



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	RC-19556IA	
DATE	15.03.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)
SAP No.6100016121

Company PSO Dummy Vendor PAKISTAN	QUOTATION REQUIRED			
	ON (Date)	01.04.2026	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 %
PO/DD NO. _____

Title: Supply of Price Display Units for Monolith Towers at PSO Central Store - KTB.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	Digital Price Change Unit (PCU) Supply of Price Digital Display Units as per Specifications mentioned below.	Keamari Terminal	EA	270		
2	Power Supply / Driver for Monolith Tower Supply of Power Supply / Driver for Price Display Units as per Specifications mentioned below.	Keamari Terminal	EA	90		
3	Handheld RC for Monolith Tower Supply of Handheld Remote Control and Remote Communication for Changing Price at Monolith Towers as per Specifications mentioned below.	Keamari Terminal	EA	45		
4	Digital Price Change Unit (PCU) Supply of Price Digital Display Units as per Specifications mentioned below.	Keamari Terminal	EA	150		
5	Power Supply / Driver for Monolith Tower Supply of Power Supply / Driver for Price Display Units as per Specifications mentioned below.	Keamari Terminal	EA	50		
6	Handheld RC for Monolith Tower Supply of Handheld Remote Control and Remote Communication for Changing Price at Monolith Towers as per Specifications mentioned below. =====	Keamari Terminal	EA	25		
<p>SPECIFICATIONS:</p> <p>PRICE DIGITAL DISPLAY UNIT:</p> <ul style="list-style-type: none"> - 7 segment LED display for 3 no Large digits display; one dot and 2 No. small digits are full LED display, Panel in slim design intended for direct exterior display, completely water proof/ dust proof IP-65 or better compliant. - Number of Digits: 3 [Large] + 2 [Small] Minimum 16 Nos. of LEDs to be soldered in each segment of large digit and 09 Nos. of LEDs to be soldered in each segment of small digit. 						



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	<ul style="list-style-type: none"> - Type of LED: Green LEDs in oval shape of size 5mm-4mm with wide viewing angle (upto 120°) and readability in sunlight and could provide extremely stable light output over long periods of time. - Material of LED: LED to be made with high temperature and high moisture resistance performance material in outdoor sign applications in direct sunlight. - Color Temperature: Green. - Luminous Intensity (LED): 5700 - 9000 mcd. - Brightness control: Automatic brightness control depending upon the ambient light via brightness control sensor. - The displays also adjust themselves automatically to the amount of ambient light, ensuring optimum legibility in all weather conditions. like a) Bright sunlight led intensity 100%. b) Cloudy / fog condition LED intensity 50%. c) Moonlight / night LED intensity 5 to 10 % or as per requirement. - Provision of manual adjustment of brightness upto 5 levels comprise of 20%, 40%, 60%, 80% and 100% of maximum brightness level. - LED Rated Life: >= 50,000 hours at L80 (L80 Test report/certificate to be provided). - Digits Size (Approx.): <ul style="list-style-type: none"> -- Large Digit [12"] 320 x 170 mm [3 rows of LEDs]. -- Small Digit [6"] 150 x 80 mm [2 rows of LEDs]. - Digit Spacing (Approx.): <ul style="list-style-type: none"> -- Large Digit 56 mm. -- Small Digit 40 mm. - Price Display update options: Wirelessly through handheld device, i.e. remote control or via GSM as mentioned in Communication. - PCB: Multilayer PCB of FR 4 or higher standards, The component should be properly soldered via through hole soldering. - Display Panel Dimensions [Single Product]: <ul style="list-style-type: none"> -- Length - 2 feet 11 inches (889 mm Approx.). -- Height - 16 inches (406 mm Approx.) - Protection for LEDs/ Other components: <ul style="list-style-type: none"> -- Protection to be provided against electrical overload. 					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	<p>-- Display panel IP Rating: IP65 or better</p> <p>-- All components associated with the display panel including but not limited to electrical circuitry, junction boxes, connectors, and related enclosures shall be IP65 compliant.</p> <p>- The Contractor shall be responsible for conducting pre-delivery testing from laboratory on 5% of each lot of units to ensure compliance for water ingress protection of IP65 rating or higher, with all associated testing costs falling within the scope of the Contractor's responsibilities.</p> <p>- Furthermore, the Contractor is obligated to submit test reports for tested units.</p> <p>- Background Color of Digits: Black.</p> <p>- Power Consumption/Display Unit <= 50 watts.</p> <p>- Operating Temperature [LED]: -10°C ~ +50°C.</p> <p>- Temperature Control/ Protection: Provided with integrated temperature sensor or integrated passive heat sink.</p> <p>POWER SUPPLY / DRIVER:</p> <p>- Power Supply Should be able to handle load of at least 3 price change units.</p> <p>- Input Voltage Range AC: 230V +/- 20% (50Hz +/- 5%).</p> <p>- Output Power DC: 150 W or as per PDU requirement.</p> <p>- Efficiency 85% or above.</p> <p>- Power factor >= 0.90.</p> <p>- Protections: Over temperature protection, Overload protection and Short-circuit protection.</p> <p>- Operating temperature: -10°C to + 55°C or above.</p> <p>- IP -65 or above.</p> <p>- Certification: CE/UL/IEC approved or equivalent.</p> <p>Distribution Box: Following safety measured to be installed in DB.</p> <p>- The power supply unit to be installed in DB box with ELCB breaker 40A and each box have 2 power supply installed in them. That is single DB to given for 6 Price change units.</p> <p>- Adjustable over and under voltage protector 40A.</p>					



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	<ul style="list-style-type: none"> - Surge protection devices 2 pole of 40KA. - Volt meter and Ammeter. - Light indicators for phases. - Miniature circuit Breaker of 10 A single pole. - The DB should be IP 44 rated with proper wire glands, rubber seal/gaskets to be used for protection against dust and water particle from inlets, outlets, doors of DB. <p>Note:</p> <ul style="list-style-type: none"> - All internal cabling for PDU installation to be provided by PDU supplier as per their installation mechanism of PDU and drawing for installation of same will be shared by supplier. <p>HANDHELD REMOTE CONTROL & REMOTE COMMUNICATION:</p> <ul style="list-style-type: none"> - Display unit shall be managed from a central location, so that it shall communicate/integrate with other PSO controllers/centralized system in order to change price, configuration and diagnosis from remote locations, i.e. Head Office, etc. - Communication type GSM with static IP. - The system shall be capable to communicate data/commands with PSO central application via web service through 3G/4G sim data connection with static IP address. Vendor shall provide any WSDL/XML necessary for configuration at central application configuration to carry out data communication. In case of any central application requirement, it shall be part of proposed solution and shall be on prem application and provided on perpetual basis. - The data communication shall be on pull mechanism i.e. site devices shall communicate data to PSO central system upon query. Application with scheduler functionality as per PSO desired configuration shall be preferred. - Cost of 1 sim including 1-year sim operation cost for each Monolith tower PDU set. - Programming Language SOAP UI and programming with SAP system. - Vendor to provide necessary coding functions of Remote Functional Call (RFC) and programming assistance for creating, communication and 					



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	<p>integration with centralized system.</p> <p>Note:</p> <ul style="list-style-type: none"> - The contractor to provide both communication option that remote communication via GSM and Hand-held communication that is 70 Nos hand held communication device and 70 Nos. GSM communication device. - Supplier is responsible to establish the connectivity, commissioning on each site and make it tested from PSO official. <p>TERMS AND CONDITIONS:</p> <p>01. The OEM supplying the Price display unit first time shall demonstrate his offered product as per PSO specifications with all the features including remote communication via GSM at PSO head office or any designated location advised by official within 03 days after technical bid opening. In case of non- compliance, the bidder shall not be qualified.</p> <p>02. Delivery Schedule:</p> <ul style="list-style-type: none"> - The Supplier shall deliver the first 40% of the total Work Order quantity within ninety (90) calendar days from the date of issuance of the Purchase Order. - The remaining 60% of the total Work Order quantity shall be delivered within one hundred forty (140) calendar days from the date of issuance of the Purchase Order. - 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: <ul style="list-style-type: none"> a. 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. b. Calculation: Penalty = (Value of Undelivered Quantity) x (Penalty Rate per day) x (Number of days delayed). <p>03. The scope of work includes the supply of PDUs at central store KTB and providing at least one qualified and competent supervisor during the</p>					



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	<p>installation and commissioning of PDUs at each designated PSO retail outlets that will be all over Pakistan.</p> <p>04. Installation of these PDUs will be carried out by some other contractor, Supplier is solely responsible for training and final commissioning of these PDUs at retail outlet.</p> <p>05. Documents to be submitted include User Manual, Service Manual, Mounting Procedure and other related documents.</p> <p>06. All Price Display Units (PDUs) will be installed on PSO's new design Monolith Towers made up of 3 mm thick Aluminum Composite Material (ACM) in space available as clearly shown in attached drawings of Monolith Towers.</p> <p>07. PDUs will be directly mounted on Monolith ACM material with the help of screws/bolts from front without any additional structural support and without any major cutting and alteration in ACM.</p> <p>08. PDUs to be slim design and light weight to be easily installed on 3mm thick ACM material without damaging/distorting the ACM.</p> <p>09. PDUs will be installed on monolith in provided space as shown in the attached drawings of monolith tower.</p> <p>10. Release of security deposit is subject to successful installation, commissioning of PDUs on monolith towers.</p> <p>11. Quality is the prime concern of PSO, no compromise shall be made in this regard. Only first class approved quality material, workmanship and supervision will be utilized by the contractor which shall strictly conform to the PO specification.</p> <p>12. PSO reserves the right to terminate the contract by giving one-month notice if the performance of contractor will be found "poor" or any non-compliance of product with PO.</p> <p>13. Mentioned quantity of PDU, Power Supply, Handheld remote are for total 70 Monolith towers sites of 3 products (Diesel, Petrol and HOBC) Communication, circuitry related to this combination and commissioning at each site is responsibility of supplier.</p> <p>14. One handheld remote includes, 1 No. remote control, 1 No. Communication device including cost of 1 sim including 1-year sim operational cost.</p> <p>15. Packaging: Complete Set which includes PDU, Power Supply (DB) and</p>					



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	<p>Handheld Remote should be individually wrapped in industrial packing foam or better and placed in heavy duty card board cartons / boxes. Text identification marking of each Product set should be placed/pasted on the carton / box for easy recognition.</p> <p>AMOUNT OF BID SECURITY: - RS. 500,000/-.</p>					