



Request for Proposals (RFP)

The provision of services for design software and training for firms supported by the Technology Localisation Implementation Unit (TLIU), hosted by the CSIR

RFP No. 3268/01/02/2019

Date of Issue	18 January 2019	
Closing Date	01 February 2019	
Place	Tender box, CSIR Main Reception, Gate 3 (North Gate)	
Enquiries	Strategic Procurement Unit	E-mail: tender@csir.co.za
CSIR business hours	08h00 – 16h30	
Category	Professional Services	

TABLE OF CONTENTS

SECTION A – TECHNICAL INFORMATION	3
1 INTRODUCTION	3
2 BACKGROUND	3
3 INVITATION FOR PROPOSAL	3
4 PROPOSAL SPECIFICATION	3
5 FUNCTIONAL EVALUATION CRITERIA	5
6 ELIMINATION CRITERIA	6
7 NATIONAL TREASURY CENTRAL SUPPLIER DATABASE (CSD) REGISTRATION	6
SECTION B – TERMS AND CONDITIONS	7
8 VENUE FOR PROPOSAL SUBMISSION	7
9 TENDER PROGRAMME	7
10 SUBMISSION OF PROPOSALS	7
11 DEADLINE FOR SUBMISSION	7
12 AWARDING OF TENDERS	8
13 EVALUATION PROCESS	8
14 PRICING PROPOSAL	8
15 VALIDITY PERIOD OF PROPOSAL	9
16 APPOINTMENT OF SERVICE PROVIDER	9
17 ENQUIRIES AND CONTACT WITH THE CSIR	9
18 MEDIUM OF COMMUNICATION	10
19 COST OF PROPOSAL	10
20 CORRECTNESS OF RESPONSES	10
21 VERIFICATION OF DOCUMENTS	10
22 SUB-CONTRACTING	11
23 ENGAGEMENT OF CONSULTANTS	11
24 TRAVEL EXPENSES	11
25 ADDITIONAL TERMS AND CONDITIONS	12
26 CSIR RESERVES THE RIGHT TO	12
27 DISCLAIMER	13
DECLARATION BY TENDERER	14
28 ANNEXURE A	15

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.

2 BACKGROUND

The Technology Localisation Implementation Unit (TLIU) is an initiative of the DST, hosted by the CSIR. The TLIU has been mandated by Department of Science and Technology (“DST”) to implement various interventions in support of the DST’s Technology Localisation Plan (TLP) and to enhance the competitiveness of the South African manufacturing sector.

3 INVITATION FOR PROPOSAL

Proposals are hereby invited for the the provision of design software and training to firms supported by the TLIU.

4 PROPOSAL SPECIFICATION

All proposals are to be submitted in a format specified in this RFP (if applicable). However, tenderers are welcome to submit additional / alternative proposals over and above the originally specified format.

The design software is required for manufacturing related projects and must support the development of the company in optimising the manufacturing processes and design processes employed within the firm. In some instances there is a need for the design software to link to automated machining software that will allow for improved efficiency in the machining process and allow for designs to be easily converted to machining codes.

There is also a need to provide firms with the ability to simulate processes that are developed utilising the design systems.

Training and aftersales support is required for the abovementioned product.

Service providers need to sign off the needs request and attach it to their tender submissions.

The companies to be supported with design software are as follows:-

Company name and address	Contact Person	Contact details	Province	Industry/Sector	Total number of employees
B Engineering Holdings. 5 Main Reef Rd, Unit 5 Main Reef par, Danswart, Boksburg	Felix	0760445933	Gauteng	Drive train systems and precision engineering	13
Dezzi	Louise Gutzeit	0824985545	KZN	Construction & Earthmoving, Mining, Sugar	54
Engtec	Siddiq Adam	0829409211	KZN	Construction & Earthmoving, Mining, Sugar	15
Donnees Engineering 10 Zuidmeer, Charleston Hill, Paarl, 7646	Johan	0827893818	Western Cape	Precision Engineering	31
Delberg Engineering	Danie	082 455 4774	Gauteng	Fabrication	32
DNA	Shervaan	(011) 024 1148	Gauteng	Fabrication	25
Closeal	Jerome	082 85 2938	Gauteng	Fabrication	15

Tenderers are required to address the following:

The support required from the company providing the services include the following:-

- Ability to generate computer aided drawings of the assembly and explode the Bill of Materials (BoM) for the manufacturing process
- Ability to simulate the processes involved in order to perform realistic function testing of the prototype through a wide range of potential applications.
- Ability to conduct Finite Element Analysis through the software

5 FUNCTIONAL EVALUATION CRITERIA

5.1 The evaluation of the functional / technical detail of the proposal will be based on the following criteria:

- Ability of the software to allow for complete and seamless integrate with CNC Solutions
- Ability of the software to conduct complete Finite Element Analysis (FEA) for linear and non-linear functionality as well as Computational Fluid Dynamics (CFD) functionality in the 3D modelling environment allowing for quick simulation with the ability to conduct simulation of machining prior to manufacturing
- Application of the software in a variety of Manufacturing/ Mechanical Engineering industries.
- Ability of the software to link or integrate with various ERP systems allowing for data management in various formats (including SQL, XML and CSV)
- National presence of the organisation offering implementation and after sales support
- Years of experience in computer aided engineering
- Number of trained engineers and support staff for implementation and training.

5.2 Proposals with functionality / technical points of less than the pre-determined minimum overall percentage of 80% and less than 60% on any of the individual criteria will be eliminated from further evaluation.

5.3 Refer to Annexure A for the scoring sheet that will be used to evaluate functionality.

6 ELIMINATION CRITERIA

Proposals will be eliminated under the following conditions:

- Submission after the deadline; and
- Proposals submitted at incorrect location;

7 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

8 VENUE FOR PROPOSAL SUBMISSION

All proposals must be submitted at:

- **CSIR GATE 03 - Main Reception Area** (in the **Tender box**) at the following address
Council for Scientific and Industrial Research (CSIR)
Meiring Naudé Road
Brummeria
Pretoria

9 TENDER PROGRAMME

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

- Issue of tender documents: 18 January 2019
- Last date for submission of queries: 25 January 2019
- Closing / submission Date: 01 February 2019

10 SUBMISSION OF PROPOSALS

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

10.2 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:

PART 1: Technical Proposal: RFP326/2/2019

PART 2: Pricing Proposal, B-BBEE and other Mandatory Documentation:

RFP No.: 3268/01/02/2019

10.3 Proposals submitted by companies must be signed by a person or persons duly authorised.

10.4 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.

11 DEADLINE FOR SUBMISSION

Proposals shall be submitted at the address mentioned above no later than the closing date of *01 February 2019* 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.

12 AWARDING OF TENDERS

12.1 Awarding of tenders will be published on the National Treasury e-tender portal. No regret letters will be sent out.

13 EVALUATION PROCESS

13.1 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 **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.

13.2 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. If all tenders received are more than R50m, the proposal will be cancelled and re-issued.

14 PRICING PROPOSAL

14.1 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.

14.2 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.

14.3 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable.

14.4 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.*

14.5 Payment will be according to the CSIR Payment Terms and Conditions.

15 VALIDITY PERIOD OF PROPOSAL

Each **proposal** shall be valid for a minimum period of three (3) months calculated from the closing date.

16 APPOINTMENT OF SERVICE PROVIDER

16.1 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.

16.2 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.

16.3 Awarding of contracts will be announced on the National Treasury website and no regret letters will be sent to unsuccessful bidders.

17 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 3268/01/02/2019 - The provision of services for design software and training for firms supported by the Technology Localisation Implementation Unit(TLIU), hosted by 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.

18 MEDIUM OF COMMUNICATION

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

19 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.

20 CORRECTNESS OF RESPONSES

- 20.1 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.
- 20.2 The tenderer accepts that any mistakes regarding prices and calculations will be at their own risk.

21 VERIFICATION OF DOCUMENTS

- 21.1 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.
- 21.2 *One hard copy and one electronic copy (CD or USB memory key)* of each proposal must be submitted. In the event of a contradiction between the submitted copies, the hard copy shall take precedence.

- 21.3 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 proposal.
- 21.4 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.

22 SUB-CONTRACTING

- 22.1 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.
- 22.2 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.

23 ENGAGEMENT OF CONSULTANTS

The consultants will only be remunerated at the rates:

- 23.1 Determined in the "Guideline for fees", issued by the South African Institute of Chartered Accountants (SAICA); or
- 23.2 Set out in the "Guide on Hourly Fee Rates for Consultants", by the Department of Public Service and Administration (DPSA); or
- 23.3 Prescribed by the body - regulating the profession of the consultant.

24 TRAVEL EXPENSES

- 24.1 All travel expenses for the CSIR's account, be it directly via the CSIR's travel agent or indirectly via re-imburements, must be in line with the CSIR's travel policy. The following will apply:
- 24.1.1 Only economy class tickets will be used.

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

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

25 ADDITIONAL TERMS AND CONDITIONS

25.1 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.

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

25.3 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.

25.4 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.

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

26 CSIR RESERVES THE RIGHT TO

26.1 Extend the closing date;

26.2 Verify any information contained in a proposal;

26.3 Request documentary proof regarding any tendering issue;

26.4 Give preference to locally manufactured goods;

26.5 Appoint one or more service providers, separately or jointly (whether or not they submitted a joint proposal);

26.6 Award this RFP as a whole or in part;

26.7 Cancel or withdraw this RFP as a whole or in part.

27 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: 3268/01/02/2019

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 3268/01/02/2019 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:	

28 ANNEXURE A

Functional Criteria	Weighting	6	8	10
Ability of the software to allow for complete seamless integration with CNC Solutions	15%	Software can only integrate to 1 CNC solution	Software can integrate to 3 to 4 CNC solutions (provide list)	Software can integrate to 5 or more CNC solutions (provide list)
Ability of the software to conduct Finite Element Analysis (FEA) for linear and non-linear functionality as well as Computational Fluid Dynamics (CFD) functionality in the 3D modelling environment allowing for quick simulation with the ability to conduct simulation of machining prior to actual machining	15%	Software can only conduct FEA for linear functionality with no simulation capability	Software can only conduct FEA for linear functionality and CFD with simulation capability	Software can conduct FEA for linear and non-linear functionality and CFD with simulation capability
Application of the software in a variety of Manufacturing/ Mechanical Engineering industries	15%	Has applications in 2 to 4 sectors of the manufacturing industry	Has applications in 5 to 9 sectors of the manufacturing industry	Has applications in 10 and more sectors of the manufacturing industry
Ability of the software to link or integrate with various ERP systems allowing for data management in various formats (including SQL, XML and CSV)	15%	Software can link to one ERP solution with no data integration capability	Software can link to two ERP solutions with no data integration capability	Software can link to three ERP solutions with data integration capability
National presence of the organization offering implementation and after sales support	15%	Organisation has physical presence in one province with all required support staff	Organisation has physical presence in two provinces with all required support staff	Organisation has physical presence in three or more provinces with all required support

		(details of office locations to be provided)	(details of office locations to be provided)	staff (details of office locations to be provided)
Years of experience in computer aided engineering	15%	The organization has one year of experience	The organization has 5-10 years of experience	The organization has greater than 10 years of experience
Number of trained engineers and support staff for implementation and training	10%	5 to 9 trained engineers and support staff	10 trained engineers and support staff	>10 trained engineers and support staff
Total	100%			