



The supply of Upgrade Components for the NICIS OpenStack Research Cloud project at the CSIR

Request for Quotation (RFQ) No: 9311/10/09/2021

Date of issue	Friday, 27/08/2021
Closing Date and Time	Friday, 10/09/2021 at 16:30
RFQ Number	9311/10/09/2021
Contact details	For submission of quotations or any other enquiries: tender@csir.co.za

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of Upgrade Components for the NICIS OpenStack Research Cloud project.

2 BACKGROUND

The OpenStack Research Cloud project is an R&D OpenStack cloud deployment in the ACE Lab of the CHPC aiming to provide a testing ground for new cloud developments, HPC synergy and distributed storage. The goal of the project is to provide value to customers and improve efficiency of cloud operations within NICIS.

3 QUOTATION REQUIREMENTS

A server to act as a monitoring device for the cloud as well as numerous components to upgrade existing servers to fall in line with the production environment. Power and racking equipment are also necessary.

Monitoring Server		QTY
Chassis	1U Chassis	1
CPU 1	Intel Xeon Silver 4210 or equivalent	1
Memory	16GB RDIMM	6
RAID	240GB SSD, RAID-1	2
HDD Storage	2TB 7,2K RPM HDD, Hardware RAID-5	4
Operating Systems	No Operating System	1
Embedded Systems Management	BMC interface with remote console via LAN	1
Network	Dual port 1GbE BASE-T	1
Network	Dual port 10GbE SFP+	1
Power Supply	Dual, Hot-plug, Redundant Power Supply	1
Power Cords	3m Power Cord	2
Warranty	3-year Next Business Day Onsite Support	1
Rack Rails	Sliding rails set for rack mounting	1

Miscellaneous		QTY
Server Rack	42U Server Rack	1
PDU	32A 230V with 20x C13 plugs, 2P+E single phase PDU	4
Power Cables	C13 plugs for PDU to Server	40

Networking Equipment		QTY
Network Card	Dual Port 10Gb SFP+ PCIe Adapter, Full Height	3
Network Card	Quad Port 10GbE SFP+ PCIe Adapter, Low Profile	4
Network Card	Quad Port 10GbE SFP+ PCIe Adapter, Full Height	11
Network Switch	Edgecore AS4610-54T 48-port GE RJ45 with CUMULUS LINUX at least version 4.2.0	1
Network Switch	48-port 10GbE SFP+ with 40GbE QSFP+ uplink with CUMULUS LINUX at least version 4.2.0	2
Network Cables	3m SFP+ Direct Attach Cables	70

4 EVALUATION CRITERIA

- 4.1 Selection of suppliers will be based on the **80/20** preference point system.
- 4.2 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 4.3 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.

5 PRICING QUOTATION

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

6 OTHER TERMS AND CONDITIONS

- 6.1 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.
- 6.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

- 7 **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.**

8 DECLARATION BY TENDERER

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

RFQ No: 9311/10/09/2021

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.9311/10/09/2021 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

WITNESSES	
1
2
DATE:	

NAME OF FIRM

DATE