



# 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	AM19646AA	
DATE	29.04.2026	

## REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)  
SAP No.6100016573

Company PSO Dummy Vendor PAKISTAN	QUOTATION REQUIRED		
	ON (Date)	14.05.2026	BY (Time)

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

**Title:** Consultancy Services Required for Oil Water Separator at Karachi Aviation EJHD

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<b><u>Consultancy</u></b>	<b><u>Karachi</u></b>				
1.01	<b><u>Design Consultancy</u></b> Scope of work =====  The purpose of this task is to assess, design and provide consultancy services for Oil Water Separator in accordance with API 421, including recommendation of type, sizing calculations, drawings, preparation of BOQ, and technical specifications. The work shall be done as following:  1) Site Survey  Conduct site visit to identify needs and possibilities and to review the existing conditions of the facility such as drainage conditions<(>,<)> available space for OWS installation, construction, operation and maintenance, sources and ingredients and type of oily waste water, and quantity of wastewater.  2) Design  The vendor shall develop a detailed Design Report that includes: design flow rate, influent characteristics: oil concentration (ppm), oil droplet size assumption, temperature, density and viscosity, effluent quality targets: oil & grease limits, hydraulic retention time criteria and design life of the system as per API 421 and local regulations.  3) Selection of Oil-Water Separator Type  The vendor shall select the type of OWS: treatment scheme and technology, and shall provide technical justification in the context of efficiency, footprint, operability, maintenance requirements, capital and operating cost.  4) Sizing	<b><u>(Aviation)</u></b>	<b>EA</b>	1		



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1.02	<p>The vendor shall perform sizing calculations, sludge and oil storage capacity calculations, surface loading rate and retention time, oil droplet rise velocity calculations, bypass and overflow conditions, and hydraulic profile and head loss calculations.</p> <p>5) Mechanical and Civil Design</p> <p>The vendor shall prepare engineering drawings, mechanical design details, material selection and foundation and civil requirements.</p> <p>6) Instrumentation</p> <p>The contractor shall include oil/high level detection alarms, automatic skimmer operation, and interlocks with downstream treatment or discharge system.</p> <p><b>CONSULTANCY DETAILED BOQ</b></p> <p>Detailed Civil Engineering Design &amp; BOQ Drawing            =====</p> <p>1) Civil Design</p> <ul style="list-style-type: none"> <li>- Vendor shall perform civil design engineering for OWS reinforced cement concrete (RCC) units.</li> <li>- Vendor shall prepare structural engineering drawings and material BOQ.</li> <li>- Vendor shall prepare mechanical, electrical and plumbing systems (MEP) drawings with material BOQ and specification.</li> </ul> <p>2) Preparation of BOQ</p> <ul style="list-style-type: none"> <li>- Vendor shall provide a detailed design report of OWS with complete RFQ documents.</li> </ul>		<b>JOB</b>	1		



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	<ul style="list-style-type: none"> <li>- Vendor shall prepare a detailed BOQ including: civil works&lt;(&gt;,&lt;)&gt; mechanical equipment, skimmers, plates, internals, valves, piping&lt;(&gt;,&lt;)&gt; fittings, instrumentation, cabling, painting and coating, and testing and commissioning activities.</li> <li>- Vendor shall provide a detailed report of consultancy covering all literature and associated documents.</li> <li>- Vendor shall provide equipment &amp; component data sheets with technical specifications.</li> <li>- Provide process flow diagram (PFD) and piping &amp; instrumentation diagram (P&lt;(&gt;&amp;&lt;)&gt;ID).</li> <li>- Provide piping isometric/piping lay-out.</li> <li>- Provide piping bill of materials (BOM)</li> <li>- Provide instrumentation data sheets.</li> <li>- Provide civil construction drawings of API OWS.</li> <li>- Provide civil bill of material (BOM).</li> <li>- Provide the technical specifications of all equipment and accessories used in OWS.</li> </ul> <p>3) Cost Estimates</p> <ul style="list-style-type: none"> <li>- Vendor shall provide detailed estimates for Capex and Opex.</li> <li>- The consultant shall provide estimated quote as per the designed BOQ and service for installation.</li> </ul> <p>Terms and Conditions =====</p> <ol style="list-style-type: none"> <li>1) All taxes are included in the cost of PR.</li> <li>2) A vendor shall arrange airport entry passes.</li> <li>3) The vendor shall bring relevant tools and instruments for consultancy.</li> <li>4) The vendor shall do the consultancy in accordance with</li> </ol>					



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	written standards. 5) The vendor shall provide a report covering the detailed drawings and BOQ along with technical specifications. 6) The vendor must provide certifications of inspector who will be conducting the aforementioned work. 7) The vendor shall be responsible for any damage to PSO property and will bear the cost of the repairs.					