



Request for proposals (RFP)

The supply of CentOS based OpenStack Cloud Platform to the CSIR

RFP No. 3320/02/09/2019

Date of Issue	Wednesday, 07 August 2019	
Closing Date	Monday, 02nd September 2019 @16h30	
Place	CSIR Tender Box at Security Gate Reception located the at the following address; 15 Lower Hope Road Rosebank Cape Town 7700	
Enquiries	Strategic Procurement Unit	E-mail: tender@csir.co.za
CSIR business hours	08h00 – 16h30	
Category	Computer Hardware and Software	

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SECTION A – TECHNICAL INFORMATION

1 INTRODUCTION

The Council for Scientific and Industrial Research (CSIR) is one of the leading scientific research and technology development organisations in Africa. In partnership with national and international research and technology institutions, CSIR undertakes directed and multidisciplinary research and technology innovation that contributes to the improvement of the quality of life of South Africans. The CSIR's main site is in Pretoria while it is represented in other provinces of South Africa through regional offices.

1.1 CENTRE FOR HIGH PERFORMANCE COMPUTING ('the centre')

The Centre for High Performance Computing (CHPC), a ring-fenced national facility managed by the CSIR, is one of three primary pillars of the National Integrated Cyber-Infrastructure System (NICIS) intervention supported by the Department of Science and Innovation (DSI). The South African National Research Network (SANReN) and the Data Intensive Research Initiative of South Africa (DIRISA) complement the CHPC through the provision of low latency, high-bandwidth connectivity, and the effective curation of a variety of notably large and critical databases. The CHPC infrastructure is updated and maintained meticulously to comply with international standards.

The **mission** of the Centre for High Performance Computing is to provide a world-class High Performance Computing (HPC) Facility that enables cutting-edge research with high impact on the South African Economy.

The main **objectives** of the centre are to enable South Africa to become globally competitive and to accelerate Africa's socio-economic upliftment through the effective application of high-end .

In its **vision**, the centre wants to become an accomplished and preferred partner for High Performance Computing solutions.

2 BACKGROUND

CHPC has the mandate to supply the HPC services to the South African Research community. The current ITShop environment is the Virtual environment that hosts amongst others the

CHPC mail domain name server and helpdesk services platforms. These platforms are critical to the centre's service delivery to the users since they enable the direct communication from the users to the CHPC staff.

The OpenStack Cloud Services will cater for the CHPC users running amongst others; custom workflows, embarrassingly parallel workloads and webhosting. The main objective of the proposed solution is to ensure that the CHPC internal staff are well trained and can perform first line support of the installed product.

The long term planning of the HPC facilities at CHPC, will also take into consideration the converged infrastructure, where novel provisioning of HPC systems will include bare-metal cloud systems. The OpenStack services will also be a road-header for such HPC configuration in the future. It is envisaged that this platform will build both the skills and operational experience for CHPC, to develop, provision and operate National federated OpenStack platform, which will be linked with other countries, which are involved in the Square Kilometer Array (SKA).

3 CURRENT VIRTUAL ENVIRONMENT

3.1 Technical Background

The ITShop Infrastructure is currently built from Dell M1000e system with 4x PowerEdge M610 half blade servers and 1x PowerEdge M910 full-blade server. These 5 Physical servers are clustered to provide virtual computing resources through VMware vSphere 5 Enterprise hypervisor and directly attached to IBM Storwize V7000 50 TB SAN system with 75 x 900GB 2.5in 10k rpm 6Gb SAS HDD to provide local storage to virtual servers. The IBM Storwize V7000 50 TB SAN is configured to be mapped to the five servers and logical volumes are created to be shared by the provisioned virtual servers.

The virtual servers are mostly provisioned through thin-provisioning method on the allocated logical volume from the 50TB storage to reduce the cost of the storage while access to the provisioned virtual servers is mostly granted through protected protocols (such as SSH-Tunnel as for linux machines) from the internet network.

The ITShop infrastructure is currently administered and monitored through VMware vSphere five (5) Client software and the abstraction layer to provide virtual environment/virtualisation is served by the VMware vSphere 5 Enterprise version licensed for 2 physical CPU.

Current Hardware Installed

- **4x DellPowerEdge M610:** Installed with 2x Intel Xeon CPU L5520@2.27GHz with 4 cores per socket and 32 GB physical memory installed per server.
- **Dell PowerEdge M910:** Installed with 2x Intel Xeon CPU X7560@2.27GHz with 8 cores per socket and 64 GB physical memory installed.
- **2x Dell M6220 Switch:** 2x Dell M6220 FlexIO modular switches are installed on Dell M1000e chassis system to provide the redundant ethernet connectivity between the servers and to the internet. Both switches are configured with 1GB connection link to the top-of-rack switch (Cisco Catalyst 2960) which provide 6GB link from ITShop to the CHPC Core switch for internal and public network.
- **2x Brocade4424 Switches:** 2x Dell Brocade M5424 modular switches are installed on the Dell M1000e Chassis system to provide the redundant FC SAN connectivity between servers and IBM Storwize V7000 50 TB Storage.

4 INVITATION FOR PROPOSAL

Proposals are hereby invited for the suppliers to propose to the CSIR, CentOS based OpenStack Cloud Solution to deliver on the mandate of the CHPC.

5 PROPOSAL SPECIFICATION

All proposals are to be submitted in a format specified in this enquiry. However, bidders are welcome to submit additional / alternative proposals over and above the originally specified format a per par 11.7 of this RFP.

5.1 SOLUTION OVERVIEW

The objective of this project is to procure a CentOS based OpenStack cloud solution for CHPC and to create a self-service virtual machine (VM) provisioning portal, automate common administrative tasks like VM creation, recoup unused resources, and infrastructure maintenance tasks as well as implement reporting like capacity analysis, utilization reports, and end-user costing.

5.2 PRODUCT REQUIREMENTS

Bidders must include, in their proposal, the working CentOS based OpenStack cloud base system design, and clearly indicate how the solution scale for both nodes or/and storage level. The scalable solution must include any additional hardware equipment required should the solution scale to additional rack. The solution must be geared for HPC workloads or demonstrate how it can be changed to suite HPC workloads in a near future.

The solution must provide the following features and functionality;

- 5.2.1. **Dashboard** - OpenStack web-based graphical interface used to view, create and manage the OpenStack infrastructure and managed resources.
- 5.2.2. **Identity Management** – Explain how your identity management works.
- 5.2.3. **Compute** – OpenStack base system with a minimum of:
 - 20 cores for dual CPU with at least 2.2 GHz
 - 2 compute node with at least 20 cores for dual CPU and 3 GHz
 - 5GB RAM per core
 - The servers should have at least 25G Ethernet network cards with at least PCI express x16 slot (gen 3) available.
- 5.2.4. **Network** - OpenStack network management – Note that the system will be developed to cater for at least 100Gps Ethernet in the future. The minimum network requirement for now must be at least 25Gbps. The Network switches should be able to run the configuration management software. Explain how this will be achieved.
- 5.2.5. OpenStack controller servers to support the OpenStack control plane and be able to provide high availability. The supplier should describe how these servers are architected and will support and scale with the number of Compute Servers. The CPU architecture and network functionality should be consistent with 4.2.3 above and 4.2.6 below.
- 5.2.6. **Storage** – The supplier should provide minimum base storage useable capacity of 500TB (3 copies = 1.5PB) where at least 10% is SSDs. The supplier must also include a shared file system service and explain which file systems can be used.

- 5.2.7. **Orchestration** - OpenStack orchestration component capable of automating the deployment and management of OpenStack resources including compute, storage and networks.
- 5.2.8. **Telemetry** – The supplier must provide monitoring and billing for the solution. The solution should be able to generate reports detailing the cost associated with the resources consumed by each customer able to provide billing information from requested services and from utilised services.
- 5.2.9. **Image repositories** – The supplier must provide solution with image services, where virtual disk images will be stored and retrieved during provisioning.
- 5.2.10. Suppliers to explain the upgrade process (hardware and software) and road map based on their experience.
- Support for minor upgrades of the OpenStack control plane within the same release branch
 - Support for major upgrades between one major release and next.
 - Backup and Restore strategy
- 5.2.11. Supplier to propose the software development plan together with CHPC on some of the OpenStack tools. The development should take into consideration the platform being used a benchmark for long-term Federated OpenStack Services, which will involve multiple institutions and countries.
- 5.2.12. Supplier should supply separate pricing for the following:
- Fully operational OpenStack base system.
 - Provide price per compute node.
 - Provide price 500TB usable storage (3 copies = 1.5PB).
 - Any additional hardware equipment required should the solution scale to the second rack (i.e. cabling, switching etc.) and
 - Provide price for the 3-year software support or development services

5.3 IMPLEMENTATION

The installation and setup of the system should be performed at the CHPC facility in Rosebank, Cape Town.

- The Vendor must provide a support engineer on-site, available 8am–4:30pm Monday through Friday, with the exception of CHPC holidays, beginning on the project initiation date until to project completion. The support engineer will be expected to work closely with CHPC staff to develop, configure, test the system until the acceptance stage and it is ready to run the production workloads.
- It is also expected that knowledge transfer of the system configuration, installation, and maintenance package be transferred to CHPC staff during this period.

5.4. WARRANTY AND LICENSING INFORMATION

5.4.1. The cost of the proposed system shall include all warranties and licensing (if applicable) for all hardware and any software, delivered with the system. This must include hardware which is not manufactured by the primary Vendor. Warranties and licenses (if applicable) shall be for a period of 3 years of operation.

5.4.2. The start date of the year of full production operation is defined as the day of machine acceptance.

5.4.3. The date of the warranties and licenses (if applicable) for all components shall be clearly provided in the technical proposal.

5.5. SKILLS TRANSFER AND TRAINING

5.5.1. Each proposal must include the implementation process that the Vendor will follow to work together with the CHPC staff.

5.5.2. Vendors must commit to on-site skills transfer for system administration of the equipment and software as part of their proposal.

5.5.3. Skills transfer shall commence before the implementation and prior to the beginning of the Acceptance Testing Period.

5.5.4. The Skills transfer and training for the technical team should include the following topics:

System Operation and Advanced Administration

- Software installation and updating
- System monitoring

- System reconfiguration
- User account creation and management
- File system management
- OpenStack on HPC
- Backup and recovery
- Network configuration and modification
- System security

5.5.5. The supplier must describe all proposed training and documentation relevant to the proposed solutions utilizing the following methods:

- Classroom training
- Onsite training
- Online documentation
- Online training

5.6 Acceptance test suite

5.6.1. The Acceptance test suite will form part of the contractual agreement with the successful bidder and will be evaluated after the successful implementation of the OpenStack solution.

5.6.2. Acceptance of the OpenStack cluster will be assessed using OpenStack RefStack (<https://wiki.openstack.org/wiki/RefStack>). This consists of a toolset for testing compliance against a resulting OpenStack Cloud. CHPC reserves the right to assess the performance of the Cloud against these functional tests.

5.7 Maintenance, Support, and Technical Services

5.7.1. Hardware support will require replacement of failed or faulty critical components by the next business day or sooner. A critical component is defined as one that is required to enable 90% of the system to be able run projects successfully. Software support will require telephone and email response to problem calls and questions. Response to software support calls to be next business day or sooner.

5.7.2. Vendors should describe both the hardware and software support provided for the proposed system during the support period. Vendors must provide documentation to demonstrate a current ability to provide 24x7 supports as the CHPC may, in the future, decide to take advantage of such a program.

- 5.7.3. Vendors must specify the location of the nearest parts depot and explain the conditions under which support will be contracted out to a third party.
- 5.7.4. Bidders must provide information on how you anticipate delivering and supporting your proposed solution, paying particular attention to the personnel and skills available within your organization.
- 5.7.5. Vendors should provide a recommended set of spares that might be purchased by the CHPC and kept on site. The CHPC shall provide space for these spares.

5.8 Documentation

- 5.8.1. The Vendor shall provide documentation for the OpenStack solution to the operators and system administrators in order to effectively operate, configure, and use the platform.
- 5.8.2. The Vendor shall provide documentation for the OpenStack cloud system describing the configuration; Network topology, labelling schema, hardware layout, etc. of the system as deployed before the commencement of the system acceptance testing.
- 5.8.3. The Vendor shall supply support system and user level documentation for all components of the system. The Vendor shall supply additional documentation necessary for the operation and maintenance of the system.
- 5.8.4. All documentation shall be distributed and updated electronically and in a timely manner. For example, changes to the system shall be accompanied by relevant documentation. Documentation of changes and fixes may be distributed electronically in the form of release notes. Reference manuals may be updated later, but effort should be made to keep all documentation current.

6 FUNCTIONAL EVALUATION CRITERIA

- 6.1 The evaluation of the functional / technical detail of the proposal will be based on the following criteria. Please refer to annexure B for functional evaluation criteria
- 6.1 Proposals with functionality / technical points of less than the pre-determined minimum overall percentage of **70%** and less than **50%** on any of the individual criteria will be eliminated from further evaluation.

7 PRE-QUALIFICATION CRITERIA TO ADVANCE CERTAIN GROUPS

- 7.1. Only bidders with a B-BBEE status of level 1 or 2, and are EME or QSE will be considered for this tender.
- 7.2. A certified copy or an original copy of a valid B-BBEE certificate, or valid sworn affidavit must be submitted - (B-BBEE certificate (SANAS) approved or Sworn Affidavit (in Dti format).
- 7.3. Bidders that failed to meet the pre-qualification requirements of this tender will not be considered.

8 ELIMINATION CRITERIA

Proposals will be eliminated under the following conditions:

- Submission after the deadline;
- Proposals submitted at incorrect location;
- Solution not based on CentOS
- Compute nodes have less than 5GB per core;
- Telemetry without billing;
- The Supplier did not propose 25GB Ethernet network cards with PCI express x16 slot (gen 3) for compute nodes;
- The supplier did not propose usable storage of 500TB with three copies;
- The proposed storage does not consist of at least 10% of SSDs;
- The solution is not geared up for HPC workloads or does not demonstrate how it can be changed to suite HPC workloads in near future. Please provide a clear framework and/or system design.
- The Supplier does not include on its proposal the working OpenStack cloud base system design;
- The Supplier does not indicate how the solution scale for both nodes and storage;
- The scalable solution does not include any additional hardware equipment required should the solution scale to additional rack;
- Details of the complete OpenStack previously implemented project not supplied; No skills transfer and training commitment.
- Bidders that are not EME's or QSE with a Level 1 or 2 B-BBEE, such bidders must provide either a valid B-BBEE Sworn Affidavit or certified valid B-BBEE certificate.

9 NATIONAL TREASURY CENTRAL SUPPLIER DATABASE (CSD) REGISTRATION

Before any negotiations will start with the winning bidder it will be required from the winning bidder to:

- be registered on National Treasury's Central Supplier Database (CSD). Registrations can be completed online at: www.csd.gov.za;
- provide the CSIR of their CSD registration number; and
- provide the CSIR with a certified copy of their B-BBEE certificate. If no certificate can be provided, no points will be scored during the evaluation process (RSA suppliers only)

SECTION B – TERMS AND CONDITIONS

10 VENUE FOR PROPOSAL SUBMISSION

All proposals must be submitted at CSIR TENBER BOX located at address;
CSIR Campus – Security Gate Reception
 15 Lower Hope Road
 Rosebank
 Cape Town
 7700

11 TENDER PROGRAMME

The tender program, as currently envisaged, incorporates the following key dates:

- Issue of tender documents: Wednesday, 07th August 2019
- Last date for submission of queries: Friday, 23th August 2019
- **Closing / submission Date: Monday, 02nd September 2019 @ 16h30**
- Estimate appointment date of successful tenderer 30 September, 2019
- Estimated contract duration (in months/years): Three years

12 SUBMISSION OF PROPOSALS

12.1 All proposals are to be sealed. No open proposals will be accepted.

12.1 All proposals are to be clearly marked with the RFP number and the name of the tenderer on the outside of the main package. Proposals must consist of two parts, each of which is placed in a separate sealed package clearly marked:

RFP Section	Tender Response Documents
<p style="text-align: center;">Part 1</p> <p style="text-align: center;">This information must not contain any pricing information (Part 2).</p>	Technical Proposal and all relevant supporting documents on technical proposal.
	Project management plan and related information
	References related information
	All relevant supporting documents on technical proposal.
	Any other technical information the bidder wishes to share as part of the technical submission.
	Signed RFP and Declaration (this document)
	Completed Annexure A and B
	B-BBEE certificate (SANAS) approved or Sworn Affidavit (in Dti format)
	One hard copy and one electronic copy (USB memory key) of this part.

Part 2 (information in this part must not contain any technical information i.e. Part 1 information.)	Detailed Price proposal/quotation on official company letterhead (should cross reference to the technical proposal).
	CSD registration(www.csd.gov.za)
	Latest audited financial statements.
	One hard copy and one electronic copy (USB memory key) of this part.

- 12.1 Proposals submitted by companies must be signed by a person or persons duly authorised.
- 12.1 The CSIR will award the contract to qualified tenderer(s)' whose proposal is determined to be the most advantageous to the CSIR, taking into consideration the technical (functional) solution, price and B-BBEE.

13 DEADLINE FOR SUBMISSION

Proposals shall be submitted at the address mentioned above no later than the closing date of **Monday, 02nd September 2019 @16h30**, during CSIR's business hours. The CSIR business hours are between 08h00 and 16h30.

Where a proposal is not received by the CSIR by the due date and stipulated place, it will be regarded as a late tender.

Late tenders will not be considered.

14 AWARDING OF TENDERS

Awarding of tenders will be published on the National Treasury e-tender portal or the CSIR's tender website. No regret letters will be sent out.

15 EVALUATION PROCESS

15.1 Evaluation of proposals

All proposals will be evaluated by an evaluation team for functionality, price and B-BBEE. Based on the results of the evaluation process and upon successful negotiations, the CSIR will approve the awarding of the contract to successful tenderers.

A two-phase evaluation process will be followed.

- The first phase includes evaluation of **pre-qualification, elimination and functionality criteria.**

- The second phase includes the evaluation of **Price** and **B-BBEE** status.

Pricing Proposals will only be considered after functionality phase has been adjudicated and accepted. Only proposals that achieved the specified minimum qualification scores for functionality will be evaluated further using the preference points system.

15.1 Preference points system

The 80/20 preference point system will be used where 80 points will be dedicated to price and 20 points to B-BBEE status.

16 PRICING PROPOSAL

- 16.1. Pricing proposal must be cross-referenced to the sections in the Technical Proposal. Any options offered must be clearly labelled. Separate pricing must be provided for each option offered to ensure that pricing comparisons are clear and unambiguous.
- 16.2. 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.
- 16.3. Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable. Only firm prices* will be accepted during the tender validity period. Non-firm prices** (including prices subject to rates of exchange variations) will not be considered.

**Firm price is the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax which, in terms of a law or regulation is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;*

***Non-firm price is all prices other than "firm" prices*

- 16.4. Payment will be according to the CSIR Payment Terms and Conditions.

17 VALIDITY PERIOD OF PROPOSAL

Each **proposal** shall be valid for a minimum period of **eighty (80) business days** calculated from the closing date of this.

18 APPOINTMENT OF SERVICE PROVIDER

- 18.1. The contract will be awarded to the tenderer who scores the highest total number of points during the evaluation process, except where the law permits otherwise.
- 18.2. Appointment as a successful service provider shall be subject to the parties agreeing to mutually acceptable contractual terms and conditions. In the event of the parties failing to reach such agreement CSIR reserves the right to appoint an alternative supplier.
- 18.3. Awarding of contracts will be announced on the National Treasury website and no regret letters will be sent to unsuccessful bidders.

19 ENQUIRIES AND CONTACT WITH THE CSIR

Any enquiry regarding this RFP shall be submitted in writing to CSIR at tender@csir.co.za with **“RFP No 3320/02/09/2019 - The Supply of a CentOS based OpenStack Cloud Platform to the CSIR”** as the subject.

Any other contact with CSIR personnel involved in this tender is not permitted during the RFP process other than as required through existing service arrangements or as requested by the CSIR as part of the RFP process.

20 MEDIUM OF COMMUNICATION

All documentation submitted in response to this RFP must be in English.

21 COST OF PROPOSAL

Tenderers are expected to fully acquaint themselves with the conditions, requirements and specifications of this RFP before submitting proposals. Each tenderer assumes all risks for resource commitment and expenses, direct or indirect, of proposal preparation and participation throughout the RFP process. The CSIR is not responsible directly or indirectly for any costs incurred by tenderers.

22 CORRECTNESS OF RESPONSES

The tenderer must confirm satisfaction regarding the correctness and validity of their proposal and that all prices and rates quoted cover all the work/items specified in the RFP. The prices

and rates quoted must cover all obligations under any resulting contract. The tenderer accepts that any mistakes regarding prices and calculations will be at their own risk.

23 VERIFICATION OF DOCUMENTS

- 23.1. Tenderers should check the numbers of the pages to satisfy themselves that none are missing or duplicated. No liability will be accepted by the CSIR in regard to anything arising from the fact that pages are missing or duplicated.
- 23.2. **One hard copy and one electronic copy (USB memory key)** of each proposal part must be submitted. In the event of a contradiction between the submitted copies, the hard copy shall take precedence.
- 23.3. Pricing schedule and B-BBEE credentials should be submitted with the proposal, but as a separate document and no such information should be available in the technical proposals.
- 23.4. If a courier service company is being used for delivery of the proposal document, the RFP description must be endorsed on the delivery note/courier packaging to ensure that documents are delivered to the tender box, by the stipulated due date.

24 SUB-CONTRACTING

- 24.1. A tenderer will not be awarded points for B-BBEE status level if it is indicated in the tender documents that such a tenderer intends sub-contracting more than **25%** of the value of the contract to any other enterprise that does not qualify for at least the points that such a tenderer qualifies for, unless the intended sub-contractor is an exempted micro enterprise that has the capability and ability to execute the sub-contract.
- 24.2. A tenderer awarded a contract may not sub-contract more than **25%** of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an exempted micro enterprise that has the capability and ability to execute the sub-contract.

25 ENGAGEMENT OF CONSULTANTS

The consultants will only be remunerated at the rates:

- 25.1. Determined in the "Guideline for fees", issued by the South African Institute of Chartered Accountants (SAICA); or
- 25.2. Set out in the "Guide on Hourly Fee Rates for Consultants", by the Department of Public Service and Administration (DPSA); or

25.3. Prescribed by the body - regulating the profession of the consultant.

26 TRAVEL EXPENSES

26.1. All travel expenses for the CSIR's account, be it directly via the CSIR's travel agent or indirectly via re-imbursements, must be in line with the CSIR's travel policy. The following will apply:

26.2. Only economy class tickets will be used.

26.3. A maximum of R1300 per night for accommodation, dinner, breakfast and parking will be allowed.

26.4. No car rentals of more than a Group B will be accommodated.

27 ADDITIONAL TERMS AND CONDITIONS

27.1. A tenderer shall not assume that information and/or documents supplied to CSIR, at any time prior to this request, are still available to CSIR, and shall consequently not make any reference to such information document in its response to this request.

27.2. Copies of any affiliations, memberships and/or accreditations that support your submission must be included in the tender.

27.3. In case of proposal from a joint venture, the following must be submitted together with the proposal:

- Joint venture Agreement including split of work signed by both parties;
- The original or certified copy of the B-BBEE certificate of the joint venture;
- The Tax Clearance Certificate of each joint venture member;
- Proof of ownership/shareholder certificates/copies; and
- Company registration certificates.

27.4. An omission to disclose material information, a factual inaccuracy, and/or a misrepresentation of fact may result in the disqualification of a tender, or cancellation of any subsequent contract.

27.5. Failure to comply with any of the terms and conditions as set out in this document will invalidate the Proposal.

28 CSIR RESERVES THE RIGHT TO

28.1. Extend the closing date;

28.2. Verify any information contained in a proposal;

- 28.3. Request documentary proof regarding any tendering issue;
- 28.4. Give preference to locally manufactured goods;
- 28.5. Appoint one or more service providers, separately or jointly (whether or not they submitted a joint proposal);
- 28.6. Award this RFP as a whole or in part;
- 28.7. Cancel or withdraw this RFP as a whole or in part.

29 DISCLAIMER

This RFP is a request for proposals only and not an offer document. Answers to this RFP must not be construed as acceptance of an offer or imply the existence of a contract between the parties. By submission of its proposal, tenderers shall be deemed to have satisfied themselves with and to have accepted all Terms & Conditions of this RFP. The CSIR makes no representation, warranty, assurance, guarantee or endorsements to tenderer concerning the RFP, whether with regard to its accuracy, completeness or otherwise and the CSIR shall have no liability towards the tenderer or any other party in connection therewith.

DECLARATION BY TENDERER

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

RFP No: 3320/02/09/2019

I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / proposal specifications stipulated in RFP No. 3320/02/09/2019 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 proposal.

I confirm that I am satisfied with regards to the correctness and validity of my proposal; that the price(s) and rate(s) quoted cover all the services specified in the proposal 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 proposal as the principal liable for the due fulfilment of this proposal.

I declare that I have no participation in any collusive practices with any tenderer or any other person regarding this or any other 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
NAME OF FIRM
DATE

WITNESSES	
1
2
DATE:	

30. ANNEXURE A - Functional/Technical Criteria and Scoresheet and Elimination criteria

31. ANNEXURE B - SBD1 Form - (to be completed by bidder).