



***The supply of a Public Key Infrastructure (PKI) and Digital  
Signature Solution to the CSIR***

***Request for Quotation (RFQ) No: 5771/12/11/2021***

Date of issue	Friday, 29 October 2021
Closing Date and Time	Friday, 12 November 2021
RFQ Number	5771/12/11/2021
Contact details	For submission of quotations or any other enquiries: <a href="mailto:tender@csir.co.za">tender@csir.co.za</a>

## **1 INVITATION FOR QUOTATION**

Quotations are hereby invited for the supply of a PKI and Digital Signature Solution to the CSIR.

## **2 QUOTATION REQUIREMENTS**

- a) The solution must be capable of fully integrating with the Vaccine Certificate System by digitally signing the data within the vaccine certificates.
- b) The solution must include hosting services, reporting and monitoring capabilities.
- c) The solution must have Redundancy and/or a Disaster Recover(DR) with automatic fail-over.
- d) The solution must be cost-effective, flexible and reliable, and highly secure.
- e) The solution must provide private and public keys with digital signature capabilities.
- f) The solution must provide keys used to create digital signatures that are securely generated and securely stored.
- g) The solution must provide key updates and management of key histories

- h) The solution must provide key backup and recovery
- i) The solution must support non-repudiation with the ability to keep track of a transaction occurrence from the requester to the authorizer.
- j) The solution must be able to provide digital signing with an authorised and internationally trusted certification authority (CA) ensuring that any tempering with contents of the certificate can be easily detected.
- k) The solution must provide digital signatures that are internationally verifiable.
- l) The solution must have the capability to distribute the public keys to global public key repositories.
- m) The solution must provide Certificate Revocation
- n) The solution must provide the ability to update key pairs transparently and consistently
- o) The solution must provide secured Application Programme Interfaces (APIs) to operate the various solution components including secured requests to digitally sign data from CSIR applications, such as requesting the solution to digitally sign a set of data.
- p) The solution must provide client-side software that operates consistently and transparently across desktop applications e.g. email, web browsers, file/folder encryption, etc.
- q) The solution must have the capability to store certificates and distribute them to various CSIR applications.
- r) The solution must have the ability to provide trusted time stamping
- s) The solution must have ongoing monitoring capabilities
- t) The solution must provide and manage the lifecycle of the public key certificates.
- u) The solution must have digital signature capabilities that are legally enforceable in line with the law of the Republic of South Africa and other applicable data privacy laws (ECT Act.2002 section 13. (1), PoPI), etc.
- v) The solution must provide dashboard access for CSIR technical team.
- w) The solution must provide identity and Access Management capabilities.
- x) The solution must be able to provide for adequate protection of sensitive information in transit (e.g.: between client and server).
- y) The solution must have the capability to retain the audit trail, the digital signature audit trail must indicate authentic signing events information such as who signed a document inclusive of the time and date.
- z) The solution must be cloud-hosted.
- aa) The solution is expected to be compliant with but not limited to the following regulations: ECTA Act (Electronic Communications and Transactions Act,2002, No 25 of 2002); FAIS Act (Financial Advisory and Intermediary Services Act.); POPI Act (Protection of Personal Information.); and GDPR (General Data Protection Regulation).
- bb) The tenderer is expected to host and support the solution for a period of three (3) years.

- cc) The tenderer is expected to provide proof of accreditation under the ECTA act for the provision of digital/advanced electronic signatures.
- dd) The tenderer must be able to provide proof of the following certification, ISO 27001 Security Certification.
- ee) The tenderer is expected to provide Annual independent Security Attestation Reports to CSIR.
- ff) The tenderer must provide a list of contactable clients references of companies where similar work has been successfully delivered within the last 5 (five) years. Tenderer must include reference letters from clients.
- gg) The tenderer is expected to provide Service Level Agreements for Support and Maintenance for a period of 1 year.

### **3 EVALUATION CRITERIA**

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use [www.csd.gov.za](http://www.csd.gov.za) to register.
- 3.3 No order will be issued or no contract will be signed without a valid CSD number.
  - Provide valid original or certified copy of the B-BBEE Certificate issued by an accredited verification agency and bearing a SANAS logo; **or**
  - Valid sworn affidavits made on dti designed templates; **or**
  - dti issued sworn affidavit; **or**
  - CIPC issued B-BBEE certificate.

### **4 PRICING QUOTATION**

- 4.1 Price needs to be provided in South African Rand (excl. VAT) or (Inc VAT) where applicable, with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.

### **5 OTHER TERMS AND CONDITIONS**

- 5.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such

an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.

5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

**6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.**

**7 DECLARATION BY TENDERER**

**Only tenderers who completed the declaration below will be considered for evaluation.**

**RFQ No: 5771/12/11/2021.**

I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / quotation specifications stipulated in RFQ No. **5771/12/11/2021** at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the CSIR during the validity period indicated and calculated from the closing date of the quotation.

I confirm that I am satisfied with regards to the correctness and validity of my quotation; that the price(s) and rate(s) quoted cover all the services specified in the quotation documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this RFQ as the principal liable for the due fulfilment of this RFQ process.

I declare that I have no participation in any collusive practices with any tenderer or any other person regarding this or any other RFQ proposal.

I accept that the CSIR may take appropriate actions, deemed necessary, should there be a conflict of interest or if this declaration proves to be false.

I confirm that I am duly authorised to sign this proposal.

NAME (PRINT) .....

CAPACITY .....

SIGNATURE .....

RFQ 5771/12/11/2021

<b>WITNESSES</b>	
1	.....
2	.....
DATE: .....	

NAME OF FIRM .....

DATE .....