

Request for Proposals (RFP)

The provision of services for the implementation of Lean Manufacturing principles in manufacturing companies

RFP No. 1049/21/11/2022

Date of Issue	Monday, 07 November 2022	
Closing Date	Monday, 21 November 2022 at 16:30	
Electronic Submission of queries and bids	tender@csir.co.za	
Enquiries	Strategic Procurement Unit	E-mail: tender@csir.co.za
CSIR business hours	08h00 – 16h30	
Category	Professional Services	

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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 organizations 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 CSIR requires qualified, experienced management systems consultants who will assist in the fulfilment of the mandate and vision by providing consulting and support services in the implementation of lean management principles in the supported entities. These management system implementations will include amongst others gap analysis, development of standard operating procedures, and compliance to the standard in relation to the scope and company activities. The beneficiary companies are in different sectors of manufacturing value chain.

3 INVITATION FOR PROPOSAL

Proposals are hereby invited for the provision of lean management manufacturing systems to the beneficiary companies.

The approach should include amongst others the following: -

- A comprehensive list of toolkits and lean manufacturing principles to be implemented; and
- Training plan and skills transfer process for systems to be implemented.

The fundamental philosophy behind Lean Manufacturing is to optimize process and work flows to improve both productivity and provide superior quality products for more customers at a significantly lower price and to contribute to a more sustainable business. It is important to build a company production system based on this philosophy. Lean Manufacturing has endeavored to rationalize production by:

- Eliminating waste in the production process
- To build quality into the process

- To reduce costs - productivity improvements
- To develop its own unique approach toward corporate management
- To create and develop integrated techniques that will contribute to corporate operation.
- Train staff on Lean principles and problem solving

Proposals are hereby invited for the implementation of lean manufacturing systems to 9 companies located in Gauteng and KZN as per table below. (Contact details of the companies will be shared with winning bidder)

N O	Approx Company staff size	Main Activities of the Company	Province
1	10	Water management systems	Gauteng
2	35	Injector components	KZN
3	30	Manufacturing of gaskets and engine components	KZN
4	10	Manufacturing of flanges and piping for marine application	KZN
5	45	Window rubber components for industrial applications	KZN
6	10	Manufacturing of conveyor systems	KZN
7	20	Powertrain systems for mining vehicles	Gauteng
8	10	Corrosion control, plants, and pipe maintenance	Gauteng
9	20	Smart Meter systems	Gauteng

4 PROPOSAL SPECIFICATION

Proposals are hereby invited for the provision of services for the Implementation of Lean Manufacturing Systems in Manufacturing Companies. The beneficiary companies are in different sectors of manufacturing value chain.

The service provider should propose a lean manufacturing approach that addresses the needs in both the technical and operational environment of the company. The service provider should be accredited by merSETA and offer training as an integral part of the implementation. The training is to comprise of unit standards or skills programmed from the Production Technology qualification. Proof of accreditation of full qualification and skills programmes with list of unit standards to be attached.

Service provider should have more than five years of experience in business process re-engineering or Lean Manufacturing implementation within different types of manufacturing

sector.

Service providers must have a track record of lean manufacturing implementations across the 3 different sectors i.e casting, fabrication and assembly. It is important, where relevant, to ensure seamless system integration with current systems at the company. Service providers should keep the maturity levels of the companies in mind and quote accordingly. Service provider should specify their approach, duration and pricing per company, as well as an aggregate price for the whole project.

4.1 Project Schedule and Proposal Requirements

It is anticipated that the work will commence upon acceptance and signing of a contract with an appropriate specialist appointed by the CSIR, and it is expected that the project will be completed within six (6) months of commencement of the project.

The proposal outline and brief should cover but not be limited to the following items:

- Scope of work – including boundaries and limits of the project
- Duration and delivery timeframes to undertake the work (Gantt chart or similar)
- Exclusions

NOTE to the BIDDERS:

The Bidder will provide the CSIR with a projected schedules of the proposed activities with projected time scales and reporting deadlines to keep the project them informed of progress e.g. Gantt Chart. The CSIR project manager is to be informed of all meetings scheduled with the company, and arrangements should be made to ensure that the management team is present during the initial project outline meetings, progress, and milestone report meetings (optional) and closure report meetings.

5 FUNCTIONAL EVALUATION CRITERIA

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

- Previous business process re-engineering implementation within the manufacturing sector

in years;

- Examples of Lean Manufacturing Implementations;
- Accredited training and skills transfer on systems implemented; and
- Evidence that a team exists that has experience and knowledge of lean manufacturing systems and principles as well as related systems.

5.2 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.

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
- Proposals submitted at incorrect location or wrong email
- Bidders that are listed on the NT database of restricted suppliers will not be considered
- Bidders that are registered on the NT Register of Tender Defaulters will not be considered
- Bidders that do not submit a fully completed and signed SBD 1 and SBD 4 Form will not be considered.

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 valid 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 PROPOSAL SUBMISSION

All proposals must be submitted to tender@csir.co.za

9 TENDER PROGRAMME

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

- Issue of tender documents Monday, 07 November 2022
- Last date for submission of queries: Thursday, 17 November 2022
- Closing / submission Date: Monday, 21 November 2022
- Estimated contract duration (in months/years) 9 months

10 SUBMISSION OF PROPOSALS

10.1 All proposals are to be emailed.

10.2 All proposals are to be clearly marked with the RFP number on the email. Proposals must consist of two parts, each of which must be in separate attachment clearly marked:

PART 1: Technical Proposal: RFP No 1049/21/11/2022

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

RFP No 1049/21/11/2022

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

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 email address mentioned above no later than the closing date of 21/11/2022 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 or the CSIR's tender website. 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.

Provide a valid copy of a B BBEE Certificate or valid sworn affidavit. No B BBEE status will equal to zero points . B BBEE certificate must be issued by SANAS accredited agency or a valid sworn affidavit in line with DTI regulations. (RSA suppliers only).

B BBEE Verification Agency issued the B BBEE Certificate can be verified on SANAS website on Verification Agency (B BBEE) under Accredited Facilities (Quick Access Links): <https://www.sanas.co.za/Pages/index.aspx> to check validity of the B BBEE Certificate.

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 No 1049/21/11/2022”** 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 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.

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 R1400 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: 1049/21/11/2022

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. 1049/21/11/2022 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	
•
•

28 ANNEXURE A (EVALUATION CRITERIA)

NO	FUNCTIONAL FACTORS	CRITERIA DESCRIPTION	SCORES	WEIGHT
1.	Previous business process re-engineering implementation within different types of manufacturing sector in years	Track record of lean manufacturing implementations- experience in years and across the 3 different sectors i.e casting, fabrication, and assembly	<p>10 = Has at least ten years' experience in implementation. Has experience in all three sectors i.e foundries, fabrication and assembly plants.</p> <p>7 = Has at least five years' experience in implementation in at least 2 sectors.</p> <p>5 = Has at least two years' experience in implementation within one sector eg. fabrication</p> <p>1 = Response reflects a complete misunderstanding of the requirements</p> <p>0= Did not provide any information</p>	35%
2.	Examples of Lean Manufacturing Implementations at different manufacturing sectors	Proof that they are currently conducting lean manufacturing implementations and examples of previous lean interventions across the 3 different sectors i.e casting, fabrication, and assembly	<p>10 = The proposal offered presents 20 lean manufacturing implementations in the last two years in all three sectors i.e foundries, fabrication and assembly plants</p> <p>7 = The proposal offered presents 10 lean manufacturing implementations in at least 2 sectors.</p> <p>5 = The proposal offered presents 5 lean manufacturing implementations in one sector eg. fabrication</p> <p>1 = Response reflects a complete misunderstanding of the requirements</p> <p>0= Did not provide any information</p>	30%

3.	Provide accredited training and skills transfer on lean principals and good manufacturing practice during lean implementation	Training aligned to recognized SAQA unit standards. Organization to be accredited by MERSETA. Should include unit standards from Production Technology Qualification	<p>10 = Training is an integral part of the implementation and comprises unit standards of Production Technology qualification. Proof of accreditation of full qualification</p> <p>7 = Training is offered during the implementation is Merseta accredited. Training does include unit standards from Production Technology Qualification. Proof of accreditation of unit standards and list of accredited unit standards attached</p> <p>5 = The training offered is not accredited by any SETA.</p> <p>1 = Response reflects a complete misunderstanding of the requirements</p> <p>0= Did not provide any information</p>	20%
4.	Provide evidence that a team exists that has experience and knowledge of lean manufacturing systems and principles as well as projected time scales and gantt chart	Evidence of a cross-functional team and projected time scales and gantt chart	<p>10 = The proposal shows that the supplier has 5 or more experts, and provided projected time scales and detailed gantt chart relevant to manufacturing sector.</p> <p>7 = The proposal shows that the supplier has only 4 experts, and provided projected time scales and detailed gantt chart relevant to manufacturing sector.</p> <p>5 = The proposal shows that the supplier only has 2 experts.</p> <p>1 = Response reflects a complete misunderstanding of the requirements</p> <p>0= Did not provide any information</p>	15%
		Total	100%	
		Minimum Threshold	70%	