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**THE TERMS OF REFERENCE FOR FEASIBILITY STUDY ON THE PROMOTION OF USE OF TIMBER  
IN CONSTRUCTION**

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## **REQUEST FOR PROPOSALS TO CONDUCT A FEASIBILITY STUDY ON THE PROMOTION OF USE OF TIMBER IN CONSTRUCTION**

### **1. PURPOSE**

Trade and Industrial Policy Strategies (TIPS), on behalf of the Department of Trade, Industry and Competition (the dtic), invites interested Service Providers to submit proposals to conduct research on the feasibility of the promotion of the use of timber in construction.

The purpose of the project is for development of a feasibility study that addresses the promotion of the use of timber in construction in South Africa. The feasibility study will inform the development of a strategy that enhance the use of timber in house and building constructions. The strategy will inform an approach that create a momentum in the attitude of South African consumers to consider timber as a credible alternative to traditional building material for construction. The study will seek to develop a roadmap and/or strategy that bridges the potential of the industry and the demand of timber in the construction. The strategy will provide a blueprint/ step-by-step market development for timber including an industry approach to timber quality and quantity in accordance with construction requirements. The study will also look into the perception of consumers on the use of timber for housing and building constructions. In others the study will breakdown the property of timber in relation to construction to allow a development of greater understanding of timber, its properties and its use in construction. The feasibility study will also determine the demand for housing in the country and specifically engage the relevant stakeholders to consider mass timber construction as a possible solution to housing initiatives. The feasibility study should also identify construction development initiatives for various purposes in the public and private sector for potential focus to influence the consideration of timber in the construction: This will create demand that trigger mass production of timber for construction.

### **2. BACKGROUND**

Less than one percent of homes and buildings in South Africa are built from timber. Timber is useful and historically reliably available product in the country that its use has not been positively exploited to the benefit of the population at large. Part of the barriers which prevent the use of wood are myths that society have, some of which includes: fear of wood resistance to fire, propensity to rotting, lack of structural



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integrity, timber house is a Wendy House, more expensive to build and maintain, not thermally efficient, timber construction contributes to deforestation; and brick & mortar is better than wood. Yet wood as a historically reliable building material carries excellent advantages that can resolve South African problems to bridge the challenges of inequality, poverty and unemployment.

The following are some of the truths about the benefits of using timber as a construction material:

- The production and processing of wood uses much less energy than most other building materials, giving wood products a significantly lower carbon footprint.
- Different research studies have discovered that the increased use of wood has measurable physiological and psychological health benefits and wood is a durable material which can be used for both homes and commercial buildings.
- Wood is a natural insulator due to the air pockets within its cellular structure. This helps to reduce the cost of heating and cooling a building.
- Trees and wood products have a unique ability to store carbon.

Additionally, because of the limited use of wood in construction, the current curriculum does not include this in training skilled professionals and artisans who are instrumental in the design and build industry. Therefore a gap need to be bridged in terms of knowledge and understanding of timber use in construction, lack of designs skills and supporting technical data for wooden materials. This gap can be closed through launching online digital skills training course which will upskill them and assist them in expediting the adoption of new digital technologies. Some universities have already started with this work. Moreover, South Africa have limited research capacity in wood-based building materials and methods. Given the economic importance of construction sector, research and development (R&D) within the timber and construction industries, is very small and should be increased.

Against this background, the Department of Trade, Industry and Competition (**the dtic**) considered it appropriate to promote wood as a useful and reliable building material, as an opportunity to contribute positively to the industrialisation and job creation in the country. There is a formidable sawmilling and forestry industry with great potential for job creation in the country that will able to absorb the growing demand of timber. The Sawmilling sector currently contributes about 30 000 employment to the nation and a recent study has shown that promoting timber in construction has potential to unlock R1bn industry and create, massive additional jobs within the sector.



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**The dtic** has therefore identified a key stakeholder, the Department of Human Settlements as the custodian of provision of adequate housing and human settlements in the country to strengthen the project of promotion of wood as construction material. To date the strategic plan for Promotion of Timber has been developed and identified three major pillars that will successfully seek to redress the situation. To give effect to the provisions of the strategic recommendations an implementation guidelines was also developed. Hence forums were established to work together to promote timber in construction.

Terms of Reference (TORs) for the appointment of a service provider, to develop the feasibility study and project plan that addresses the promotion of the use of wood as a culture in SA through analysis of the industry readiness and the development of a roadmap that address the attitude of SA consumers (construction market) toward timber as alternative to traditional building materials.

### **3. PROBLEM STATEMENT**

Wood is rapidly gaining more popularity in developed economies' construction market, however, South Africa as a nation seem to be lagging behind in terms of buildings homes and building using wood. In South Africa less than 1% of homes and buildings are built from wood, yet wood is useful and historically reliable and available product in the country. The use of wood has not been positively exploited to the benefit of the population at large. Public perception towards wood use remains negative, mostly associated with poverty and also stemmed by the fear of fire, propensity to rot, fear of deforestation and negative impacts on environments caused by exhaustive exploitation of wood for mass commodity production in the past.

Wood as construction material is misunderstood in South Africa yet it carries bigger benefits. Its potential to contribute to the livelihood of millions of people and a green economy continue to be underexploited. Unless the public is well-informed about the benefits of wood and what wood can offer as a building material, this wood culture promotion for the construction industry is impossible. The general public is not well-informed regarding the benefits that timber offers as a building material, hence there is a need to assess the issue of promoting timber in the built environment in South Africa. Furthermore, wood is underrated as an aesthetic material in comparison in other developed nations due to lack of exposure of



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architects and design professionals. It is alleged that South African lack skilled professionals and artisans who design and build using timber as building material.

There is an opportunity for the industry to work with the Department of Higher Education, to inform the training curriculum, in order for South African market to seriously consider wood as a credible alternative building material in construction. There is a need to bridge the gap in terms of knowledge and understanding of timber use in construction, lack of designs skills and supporting technical data for wooden materials. South Africa have limited research capacity in wood-based building materials and methods. Given the economic importance of construction sector, research and development (R&D) within the timber and construction industries, are very small and should be increased.

National sphere of government should create a conducive policy environment for developing technological innovation by providing the much needed support to companies and academia. The sector has come together and largely defined the work that requires to be done. The masterplan for the commercial forestry sector in South Africa: 2020 – 2025 (DEFF, 2020) has the objective of increasing investment, jobs and competitiveness, underpinned by greater inclusivity in the forestry sector. The key focus area 3 of the master plan identifies an urgent need to ensure that the use of timber and engineered timber products in the South African Built Environment especially in the government and state-owned entities is improved.

The master plan highlights that promotional activities will need to be undertaken. There are currently three working groups that focus on the three strategic pillars for promotion of timber in construction, namely, demand creation, capacity building and security of supply and industrialisation. The demand creation pillar aims to create awareness of the advantages of construction in timber as well as generate demand for such. The capacity-building pillar focuses on developing skills and upskilling current professionals in the built environment. In order to implement this the department requires the expertise to finalise the implementation plan and to spearhead the work for the next 18 months.

#### **4. OBJECTIVES**

The objectives of the feasibility study are to address the promotion of timber in construction in South Africa. The feasibility study aims to achieve the following objectives:

##### **4.1. Pillar 1: Demand creation pillar**



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- a) To improve the uptake of the use of timber in the built environment through stakeholder engagement and influence the decision to put mass timber construction as a preferred material in various construction initiatives.
  - b) To develop and propose a communication model that can be adopted to educate the relevant stakeholders involved in the value chain.
  - c) To demonstrate that timber as a construction material can assist in the reduction of housing backlog in South Africa by providing sustainable and affordable material;
  - d) To review, develop and align implement national building regulatory policies to promote timber in construction
  - e) To identify regulations that need to be changed or developed to ensure success of promoting timber in construction.
  - f) To identify, review, align, and implement Carbon Tax policies in favour of Timber Frame structures and contribute to the carbon emission reduction thereby reducing climate change.
  - g) To design and develop a costing for a modular low cost timber frame housing and map out the value chain requirements at each value node.
  - h) To establish and map out the needs to the creation of demand for use of Timber as the construction material for majority of buildings and houses.
  - i) To provide information on the processes needed to increase the incorporation of wood into the built environment in a manner that optimizes its performance.

#### **4.2. Pillar 2: Capacity building pillar**

- a) To develop Mass Timber Curriculum Design & Teaching Materials in Attestation of College Studies (AEC) programs.
- b) To build research capacity in wood-based building materials and methods relevant to the South African building sector.
- c) To evaluate the timber industry capacity to supply wood in response to the increase of demand in the required quantities and qualities as per construction re-equipment.
- d) To evaluate the impact of such move toward the use of timber in building construction, on the environment and on other construction materials industries.



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## 5. METHODOLOGY

- 5.1. The Service Provider is expected to clearly stipulate the approach and provide a step-by-step explanation of the proposed process to reach the end result of this requirement.
- 5.2. It will be imperative for the Service Provider to outline in the methodology why a particular method was chosen, what pros, cons and risk factors are.
- 5.3. The use of appropriate research techniques or approaches based on the need to involve and achieve the highest participation rate possible of individual companies/ industry associations into the process.
- 5.4. The service provider will also identify stakeholders to engage in the process.
- 5.5. The service provider is required to identify and use appropriate quantitative and qualitative methods, as appropriate.

## 6. SCOPE OF WORK

The following specific outputs are expected on the completion of the project:

- Inception report
- Capacity Building Deliverable Implementation Plan and Budgets
- Demand Creation Deliverable Implementation Plan and Budgets
- Secure implementation Budgets through stakeholders
- Project Steering Committee Meetings and Records
- Stakeholder consultative meeting records;
- Stakeholder feedback workshop report at least four workshops
- Demand Creation Feasibility Report
- Capacity Building Feasibility Report
- Implementation Reports
- Monitoring & evaluation Reports

### 6.1. Phase 1: Project Inception

- Upon appointment the service provider is required to commence by drafting an inception report that will detail the overall approach, methodology and expected timeframe in each phase of the project, including activities that will be completed.

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- The project inception report will serve as a discussion document and will be the basis upon which the detailed approach to the project is fine-tuned and agreed.
  - The inception report is an interim deliverable that is expected to be completed in two weeks from the date of appointment of the service provider.

## **6.2. Phase 2: Capacity Building Deliverable**

- Develop at least two modules of the Training programmes or training material to facilitate wood use by professionals.
- Facilitate the establishment of the timber frame design competition.
- Establish the Engineered wood products research forum as elaborated in the Timber Processing Research Strategy.
- Develop necessary knowledge, through research, to use SA Pine and Eucalyptus wood resources for engineered and mass timber products such as CLT, GLT, composite beams, and new products.
- Develop a skills training plan. Implement the plan.

## **6.3. Phase 3: Demand Creation Deliverable**

- Develop and recommend Innovative awareness campaigns or programme to promote the uptake of the timber use in built environment in SA by relevant stakeholders.
- Develop and recommend an awareness campaign.
- Develop and propose a communication model that can be adopted to educate the relevant stakeholders involved in the value chain
- Engage with relevant stakeholders to ensure that there is demand for the timber frame housing and clearly demonstrate the financial and non-financial advantages.
- Clearly demonstrate that timber as a construction material can assist in the reduction of housing backlog in South Africa by providing sustainable and affordable material
- Identify regulations that need to be changed or developed to ensure success of promoting timber in construction.
- Analysis of government policies that need to be adopted to influence government to adopt Wood Encouragement Policies (WEP).



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- Analysis of municipal bye-laws that need to be adopted to influence municipalities to incorporate WEP to building regulations Education and Awareness: assess any wood construction awareness programmes
  - Provide guidance in reviewing applications of existing building code provisions and in evaluating new building systems.
  - Link with Carbon Emissions tax benefits to incentivise the building or buying of timber structures.
  - Analyse implications of changing fibre supply for mass timber products.
  - Engage the commercial banks to promote the Timber built Structures for both corporates and individuals and possibly forge added advantages or concessions for construction in timber.
  - Establish and map out the needs of the mass timber construction and recommend a model that can clearly articulate the timber requirements for a specific design and cost for such.

#### **6.4. Phase 4: Secure Implementation Budgets for Demand Creation and Capacity Building Pillars**

In order to ensure that all items on the demand creation and capacity building have been implemented the service provider should secure funding from various stakeholders and ensure that the programmes can be implemented over a period of time. This involves preparing funding proposals as per fund requirements submitting the proposals and being available to motivate for the application should need arises. This will also entail detailing the activities that can be done in this phase or beyond this phase depending on the funding window.

#### **6.5. Phase 5: Project Close Out**

##### **Specific Deliverables**

The following are expected deliverables in order to meet the objectives of this initiative:

- a) Project Inception Report
- b) Capacity Building Feasibility Report
- c) Demand Creation Feasibility Report
- d) Capacity Building Deliverable Implementation Plan and Budgets
- e) Demand Creation Deliverable Implementation Plan and Budgets
- f) Identified Project Profiles



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The reports have to be presented in appropriate electronic as well as printed format, and must be easily accessible and user-friendly. Minutes and other documents emanating from all meetings are general deliverables throughout the duration of the project.

## **7. SUBMISSION OF THE FINAL REPORT**

The service provider will be expected to submit all reports mentioned below.

- Final reports with notes of the methodology used;
- Executive summary in Word;
- PowerPoint presentation of the report;
- E-copies: 1 electronic version of the Executive Summary and 1 electronic version of the final report.

The service provider will be expected to provide over and above:

- A separate Annexure for the list of attendees to the workshop, respondents, consulted and interviewed that will be used as proof of industry consultations and engagements.

## **8. QUALIFICATIONS, EXPERIENCE AND EXPERTISE**

For the service provider to be considered for the project the service provider must demonstrate capacity and capabilities in the following: (including but not limited to education, skills, research experience, and industry knowledge):

- The leading team members;
- The overall project investigator or leader;
- Education qualifications of the projects leaders and key team members;
- Clear understanding of **the dtic** objectives and its role and focus on human capital development;
- Good knowledge and understanding of the Industrial Policy;
- Demonstrate ability in stakeholder mobilisation and management, including mediation by referring to projects reports written and presentations conducted by the company (team).

For the purpose of this work, a service provider with the following competencies is required: For each expert proposed, a curriculum vitae, of no more than four pages, should be submitted. This section specifies the expertise (qualifications, experience) required for each person assigned to the study.



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- Experience and knowledge of enterprise development specialist
  - Strategy development and project experience; policy analysis and evaluation;
  - A thorough understanding of regional, national and global economies and relevance in natural resource beneficiation and industrial policy development;
  - A thorough understanding of forestry industry backward and forward linkages;
  - Experience in programme strategy or policy impact assessments;
  - Research methodologies and analysis;
  - Experience in policy development and Strategic Planning;
  - Experience in project implementation, monitoring and reporting.
  - Experience in the built environment
  - Writing and Communication Skills
    - Good report writing and editing skills
    - A good command of the English language
  - All experts who have a crucial role in implementing the contract are referred to as key experts

## **9. TEAM COMPOSITION**

The appointment of the Service Provider will be based on the strength of key experts' curriculum vitae that will contribute to the successful execution of the project. The profiles of the key experts for this contract are as follows:

### **9.1 Team Leader**

The incumbent must be a Business Development Specialist with the following key qualification and experience:

- Post graduate qualification in Economics/Development Economics and related disciplines;
- Strong leadership qualities and the ability to communicate effectively;
- Minimum 7 years practical and technical experience in macroeconomic policy development;
- Knowledge of Forestry Beneficiation Industry, Local Economic Development, Industrial Sectors and clusters and Enterprise development issues;
- High attention to detail and ability to prioritise workload, multi-task and work on tight deadlines;
- Strong understanding of provincial macroeconomic policies;



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- Knowledge of public sector procurement policies;

### **9.2 Industrial Development/ Wood Science Specialist**

- Relevant Development Economics qualification;
- 3-5 years' experience in wood science, local economic development and macroeconomic policy analysis;
- Policy development, implementation, monitoring and reporting;
- Good analytical, writing and communication skills;
- Knowledge of South Africa macroeconomic policies;
- High attention to detail and ability to work to tight deadlines;
- Good analytical, writing and communication skills;
- Knowledge of forestry based industries and macroeconomic development policies;
- Knowledge of public sector procurement policies;
- Strong administration skills.

### **9.3 Sector Specialists/Architects or Built Environment Specialist**

- Relevant tertiary qualification
- 3-5 years' experience in industrial sector analysis specifically timber design, wood science specialist, design and built environment related work.
- Good analytical, writing and communication skills
- Knowledge of forestry based resources sector/clusters policies
- Knowledge of public sector procurement policies
- Strong administration skills

The service provider based on the methodology and approach suggested may recommend additional key experts. In this regard, the service provider should justify and motivate the inclusion of any additional experts and include a detailed CV of the additional expert.

### **9.4 The proposed key staff for this project should comply with the following requirements:**

For the purpose of this work, a service provider with the following competencies is required: For each expert proposed, a curriculum vitae, of no more than four pages, should be submitted.



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This section specifies the expertise (qualifications, experience) required for each person assigned to the study.

- Experience and knowledge of enterprise development
- Strategy development and project experience; policy analysis and evaluation;
- A thorough understanding of regional, national and global economies and relevance in natural resource beneficiation and industrial policy development;
- A thorough understanding of forestry industry backward and forward linkages;
- Experience in programme strategy or policy impact assessments;
- Research methodologies and analysis;
- Experience in policy development and Strategic Planning;
- Experience in project implementation, monitoring and reporting.
- Experience in the built environment
- Writing and Communication Skills
  - Good report writing and editing skills
  - A good command of the English language
- All experts who have a crucial role in implementing the contract are referred to as key experts

The service provider based on the methodology and approach suggested may recommend additional key experts. In this regard the service provider should justify and motivate the inclusion of any additional experts and provide a detailed CV of the additional experts. The proposal should provide a detailed description of the CV to be submitted in the attached format - **Annexure 1: Format for Submission of CVs.**

The bidding company must be in existence for at least 7 with 3-5 years' relevant experience in delivering the required service:

- a) Proof of the number of years' in existence should be provided by submission of a copy of the CIPC certificate or any other relevant registration document;
- b) Proof of relevant experience should be provided by means of cases studies detailing the type of project, the period of the project, the magnitude of the project and the result of the project. Reference letters from former clients will be an added advantage.



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**NB: TIPS** reserves the right to vet all documentation and information provided by bidders to prove their relevant experience and ability to perform the service.

## **10. REPORTING**

TIPS, the dtic and the Department of Human Settlements will jointly form a Steering Committee to oversee the project with specified Project Manager and Project team as the contact for the service provider to report on progress of the project within the stipulated timeframes. The reports will be required to be documented in a specific format as provided by the Project Manager.

The service provider must provide the **Project Manager and Project team** with a project plan indicating time frames, processes of implementation and provide reports, evaluation and statistical data.

The **Steering Committee** will evaluate each phase before any payment is approved.

The final report should be presented to the Steering Committee. All meetings are to be arranged by the Service Provider who is expected to keep the record of such meetings and to deliver the record of a meeting within 10 working days of it having taken place.

On conclusion of the project, a meeting will be held between the service provider and the key stakeholders who will be identified by the Steering Committee.

## **11. PROPOSAL REQUIREMENTS**

The proposal will comprise the following elements:

- Understanding of the Programme Context and the Assignment
- Organisation and methodology
- Proposed Team Composition and Key Experts Profile
- Financial proposal with a budget breakdown and a cash flow forecast
- Attachment of the BEE certificate



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The **budget breakdown** will include:

- The estimated number of days per expert and other personnel and fee rate per expert/personnel and output.
- The incidental and disbursement costs (including travel, stationery etc. as well as outsourced or insourced costs not covered by key expert fee days) per output.
- Any additional costs.

**Please Note:** Proposals with a budget over R1.5mil (incl. VAT) will not be considered.

## **12. BID EVALUATION CRITERIA**

The Service Providers will be evaluated on the following five criteria as elaborated in **Annexure 2 – The Evaluation Criteria**:

- Team qualifications
- Technical proposal
- B-BBEE status
- Price
- Presentation of the bid to the Steering Committee

## **13. CONTRACTUAL PERIOD**

The project should be completed within **eighteen (18) months** from the date of last signature on the Service Level Agreement that will be signed by both parties.

## **14. CLOSING DATE**

**Closing Date: 10 October 2022 at 16h00.**

Proposals should be sent to Trade and Industrial Policy Strategies (TIPS) for the attention of **Ms. Daphney Mabuza (daphney@tips.org.za)**



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## ANNEXURES

### ANNEXURE 1 - FORMAT FOR SUBMISSION OF CVs

Bidders must submit comprehensive CV's of all proposed key staff in the following format.

- a) **1<sup>st</sup> Column:** Name and ID number of key staff member;
- b) **2<sup>nd</sup> column:** Relevant qualification(s) and courses successfully completed;
- c) **3<sup>rd</sup> column:** number of years' relevant experience indicated in numerical format;
- d) **4<sup>th</sup> column:** case studies to prove relevant experience and knowledge in field of expertise (as indicated in below table).

Name and ID number of key staff member	Relevant qualification(s) and courses successfully completed	Number of years' relevant experience in numerical format (Only indicate the number of years performing this specific work / services).	Only relevant case studies or relevant other proof and relevant references to prove relevant experience and knowledge in field of expertise.



## ANNEXURE 2 – THE EVALUATION CRITERIA

### TECHNICAL EVALUATION CRITERIA

The bidder must indicate its compliance/non-compliance to the requirements and should substantiate its response in the space provided below. If more space is required to justify compliance, please ensure that the substantiation is clearly cross-referenced to the relevant requirement.

#### Key scores

Score	Description
0 – Non-compliant	No evidence provided to substantiate compliance
1 – Poor	Unacceptable, does not meet set requirements
2 – Average	Reasonable but not sufficient to fully satisfy the set requirements
3 – Good	Fully complies to the set minimum requirements
4 – Very Good	Above average compliance to the set requirements
5 – Excellent	Meets and exceeds the set requirements

### PHASE 1: FUNCTIONAL EVALUATION

A. BIDDER`S EXPERIENCE	Weight	Rate (0-5)	Total Score
<p>The bidder must demonstrate relevant experience working in South African saw milling or related industry within any of the following specific technical areas:</p> <ul style="list-style-type: none"> <li>• At a senior commercial level</li> <li>• The Built Environment, Timber Processing, Timber Construction</li> </ul>			

<ul style="list-style-type: none"> <li>• Sawmilling or related industry sourcing and investment</li> </ul> <p>The bidder must provide three (03) relevant contactable references of similar work done in the past 5 (five) years. Please refer to <b>Table (a) of Annexure 3</b> of this document for the format in which the required information must be provided.</p> <p><b>Note:</b> The following scoring matrix will be used to evaluate these criteria.</p> <ul style="list-style-type: none"> <li>• 1 relevant references in Wood Science, Timber Specialist, Saw milling or related Sector = 2 points</li> <li>• 3 relevant references in the Wood Science, Timber Specialist, Saw milling or related sector including one technical area = 3 points</li> <li>• 4 to 5 relevant references in the Saw milling or related sector including 2 technical area = 4 points</li> <li>• 6 and more relevant references in the Saw milling or related sector including four technical areas = 5 points</li> </ul>	<b>15</b>		
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<b>B. QUALIFICATIONS AND SKILLS OF KEY PERSONNEL</b>	<b>Weight</b>	<b>Rate (0-5)</b>	<b>Total Score</b>
<p>The bidder's key personnel of the proposed team must have relevant qualifications, skills and experience.</p> <p><b>Technical Competency:</b></p> <ul style="list-style-type: none"> <li>• Knowledge of government incentives and policies relating to the Wood Science, Timber Construction, sawmilling or related industry.</li> </ul>	<b>10</b>		

<ul style="list-style-type: none"> <li>• Non-government mechanisms of investment support (private sector, agency, donors);</li> <li>• Strategic knowledge of Wood Science, Timber Construction, Timber Processing and saw milling or related industry technology agreements and structures;</li> <li>• Demonstrated experience in firm-level finance and strategy, particularly as it relates to investment decision making, technology investments and agreements;</li> <li>• Demonstrated experience in negotiating/supporting the negotiation of technology agreements within the saw milling or related industry;</li> <li>• technology investment support mechanisms (public and private);</li> <li>• financial analysis, strategic knowledge of saw milling or related industry testing requirements regulations governing testing both in South Africa and key markets;</li> </ul> <p><b>Project relevant skills:</b></p> <ul style="list-style-type: none"> <li>• Project management and reporting,</li> <li>• industry and firm-level strategy, and</li> <li>• Data analysis.</li> </ul> <p>In addition to the above skills and qualifications, the project team is required to collectively have a minimum of 15 years' experience in the architectural design, built environment; saw milling or related</p>	<p><b>15</b></p>		
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<p>industry. The project leader is expected to have a minimum of 12 years' experience in the saw milling or related industry and the minimum of a 4-year tertiary degree qualification. Each team member is expected to have a minimum of a 3 year tertiary qualification (degree or diploma) and minimum of 3 years saw milling, built environment or related industry experience.</p> <p>The bidders must submit, as part of its proposal, the following:</p> <ul style="list-style-type: none"> <li>• The structure and composition of the proposed team, clearly outlining the main disciplines/ specialties of this project and the key personnel responsible for each specialty.</li> <li>• CVs of the key personnel; and the CVs must clearly highlight qualifications, areas of experience/ competence relevant to the tasks and objectives of this project as outlined above.</li> </ul>			
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<b>C. BIDDER'S PROPOSED METHODOLOGY</b>	<b>Weight</b>	<b>Rate (0-5)</b>	<b>Total Score</b>
<p>The bidder must provide a detailed proposal of the methodology/ approach to be used to carry out the scope of work outlined above and clearly demonstrating how the objectives of the study will be achieved. The proposal must outline, amongst other things, the following:</p> <ul style="list-style-type: none"> <li>• Qualitative and quantitative techniques to be used</li> <li>• Desktop and first hand research approach</li> <li>• Stakeholder facilitation and engagement model</li> </ul>	<b>20</b>		

<b>D. PROJECT PLAN</b>	<b>Weight</b>	<b>Rate (0-5)</b>	<b>Total Score</b>
The bidder must provide a detailed project plan to undertake the study; the plan must indicate key activities, timelines, milestones/ deliverables.	<b>5</b>		
<b>Maximum Points</b>	<b>100</b>		

#### PRICE AND PREFERENCE POINTS

	<b><u>90/10 PRINCIPLE</u></b>	<b>POINTS</b>
<b>1</b>	<u>Price</u>	<b>90</b>
<b>2</b>	<u>B-BBEE status level of contribution</u>	<b>10</b>