



# 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	SS-19700YP	
DATE	25.05.2026	

## REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)  
 SAP No.6100016858

Company PSO Dummy Vendor PAKISTAN	QUOTATION REQUIRED			
	ON (Date)	16.06.2026	BY (Time)	2.15 PM

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

**Title:** SUPPLY INSTALLATION TESTING AND COMMISSIONING OF IP PTZ CAMERA 4 MP WITH IR ALONG WITH NETWORK KEY BOARD AND POE SWITCHES AT PSO HOUSE COMPLETE IN ALL ASPECTS

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<p><b>IP PTZ Camera 4MP with IR</b></p> <p>IP PTZ CAMERA 4MP IR: Supply&lt;(&gt;,&lt;)&gt; of IP PTZ CAMERA 4MP IR at PSO House Clifton&lt;(&gt;,&lt;)&gt; Karachi.</p> <p>Required specification are as under:</p> <ul style="list-style-type: none"> <li>* 4 MP PTZ network camera with 1/2.8" progressive scan CMOS sensor</li> <li>* Maximum resolution up to 2560 x 1440</li> <li>. 45xoptical zoom and 16 x digital zoom with auto and manual focus capability</li> <li>. True day/night operation with IR cut filter</li> <li>. Smart IR illumination range up to 250 m</li> <li>. Supports WDR, 2D/3D noise reduction, and defog function</li> <li>. 360° continuous pan and high-speed tilt movement</li> <li>. Supports pre-sets, tours, patterns, and auto tracking</li> <li>. Intelligent analytics including motion detection, intrusion detection, tripwire, face detection, and human/vehicle classification</li> <li>. Video compression: H.265 / H.264 / MJPEG</li> <li>. Minimum triple video streaming support</li> <li>. Support standard protocols IPv4/IPv6, HTTP/HTTPS, RTSP, RTP, TCP/IP&lt;(&gt;,&lt;)&gt; UDP,DHCP&lt;(&gt;,&lt;)&gt; DNS&lt;(&gt;,&lt;)&gt; NTP&lt;(&gt;,&lt;)&gt; FTP&lt;(&gt;,&lt;)&gt; SMTP&lt;(&gt;,&lt;)&gt; SNMP&lt;(&gt;,&lt;)&gt; UPnP&lt;(&gt;,&lt;)&gt; QoS&lt;(&gt;,&lt;)&gt; DDNS</li> <li>. Ethernet network interface with ONVIF and RTSP compatibility</li> <li>. Remote monitoring via web and mobile applications supported</li> <li>. Audio input/output and MicroSD card storage support up to 512 GB</li> <li>. IP67 weatherproof outdoor housing with surge protection</li> <li>. IK10 Vandal resistance</li> <li>. Operating Temperature #40 °C to +70 °C (#40 °F to +158 °F)</li> <li>. Power supply: 24 VAC / PoE+ supported</li> <li>. Suitable for perimeter security, traffic monitoring, industrial sites, and large outdoor surveillance applications</li> <li>. support 7 alarm inputs and 2 alarm outputs.</li> <li>. TVS 6000 V lightning proof; surge protection; voltage transient protection.</li> <li>. Be CE and FCC certified and comply with international standards.</li> </ul>	PSO House	EA	3		
2	<b>Switch 8 Port</b>	PSO House	EA	4		



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
3	<p>SWITCH 2 FIBER UPLINK 08-PORT POE</p> <ul style="list-style-type: none"> <li>o# provide 8 x RJ45 ports supporting 10/100/1000 Mbps.</li> <li>o# include 2 x SFP optical ports supporting 1000 Mbps.</li> <li>o# support IEEE802.3af, IEEE802.3at, Hi-PoE and IEEE802.3bt (red port) standards.</li> <li>o# Port 1-2 shall support up to 90W, and ports 3-4 up to 30W, with a total PoE power budget of 120W.</li> <li>o# support PoE Watchdog for automatic port recovery.</li> <li>o# support PoE transmission up to 250 meters at 10 Mbps.</li> <li>o# operate on Layer 2 with advanced switching functions.</li> <li>o# The switching capacity shall be at least 20 Gbps.</li> <li>o# 20 Gbps switching capacity, 14.88 Mpps packet forwarding rate, 4.1 Mbit packet buffer, 8K MAC address table.</li> <li>o# support 53 VDC power supply.</li> <li>o# Power consumption shall be #6 W (idle) and up to 120 W (full load).</li> <li>o# operate in #40 °C to +75 °C ambient temperature.</li> <li>o# support desktop and DIN-rail mounting.</li> <li>o# be managed via Web (HTTP/HTTPS) and SNMP V1/V2C/V3.</li> <li>o# provide 4 kV lightning protection and electrostatic protection.</li> <li>o# support IEEE 802.1Q VLAN configuration and up to 4K VLANs.</li> <li>o# support static and LACP link aggregation.</li> <li>o# support IEEE 802.3x full-duplex flow control.</li> <li>o# support IEEE 802.1x and ERPS protocol for enhanced security.</li> <li>o# Power supply should be included.</li> <li>o# be CE and FCC certified.</li> </ul> <p><b>Junction Box</b></p> <p>JUNCTION BOX</p> <p># Type: Weatherproof Outdoor Junction / Enclosure Box # Size: 10 inch x 12 inch x minimum 5-6 inch depth # Application: Housing and protection of PoE switch, power adaptor, connectors and network terminations for outdoor PTZ camera installation. # Material:UV-resistant FRP (Fibre Reinforced Plastic) / high-quality fiberglass enclosure suitable for outdoor applications OR Heavy gauge powder-coated steel / UV-resistant ABS or polycarbonate.</p>	PSO House	EA	4		



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4	<p># Protection Rating: Weatherproof FRP/Fiberglass enclosure with minimum IP65 or equivalent NEMA 4X protection suitable for outdoor installation.</p> <p># Door/Cover: Properly sealed lockable cover.</p> <p># Mounting: Suitable for wall / pole mounting with mounting brackets.</p> <p># Internal Arrangement: DIN rail / mounting plate for fixing PoE switch and accessories.</p> <p># Operating Environment: Suitable for outdoor open environment, resistant to rain, humidity, dust, corrosion and direct sunlight.</p> <p># Temperature Range: Minimum +40°C operating temperature.</p> <p># Finish/Color: Any suitable colour but in case of heavy gauge steel box the Outdoor anti-corrosion powder coating will be required.</p> <p># Security: Lockable arrangement to prevent unauthorized access and tampering.</p> <p># Accessories: SS nuts/bolts, cable glands, mounting hardware and earthing provision.</p> <p>In nutshell the junction box should be such that can safely accommodate an industrial PoE switch for PTZ camera operation in exposed outdoor environment while ensuring continuous protection against weather and environmental conditions.</p> <p><b>Network Keyboard</b></p> <p>NETWORK KEYBOARD: Supply, installation, configuration, testing and commissioning of Network Keyboard.</p> <p>Required Specifications are as under:</p> <p>##,,It shall support control of high-speed PTZ domes, standalone DVRs, and network video servers.</p> <p>##The device shall support RS485, RS422 (reserved), USB, RS232, and network (RJ45) interfaces.</p> <p>##The joystick shall be a 3-axis vector-solving joystick with a return-to- center twist head.</p>	PSO House	EA	1		



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5	<p>##Control functions shall include preset, auto scan, auto pan, auto tour &lt;(&gt;,&lt;)&gt; and pattern.</p> <p>##The device shall offer on-screen menu display and operation tip.</p> <p>##The device shall support up to 64 users including admin.</p> <p>##Each user shall be able to control up to 2048 PTZ cameras over the network and up to 256 RS485 addresses.</p> <p>##The device shall be CE and FCC certified.</p> <p><b>Services</b></p>	<b>PSO House</b>				
5.01	<p><b>Installation of Cameras</b></p> <p>1. Camera Installation Services with their housing and mounting on pole or bracket, programming and communication with NVR and bring the camera online and fully functioning after complete testing</p> <p>2. Installation of weather proof boxes of the required sizes for devices for providing protection from weather and vandal.</p> <p>3. Modification of existing brackets as per the arm size of new PTZ cameras.</p>		<b>EA</b>	3		
5.02	<p><b>Miscellaneous services</b></p> <p>SUPPLY, INSTALLATION, CONFIGURATION, TESTING AND COMMISSIONING OF 3 X PTZ CAMERAS AROUND PSO HOUSE</p> <p>1. Verify installation of all cameras and switches ensuring their proper functionality as per the satisfaction of PSO SS.</p> <p>2. Check network connectivity for all cameras, POE switches and controller.</p> <p>3. Confirm IP configuration and connectivity for each camera.</p> <p>4. Test live video feed for clarity, color, and day/night switching</p> <p>5. Verify recording (continuous, scheduled, motion-based) and playback functions. Test PTZ controls, audio (if applicable), and camera positioning.</p>		<b>JOB</b>	1		



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	<p>6. Check motion detection and video analytics (if included).</p> <p>7. Validate remote viewing access via mobile or web platforms.</p> <p>8. Ensure time synchronization across all newly installed cameras.</p> <p>9. Proper installation of Network Key Board and its configuration for complete control of newly installed PTZ cameras</p> <p>10. Submit user manuals</p> <p>11.It is the responsibility of the vendor to deploy said PTZ cameras in a way which ensures 24/7 surveillance reliability.</p> <p>12. The vendor will ensure the installed PTZ cameras and POE switches should be completed in all aspects subject to the entire satisfaction of PSO.</p> <p>13. Contractor will endeavor to supply the material / equipment as per PSO Specifications.</p> <p>14. PSO may ask the vendor to carry out testings, inspections for the offered material/equipment.</p> <p>15. PSO reserves the right to approve or disapprove such offered equipment and will not have an obligation to assign any reason thereof.</p> <p>All such inspections and testing costs are to be borne by the bidder.</p> <p>16. Offered PTZ Cameras, Network Key Board and switches must be compatible with the already installed existing CCTV System.</p> <p>17.Contractor will ensure proper earthing of the PTZ Cameras complete in all respect.</p> <p>18. Contractor will strictly implement HSE standards and comply with safety measures during installation and working at site.</p> <p>19. Contractor shall rectify any damage caused during construction work to PSO property.</p> <p>20. The vendor will submit the document that the offered product is brand new.</p> <p>21. The completion of the job will only be accepted after inspection by concerned PSO staff.</p> <p>22. The complete supply, installation, testing and commissioning of PTZ cameras in all respect is required to be completed by or before 30 days from the date of issuance of Purchase Order.</p>					



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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
5.03	<p>Warranty:</p> <p>1. Vendor will provide One-year warranty of supplied, installed and commissioned PTZ cameras, Network Key Board and POE switches around PSO house from the date of completion of the installation, testing and commissioning of PTZ Cameras, Network Key Board and POE switches.</p> <p>2. Contractor will carry out preventive maintenance of these PTZ Cameras, Network Key Board and POE switches during the warranty period.</p> <p>3. Security Deposit will remain on hold till completion of warranty period.</p> <p>Integrity:</p> <p>Such PTZ cameras should comply with freedom of information and Protection of privacy i.e. access, password etc.</p> <p><b>Miscellaneous services</b></p> <p>Amount for withhold on SST @ 11%</p> <p>Relevant taxes both for material and services alongwith withhold tax on SST are included in the overall cost.</p> <p>PENALTY</p> <p>If the successful bidder / the vendor after issuance of PO fails to complete the work within stipulated time, a penalty equivalent to the value of 0.1% of Work Order per day and subject to maximum 10% value of the PO may be imposed on the respective vendor.</p>		<b>JOB</b>	1		