



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	IT-19683FI	
DATE	13.05.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)
 SAP No.6100016753

Company PSO Dummy Vendor PAKISTAN	QUOTATION REQUIRED		
	ON (Date)	08.06.2026	BY (Time)
			2:15

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

Title: Procurement of Additional Licenses for Additional Tanks in the Radar Tank Gauges Centralized Solution

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<p>Software</p> <p>Supply of Additional Licenses for Tank Version Professional License TVP Software for Radar Centralized Solution</p> <p>=====</p> <p>The contractor shall provide all resources and materials for the configuration, integration, and commissioning of the ATG Radar Gauge system with PSO#s centralized monitoring and inventory solution, including all necessary hardware/software for a fully functional, remotely accessible system. Supplier shall ensure integration of 150 additional tanks, excluding the existing system. To cater for the additional tank capacity, the licenses need to be increased from 100 to 250.</p> <p>System Requirements and Functionality:</p> <ul style="list-style-type: none"> - Make: Endress + Hauser - Tankvision Professional software (NXA85) - The centralization equipment should enable PSO to monitor their storage tanks from web, remotely. - The centralization solution should allow monitoring of Storage tanks of renowned ATG vendors i.e. E+ H, Emerson, Honeywell, Rsoemount. - Collects the data from field and enables reconciliation and totalization of the tank data of many / all tanks in structured groups. - Any tank of the system can be assigned to any tank group, regardless of the Tank Scanner it is linked to. This ensures the highest possible flexibility for the plant or tank farm. - The HMI / Inventory management system shall have English language. - An alarm log shall be provided w hich displays all current acknowledged and cleared alarms. - The software / Inventory management system shall be remotely accessible. - The ATG system shall communicate via TCP/IP and Modbus w with the PLC/SCADA-based system. 	PSO House	EA	1		



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	<p>- The system shall support OPC communication standards (Client#Server architecture) to enable seamless and reliable data exchange between field devices and supervisory systems.</p> <p>- The software / Inventory management system shall be displaying at least but not limited to following: Tank Number, Product, Location, Time, Date, Product Level, Product Volume, Product Temperature, Alarm Status, Product Density, Water Volume.</p> <p>- Contractors shall carry out configuration and connectivity of (Hardware + Software) and provide a complete working solution as required by PSO in this document.</p> <p>Reporting: Tank Number Product Name Location Date and Time Product Level Product Volume Product Temperature Alarm Status Product Density Water Volume</p> <p>Integration and Reporting: Report generation Alarm management Trend analysis Graphical displays Batch handling Reports shall have the capability to be exported in both PDF and Notepad-compatible (TXT) formats.</p> <p>The system shall have the capability to support real-time integration with multiple third-party solutions and allow simultaneous data transmission to centralized systems, including PSO's Loss/Gain Dashboard.</p>					



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2	<p><u>I/O Communication Module</u></p> <p>Supply of Module for Integration of 3rd Party Equipment of other ATG vendors</p> <p>=====</p> <p>The 3rd party integration equipment should support different field protocols from renowned ATG Vendors i.e. E+ H V1, Enraf BPM, Emerson TRL/2, Rosemount, Honeywell For integration with ATG Calculation software modules to be connected to existing centralisation software NXA 85 To be commissioned and implemented for the following terminal locations:</p> <p>1 x Daulatpur Terminal ; Tank-2103 ; 1 x Spare</p>	PSO House	EA	2		
3	<p><u>I/O Communication Module</u></p> <p>Supply of Custody Transfer Approved ATG Calculation Software module :</p> <p>=====</p> <p>Quoted Module to be integrated with existing E+ H Centralisation Software NXA 85 at PSO Head Office.</p> <p>Monitor the tank level and stored volume of valuable liquids remotely</p> <ul style="list-style-type: none"> - The data can be used to plan the inventory and distribution. - The data can also be used to manage tank farm operations like pumping or transferring products. - The users should visualize and manage their valuable liquids stored in the tanks by a web browser. - Should have a flexible and cost effective solution due to its scalable architecture. <p>Inventory Calculations</p> <p>-----</p>	PSO House	EA	1		



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	Based on measured variables and tank capacity tables, It should calculate: # Gross volumes # Net volumes # Mass # Volumes and density of products like the following are processed: # Hydrocarbons # LPGs # Asphalt # Alcohols # Volumes and density are corrected according to international standards, including API/ASTM tables 5A, 5B/6, 53A, 53B/54, 23/24, LPG according to tables GPA TP-25 Table 24E, GPA TP-27 Table 24E, GPA TP-27 Table 54E, GPA TP-27 Table 60E, M B < (> & <)> Redwood VCF, alcoholometric tables according to OIML R22 tables I, II, IIIA, IVA, VI, VII. This includes temperature corrections at 15 °C, 60 °F and alternative temperatures. To be commissioned and implemented for the following terminal locations: 1 x Daulatpur Terminal ; Tank-2103					
4	<u>RTG - Centralized Solution</u>	<u>PSO House</u>				
4.01	<u>Testing and Commissioning</u>		<u>JOB</u>	1		
5	<u>Services- Centralized Solution :</u>	<u>PSO House</u>				
5.01	<u>Overall commissioning of system</u> Integration, Configuration and Installation of Centralization Software/ Equipment: ===== ===== ,, Integration, Configuration, and Installation Services for E+ H Centralization Software and Equipment Complete turnkey delivery of the centralized monitoring solution based		<u>JOB</u>	1		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.02	<p>on E+ H Centralization existing software, covering configuration of new licenses, integration of all newly added terminal locations, and setup at Head Office. Scope includes:</p> <p>Allocation of engineering manhours for software configuration, license activation, integration testing, GUI setup, and commissioning</p> <p>Installation, deployment, and configuration of all software components at Head Office and field locations</p> <p>User authorization/access rights configuration and setup of reporting functions (report generation, export to Excel, scheduling, etc.)</p> <p>Required site visits to each terminal and Head Office for integration < (> , <)> commissioning, and validation</p> <p>End-to-end system commissioning and handover in compliance with PSO specifications</p> <p>To be implemented for the following new terminal locations: - 1 x Tarujabba Terminal, 1 x Daulatpur Terminal , 1 x Habibabad Terminal , 1 x KTB Terminal</p> <p>Tarujabba Tanks detail ; Tank No 4601 , 4602,4603, 4604,4605,4606</p> <p>KTB Tank Detail are I Tank No. 306 & 312</p> <p>Habibabad : T-5303</p> <p>Daulatpur Tanks detail are : Tank-2103</p> <p>Installation, Testing & Commissioning</p> <p>Installation, Testing and Commissioning of module for Integration of 3rd Party Equipment of other ATG vendors,,:</p>	- - - -	JOB	1		



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5.03	<p>=====</p> <p>The scope includes installation and configuration of the gauge link module to enable seamless integration of third-party Automatic Tank Gauges (ATGs) from internationally recognized brands into the existing centralization system. Activities cover hardware/software setup< (> ,<)> protocol configuration (e.g., Modbus, Enraf BPM, etc.), communication testing with field devices, and end-to-end validation of data transfer to the central system.</p> <p>Following additional locations are to be considered:</p> <p>.,,1 x Daulatpur Terminal</p> <p>.,,.,</p> <p>Installation, Testing & Commissioning</p> <p>Installation, Testing Commissioning of Custody Transfer ATG Calculation Software Module:</p> <p>=====</p> <p>===== ,,</p> <p>The scope includes installation and configuration of the custody transfer software module, integration with the existing centralization system, setup of calculation parameters as per site and standard requirements, and validation of measurement accuracy. All works shall be carried out in accordance with manufacturer#s guidelines, industry standards, and site specifications.</p> <p>Following additional locations are to be considered:</p> <p>.,,1 x Daulatpur Terminal,,</p> <p>Term & Condition:</p> <p>=====</p>		JOB	1		



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	<p>1. The bidder shall provide technical brochures of all quoted items consisting of complete detail/specifications in all respects and compatibility with existing setup.</p> <p>2. The bidder has to ensure that all quoted Licenses are genuine and original. Bids proposing substandard, low quality, refurbished or copy items will be rejected. bidder shall provide the documentary evidence showing genuineness of brand name, model and country of origin of the product so offered should also be attached.</p> <p>3. If any of the enclosed documents with the bid are in conflict ,then the more stringent requirement shall apply to verify the provided documents (that includes electronic and surface mail correspondence with the manufacturer or with its regional office) during verification any conflict shall be resulted in disqualification of the bid.</p> <p>4. Unless otherwise specified in the general requirements, the vendor shall provide and assume full responsibility for all Supply and configuration works, transportation, Deployment of Licenses and tools< (> ,<)> appliances etc. for the performance, testing, start-up, and completion at PSO House and Remote Locations without any extra cost.</p> <p>5. Deployment of Licenses and Installation of Centralized shall be carried out as per schedule provided by PSO. PSO reserve the right to hold the security deposit till the installation and configuration of Licenses is completed.</p> <p>6. PSO's inspection and / or acceptance of and / or payment for any goods shall not constitute a waiver by it of any warranties.</p> <p>7. PSO's approval of any sample or acceptance of any goods shall not relieve vendor from responsibility to deliver goods and perform services conforming to specifications and descriptions.</p>					



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	<p>8. PSO in no means is liable to pay any fees for the services provided by the Vendor during the term of this purchase during warranty period.</p> <p>9. Bidder#s engineer shall have relevant experience of the quoted brand for configuration and installation. Bidder have to provide list of technical staff/Engineer (contacts details and experience) who will be dedicated to provide onsite after sale support.</p> <p>10. Bidder will provide Comprehensive guidelines as per the requirement of I< (> &<)> OT Department) to PSO nominated Officials/engineers.</p> <p>11. All quoted items will come with 01 years comprehensive on-site OEM warranty (including labour, spares and after sales services) with onsite replacement and support.</p> <p>12. The Successful bidder will provide free replacement after supply of material on site. The supply equipment includes the following points:</p> <p>a. Responding to the complaints in Installation & Configuration of Licenses</p> <p>b. If the problem is not rectified with in 3 to 4 days, supplier will provide the replacement within 2 working days as per warranty claim.</p> <p>13. The vendor shall provide a document for warranty terms and conditions.</p> <p>14. The bidder shall submit the compliance sheet.</p> <p>15. The entire cost shall include all taxes, transportation, installation , testing & commissioning.</p> <p>16. All payments hereunder to be made by the PSO shall be subject to deductions of all the applicable taxes and levies.</p> <p>17. The supply of the equipment at PSO HOUSE & Remote Locations and</p>					



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	<p>shall not exceed beyond Eight (08) weeks time effective date of purchase order.</p> <p>18. PSO may reject one or all bids prior to acceptance of bid without assigning Justifications and PSO shall not be liable for any charges thereof.</p> <p>19. Terms & conditions of the contract are firm and part of the bid, therefore, deviations of terms shall be subjected to rejection of the bid without any further notification.</p> <p>20. Payment will be made on an actual basis for the Centralized Solution, including materials and services delivered by the bidder, as billed and verified by the OT Representative.</p> <p>21. During the term of this Contract Bidder shall ensure adequate stocks/ inventory (at least 10% of total Centralized Solution of original OEM boards spare parts in each of PSO#s Centralization Project for replacement of defective / used Centralized Existing and new hardware's during Deployment of Centralized Solution. Bidder will ensure regular replenishment of used inventory and effective disposal / destruction of used / defective parts with the permission of I< (> & <)> OT Representative to render them non-reusable. Defective item of Centralized Solution is to be replaced with genuine OEM parts and the defective parts will be handed over to I< (> & <)> OT and will be disposed effectively so as to render it non-reusable. It will be responsibility of the Bidder to ensure availability of spare parts at its work shop during the Warranty Period.</p> <p>22. Warranty period for centralized additional licenses solution will start after commissioning of the Project. During Warranty period Breakdown work on Centralization solution shall be carried out as per PSO#s specified procedure. Initial response time shall be within 2 hours of notice and staff shall be mobilized at site within same stipulated time if error is not rectified with remote access of system. In case of complaint, where has Centralized Solution been operational, all</p>					



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	<p>Installation and Configuration activities shall be completed within same day. In case of complaint, where Centralized Solution has become non-operational, all breakdown / repair activities shall be completed and the CENTRALIZED SOLUTION shall be made operational to the 24 hours.</p> <p>Penalty in accordance with T< (> &<)> C Defined in Penalty & Deduction clauses hereto shall be imposed on the Bidder-.and the penalty amount shall be deducted from their bill, if the aforementioned period for defect rectification is exceeded, the verification of which may be made from the rectification date on Equipment Repair Report and/or the date of close of complaint by the Bidder-.to PSO.</p>					