



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-19908YP	
DATE	19.08.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100017903

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

03.09.2026

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: Procurement of Additional Delinea (PAM) licenses

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<u>Software</u> ===== General Requirements: ===== 1.The Additional 25 Administrator users and it's must end on 26/2/2028 2.The proposed solution must have on-premise deployment. 3.The proposed solution must support a manual installation method on the organizations standard O/S images. 4.The proposed solution must support an automated installer on the organizations standard O/S images. 5.The proposed solution must be hypervisor agnostic and not rely on physical or virtual appliances. 6.The proposed solution to be around pre-integrated Microsoft technology stack for best commercial support. 7.The proposed solution cannot rely on non-standard or proprietary components such as non-commercially available databases or network protocols. Vendor must allow using standard tools provided by database vendor to manage the vault database. 8.Database used by PAM is managed by industry standard database tools. Eg MSSQL Management Studio. There is no need to use PAM vendor provided proprietary tool to manage the database to prevent vendor lock in. PAM vendor's vault database must support Transparent Data Encryption(TDE) if required. 9.Describe the proposed solutions full architecture stack for on-prem. 10.The proposed solution must include components to distribute workloads across an environment and geographically disperse locations Describe the proposed solutions scale-out architecture properties.	<u>PSO House</u>	<u>EA</u>	25		



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	The proposed solution must not rely on Windows Server Failover Clusters for High-Availability of the presentation layer (front-end web portal). The proposed solution should include high-availability architecture for on-prem 11.The proposed solution should include disaster recovery feature Solution should be a leader in the Gartner's magic quadrant OEM should have at least ten deployments in Pakistan 12.The proposed solution must have out of the box integrationa at API level for popular RPA solutions, UiPath and Blueprism. 13.The proposed solution must allow for the application owner to add additional credential management functions, e.g., updating credentials in a file on a remote host. This is especially applicable when a password rotation impacts other services or application and thus there needs to be out of the box actions(auto restart window services) and also allow flexibility of custom actions. 14.The solution must support additional layer of encryption using quantum safe encryption algorithm for highly sensitive credentials to future proof and eliminate the risk of "harvest now decrypt later" strategy using quantum computers in future employed by hackers and state actors. 15.The proposed solution must protect data at rest with multiple layer of encryption beyond AES256 and give customer option to create workflow for 2nd layer of encryption layer on top of default encryption for static sensitive password. This means at least 2 person need to enter their password to decrypt a secret. The 2nd person's password is the key to the 2nd layer of encryption at the data level 16.The proposed solution must be able to calculate password entropy score for measuring the difficulty of generated password by defined password policies being cracked by brute force attack.					



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	17.The proposed solution must have a native integration with Active Directory and support LDAP(s).					
	18.The proposed solution must integrate with Active Directory Security Groups as a component of the role-based access control.					
	19.The proposed solution's Active Directory Integration must be capable of automating new user onboarding.					
	20.The proposed solution must allow for Integrated Windows Authentication for platform authentication.					
	21.The proposed solution must have its Local authentication <(>&<)> Local role-based access control groups.					
	22.The proposed solution must support any SAML 2.0 Identity Provider for Single Sign-on.					
	23.The proposed solution must support both RADIUS-based and non RADIUS based multi-factor authentication solution.					
	24.The proposed solution must support out-of-the-box integrations with DUO, FIDO2, and any TOTP solution. Please list supported MFA solutions.					
	25.The proposed solution must support IP Address whitelisting for access users.					
	26.The proposed solution must provide mobile app that allow user to login and check out credential. The mobile app must be configurable to cache credentials.					
	27.The proposed solution must support a custom informational banner at the login screen without having to modify CSS files.					



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	28.The proposed solution must be configurable to force connections to the platform to use HTTPS only. 29.The proposed solution must support a single pane of glass for policy configuration across an entire deployment. 30.The proposed solution's policy configuration must include the ability to configure items such as credential management settings, security settings, and locations/vaults for workload assignment. 31.The proposed solutions must support applying policies at group of credentials or individual credential. 32.The proposed solution must support the below listed workflows. Please describe any additional workflow capabilities not listed. Justification for Access (user must submit a reason/comment before accessing) Access Approval (single and/or multi-tiered). Just-in-Time Administration Secret Erase Please describe the proposed solutions ability to support modifications to any existing workflows through scripting if applicable. 33.The proposed solution's Check Out function must support manual, forced, and an automatic time-based check in process. Password check in/checkout must support execution of external powershell script immediately before or after the action 34.The proposed solutions justification and approval workflows must support optionally validating case/tickets with an external ticketing system during the justification and approval process. 35.The proposed solution must support integration with slack allowing for notification and workflow handling.					



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	36.The proposed solution must include a tamper-proof, robust, audit of all activities within and against the platform.					
	37.The proposed solution's audit must provide the who, what, where, and when of activity.					
	38.The proposed solution must support forwarding logs to a SIEM platform.					
	39.The proposed solution must support keystroke capturing for Linux, Unix, and Windows Operating Systems.					
	40.The proposed solution must support the cross-searching of keystrokes.					
	41.The proposed solution must support reviewing the audit trail under a single pane of glass portal.					
	42.The proposed solution must include pre-configured reports.					
	43.The proposed solution must offer the application owner the ability to create custom reports without vendor services. Please describe how the solution meets this requirement.					
	44.The proposed solution must support monitoring a session at the same time making known to the user					
	45.The proposed solution must support sending a message to an active user session.					
	46.The proposed solution must support terminating an active user session.					
	47.The proposed solution must provide pre-configured methods for session connections such as RDP, SSH, Mainframe Emulators and PowerShell.					



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	48.The proposed solution must have a user friendly configurable way to allow the application owner the ability to add custom session launchers to launch thick clients for logging to target device. Anything that can be launch from command prompt manually can be configured from the single pane of glass interface without the need for vendors professional services.					
	49.The proposed solution must not require middleware applications or plug-in like using RPA tools such as Autolt and Selenium for launching an application if the application can be launched from commandline with username and password parameters.					
	50.The proposed solution session launcher must support launching external scripting(eg powershell) to integrate with legacy application or for customization to maximize flexibility of integration with other solution.					
	51.The proposed solution must support launching to session connections without disclosure of the account password. The proposed solution must support capturing Windows application events for active user sessions.					
	52.The proposed solution must support cross-searching for captured keystrokes.					
	53.The proposed solution must provide a method of whitelisting commands issued to SSH-based resources.					
	54.The proposed solution must support offloading recordings to a SAN, NAS, or other network shares while still being optionally encrypted. Recording needs to be able to downloaded manually or automated by API call to the solution.					
	55.The proposed solution must support a configuration where RDP <(>&<)> SSH sessions are brokered through the PAM "jumpbox"/proxy component					



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	where Microsoft Remote Desktop Service Infra is not required from customer 56.The Proposed solution must support a configuration and optional plug-in whereby user can connect directly to target machine without "jumpbox" natively while maintaining the same user experience(eg user do not need to enter password manually). In addition, video session recording should still work in this "direct" mode. 57.If the proposed solution has a "jumpbox" component, this single jumpbox must be able to run discovery of account, rotate password and launch both rdp and ssh session to minimize number of components and simplify the architecture in the solution. There is no need to have separate services or components on different VM or machines for the above PAM operations If the proposed solution has a "jumpbox" component, it must support automatic load balancing and automated failovers without any setting up clustering at OS level to simplified operation management 58.Solution must be provide a web extension for browsers so that onboarding new web application login can be seamless without profes sional services. The web extension must support firefox,chrome,opera and safari. They must be available for download from the public store of each browser(eg chrome store, opera add-on store etc). The extension must be able to inject credentials automatically on web pages without any scripting or customization. 59.The proposed solution must include an automated account discovery function. Please describe how the solution meets this requirement. 60.The proposed solution's account discovery function must allow for scheduling. Please describe how granular and flexible account discovery can be scheduled. 61.The proposed solutions account discovery function must provide					



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	out-of-the-box support for Active Directory Accounts, Windows Accounts, Linux Accounts, Unix Accounts, Hypervisor Accounts. 62.The proposed solution's account discovery function must support flexible automated onboarding of discovered accounts. 63.The proposed solution's account discovery function must allow for application owners to add custom discovery objects for systems, platforms, and devices not supported out-of-the-box through Windows native powershell. 64.The proposed solution must offer an extensive web services API with create, read, update, and delete functions. Please describe the solutions API offering. 65.The proposed solution's web services API must support Integrated Windows Authentication and OAuth Authentication. 66.The proposed solution's web services API must support IP address whitelisting. 67.The proposed solution must provide a account type which is non chargeable and free for application to access the API. This shouldn't be the same as user licenses which is chargeable. 68.The proposed solution must offer a SDK or programming libraries for inclusion within the source code of internally developed software. Please describe how the solution meets this requirement. 69.The proposed solution's SDK/programming libraries must support IP address whitelisting. 70.The proposed solution's SDK/programming libraries must be auditable by the PAM platform. Please describe what data is captured in the audit for this function.					



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	71.The proposed solution's SDK/programming libraries must offer a configurable encrypted cache to limit calls to the PAM solution. 72.The proposed solution's SDK/programming libraries audit must be accessible within the PAM platform. Java is restricted within the domain; the proposed solution's SDK/programming libraries or other API components must offer a non-Java solution to meet this requirement. 73.The proposed solution must provide a SCIM interface/connector for integration into IdAM platforms. 74.The proposed solution must have an integration with common vulnerability management solutions for offloading credentials required in authenticated scans. 75.The proposed solution must support integration with common ticketing and case management systems. Please list the proposed solutions integration points or integration methodology. 76.The proposed solution must protect data at rest. 77.The proposed solution must provide an easy method to update passwords for the accounts touched in the user report mentioned previously. If On Prem version of PAM is deployed, the proposed solution's backend database must support Transparent Data Encryption. 78.The proposed solution must support offloading the management of the master encryption key to Hardware Security Module if customer choose to. 79.The proposed solution must offer a built-in scheduled backup function capable of saving to a SAN, NAS, or other network location. 80.The proposed solution must support a customizable password complexity					



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	and rules engine. 81.The solution must provide a single-pane of glass interface for all access and configurations for all functions, e.g., administration, auditing, reporting, vaulting, policies, session connectors, account discovery, and web services. 82.The proposed solution's user experience should be the same for all users, administrators, and auditors to streamline training and adoption. Please explain the user experience across components of the solution for auditing, vaulting, session connectors, administration, behavior analytics, and any other component of the solution not listed. 83.The proposed solution's account management system should be simple and intuitive for all users of the platform to streamline training and adoption. Please describe how the solution meets this requirement. 84.The proposed solution's account management system should support an inheritance model. 85.Solution must allow export of credentials into text file as backup that can be imported during disaster 86.Solution must not required going into breakglass mode to as part of disaster recovery process in the event of failure of jumphost. ===== TERMS <(>&<)> CONDITIONS: ===== 1.Licenses will be valid until 26th Feb 2028. 2.The successful bidder must ensure that the delivery of licenses shall not exceed beyond 8-10 weeks after the issuance of purchase order. 3.Successful bidder shall provide technical support until 26th Feb 2028. 4.The bidder must be registered with Income Tax Department / FBR with valid NTN/STN. 5.PSO reserves the right to reject any bid during technical evaluation					



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	stage of tender: a.If any document submitted by bidder such as partner certificate, MAF, NTN etc found manipulated, forged or fabricated. b.If bidder directly or indirectly influences the evaluation process or harass any employee of PSO. c.If PSO found that any bidder is in litigation with any other company or directly with PSO at any stage before or during the tender process. d. If the bidder quotes or attributes any false, manipulated or distorted information about PSO as a whole or any PSO employee at any public forum without any credible evidence. 6.PSO reserve the right to scrap the tender and cancel the tender evaluation process at any time prior to the award of purchase order without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected Bidder(s). 7.Any bidder found not meeting the required terms and conditions of the tender at any time prior to the award of purchase order would be considered disqualified even if the bidder has submitted lowest bid. 8.The bidding will be single stage two envelope process. The bidder shall submit technical and commercial proposals in a separate and sealed envelopes. 9.Payment will be made after delivery of software licenses 10.Price shall be quoted in USD and accordingly PO shall be issued in USD. Vendor will submit commercial invoice in USD and PKR both, along with exchange rate sheet of State Bank of Pakistan (SBP). 11.Payment will be made in PKR as per SBP-notified rate (Exchange Rate for Market to Market Revaluation) as on the date of delivery. 12.Bidder shall submit technical and commercial proposal in a separate and sealed Envelope clearly marked #TECHNICAL BID# and #COMMERCIAL BID# separately. 13.Plenty Clause as below: 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) × (Penalty Rate per day) × Number of days delayed).					



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