<)> Erection of Misc. Steel Structure as per site requirements complete in all respect and to the entire satisfaction of Engineer Incharge. The scope of work also includes preparation of the surface by mechanical cleaning and application of Red Lead Primer of to a DFT of 50 Microns in a minimum two coats and 2 Coats of Enamel Finish Paint (Matt Finish) in specified shade to a DFT of 50 microns. CABLE 3½ C-95 sq.mm PVC/PVC/SWA/PVC	Serai Naurang (Depot)	M	35		
3	Supply of copper conductor 3.5 core 95 sq. mm Cu PVC/SWA/PVC cable manufactured as per BS-6346. Note: Only genuine cable will be acceptable. Contractor will submit original delivery challan of the cable manufacturer along with the bills. CABLE 1 C-50 sq.mm PVC/PVC	Serai Naurang (Depot)	M	30		
4	Supply of 600 / 1000 V , 1 core 50 sq.mm Cu/PVC/PVC (Green/Yellow) grade copper conductor cable. CABLE 1 C-70 sq.mm PVC/PVC	Serai Naurang (Depot)	M	30		
	Supply of 600 / 1000 V 1 core 70 sq.mm Cu/PVC/PVC (Green/Yellow) grade copper conductor cable.					



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5	<u>Earthing Electrode</u> Supply of 10 ft. long earthing electrodes 3/4" dia copper electrode.	<u>Serai</u> <u>Naurang</u> <u>(Depot)</u>	<u>EA</u>	3		
6	<u>Earthing connecting point</u> Supply of tinned copper earth bar 40 X 6 mm - 300 mm long. The earth bar shall be supported on insulators with required number of holes complete with nuts and bolts of ECC.	<u>Serai</u> <u>Naurang</u> <u>(Depot)</u>	<u>EA</u>	2		
7	<u>Cable Tray</u> Supply of 200 mm x 200 mm, 2 mm thick GI perforated cable tray, manufactured from galvanized steel sheet, complete with GI covers, bends, tees, reducers, couplers, jointing hardware and all other required accessories, as required for laying of 3.5C x 95 sq.mm power cable, complete in all respects and to the satisfaction of Engineer Incharge.	<u>Serai</u> <u>Naurang</u> <u>(Depot)</u>	<u>M</u>	15		
8	<u>TOR Steel Reinforcement Bars</u> Supply of steel reinforcement bars after straightening, removing twists, cutting-bending, binding, wastage and such overlaps as are not shown on drawing, placing in position or precast cc chairs, tying with bending wires complete as per instructions of the engineer incharge. Terms <(>&<)> Conditions: 1.,,Actual installed material will be used for calculation of weight. 2.,,All equipment to be checked and inspected by PSO team. 3.,,Any site office, store, utility supplies(Electricity, Wateretc.) required at site during the execution of works shall have to be arranged	<u>Serai</u> <u>Naurang</u> <u>(Depot)</u>	<u>KG</u>	200.000		



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	by the contractor. 4.,,Contractor will follow all quality standards given time to time. M <(>&<)>R Engineer along with Contractor must maintain the logbook at Site and any changes or observations to be recorded and signed by the project Engineer. 5.,,Contractor will utilize skilled manpower for the execution of the project." 6.,,providing all tools and equipment required for execution of complete job/ project is the sole responsibility of the contractor. 7.,,Contractor will provide activity based schedule after issuance of work order. 8.,,All rates shall be inclusive of all duties, taxes (GST/SST/PSTetc.), levies and transportation charges. 9.,,All type of consumables, arrangement etc. required for complete scope of work shall be provided by the contractor without any additional cost. 10.,,All installation shall be done as per satisfaction of PSO team. 11.,,Contractor shall provide1yearwarrantyof the supplied material. 12.,,All field test, megger, continuity test shall be performed during installation in the presence of Project Engineer. 13.,,Contractor shall restore the site at its original condition after completion of respective jobs. Clearing of debris would also be the responsibility of contractor. 14.,,Contractor shall strictly adhere and comply with the HSE policy. No					



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	compromise would be allowed on HSE during construction works. Contractor shall arrange PPEs (Personal Protective Equipment) and ensure that staff wear the PPEs during execution of work. 15.,,Prior Approval must be taken for all material to be supplied before commencement of works. Sample to be provided if required/ asked by the HO Engineer. 16.,,The quantities of items may increase or decrease at site. Payment would be made on the basis of actual work-done. 17.,,The Contractor shall make and submit the As-Built Drawings, Test Reports, Factory test report of the DG Set in a professional manner on completion of the project. 18.,,Prior approval must be taken for all material to be supplied before commencement of works. Sample to be provided if require / asked by the HO engineer. 19.,,Project completion time is 120 calendar days. Sundays and gazette holidays are nonworking days and included in calendar days. 20.,,Contractor will follow the Plant timings. Plant timings are from Monday to Friday (8:00A.Mto05:00PM)<(><(> Saturday(8:00AMto1:00 PM). 21.,,Contractor will provide activity based schedule after issuance of work order. 22.,,Contractor shall restore the site at its original condition after completion of respective jobs. Clearing of derbies would also be the responsibility of contractor.					