1. PURPOSE
The purposes of this research study are to:

1.1 Develop the baseline of silicosis prevalence in the non-mining sector.
1.2 Develop a strategy and programs on how to eliminate silicosis.

2. OBJECTIVES
The objectives of this research are the following:

2.1 To determine the prevalence (number of workers diagnosed with silicosis) of silicosis across industries from 2010 to 2016;
2.2 To establish trends in number of deaths from silica-related diseases per industry from 2010 to 2016;
2.3 To develop a strategy and Occupational Health programs that should be put in place in order to reduce exposure to silicosis and to eliminate silicosis in South Africa by 2030.

3. BACKGROUND

3.1 Silicosis is a form of pneumoconiosis caused by inhalation of crystalline silica dust, and is marked by inflammation and scarring in forms of nodular lesions in the upper lobes of the lungs. Silicosis is characterised by shortness of breath, fever, and cyanosis. This eventually scars the lung tissue. Silica dust can never be removed from the lungs so a person with silicosis has an increased risk of contracting TB.

3.2 Some of the highest TB prevalence has been recorded on South African gold miners. At its height the mining industry in 2007-08, South Africa has recorded 4000 cases for every 100,000 mine workers. These reflect a combination of silica, HIV and other living conditions. South African gold miners still have a high rate of 1000 per 100,000 people affected.
3.3 In 2004, the Minister of Labour launched a National Programme for the elimination of Silicosis. The programme outlines the commitment of Government to eliminate silicosis in line with the International Labour Organization’s (ILO) programme for the Global elimination of Silicosis. According to the ILO, Government needed to significantly reduce the prevalence of Silicosis by 2015 and totally eliminate silicosis by 2030.

3.4 Since the launch of the programme, a national study on the prevalence of silicosis in the country was never conducted by the Department of Labour (DoL), however a study was conducted in Gauteng Province in 2010 by the CSIR.

3.5 Without the benchmark study, it would be difficult for the Department to measure whether the awareness campaigns and other interventions made in line with this programme had an impact in reducing the level of exposure or the prevalence of silicosis in the country.

3.6 The research aims among other considerations to develop the baseline of silicosis in the non-mining sector; and strategies on how to eliminate silicosis.

4. **DELIVERABLES**

On the basis of the abovementioned purposes, the research study should provide the following:

4.1 A final report covering all, but not limited to Purposes in Section 1 and Objectives in Section 2 above;

4.2 An executive summary of the report;

4.3 Clear and implementable recommendations;

4.4 Strategy to eliminate silicosis;

4.5 A fact sheet(s) and policy brief on the results of the investigation;

4.6 Power point presentations of the study; and at least three presentations delivered to DoL and its stakeholders.
5. **TIME FRAMES**

5.1 The research should be undertaken for a maximum period of 18 months after the appointment of the service provider.

5.2 The general conditions of contract and the service level agreement will STRICTLY apply in the case of failure to comply with conditions and delayed execution.

6. **REQUIRED EXPERTISE, SKILLS AND QUALIFICATIONS OF TEAM MEMBERS**

6.1 **Mandatory requirements:**

- Strong understanding of the analysis of Occupational Health and Hygiene including Medical results and Occupational Hygiene reports.
- Relevant educational qualifications of the Prospective Service Provider team will be expected at a minimum of Master’s degree on Occupational Health and Safety. Curriculum vitae as well as capabilities of staff that will be working on the project must be submitted.
- The Prospective Service Providers must provide information on technical, managerial capabilities and ensure that there is/are Occupational Hygienist and Health Practitioners with valid proof of professional registration on the research team.
- Proof of professional registration with the South African Institute for Occupational Hygiene (Occupational Hygienist).

6.2 **Other requirements:**

- Bidders should ensure that researchers or trainee researchers from previously disadvantaged groups are incorporated in the research team.
- Bidders should have provided Occupational Health and Safety services for a minimum period of five years.
- Bidders should submit progress reports to the Department, documenting activities and skills transfer for competence levels.
<table>
<thead>
<tr>
<th>Capacity building required for the DoL-IES staff</th>
<th>Proposed mechanism</th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ Risk assessing, sampling and monitoring strategies.</td>
<td>Participate during sampling and monitoring of sectors.</td>
</tr>
<tr>
<td>▪ Qualitative and quantitative analysis of data.</td>
<td>Participate during collection of data.</td>
</tr>
<tr>
<td>▪ Analyse and interpretation of results and recommending controls.</td>
<td>Observe and participate in process with researchers during analysis of result.</td>
</tr>
</tbody>
</table>

- The Prospective Service Providers will be expected to work closely with the DoL research team, and report monthly on a formal basis to the project team in the Department of Labour.

7. PROJECT MANAGEMENT AND INSTITUTIONAL ARRANGEMENTS

7.1 The overall management and supervision of the research will be the responsibility of a Research Reference Team and the Research, Policy & Planning Directorate.

7.2 The Prospective Service Provider will be expected to sign a Service Level Agreement (SLA).

7.3 The Prospective Service Provider will be expected to provide progress reports on a monthly basis to the Research, Policy & Planning Directorate of the Department.

7.4 Proposal of the study should include the research design outlining the approach and methodology to be used for the study which will be agreed upon with the Department.

8. CRITERIA THAT WILL BE CONSIDERED IN EVALUATING THE BID 80/20 PRINCIPLE

8.1 Only proposals that achieve the minimum qualifying 70 percentage score for Functionality will be evaluated further;
8.2 Proposals that are successful on the basis of functionality as a criterion must be evaluated further in two stages – first the price and second, BBBEE level of contribution.

**Functionality**

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>POINTS</th>
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<tbody>
<tr>
<td>▪ Demonstrate specialist knowledge in Occupational Hygiene by providing proof of occupational hygiene surveys conducted with respect to air monitoring (particularly dust).</td>
<td>30</td>
</tr>
<tr>
<td>▪ Demonstrate specialist knowledge in interpretation of air monitoring results by providing three different sample reports.</td>
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<tr>
<td>▪ Experience should be of a minimum of three projects conducted in the same field of occupational Hygiene. (Provide proof).</td>
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<tr>
<td>▪ Demonstrate extensive research experience in the area of Occupational Health and Safety policies.</td>
<td>25</td>
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<tr>
<td>▪ Experience should be of a minimum of three research projects in this field (provide proof).</td>
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<tr>
<td>▪ Provide detailed interpretation of the requirements of the Tender and a clear understanding of the scope of the project.</td>
<td>10</td>
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<tr>
<td>▪ Outline the methodologies for the proposed delivery of the project.</td>
<td>30</td>
</tr>
<tr>
<td>▪ Detailed project plan and cost breakdown analysis outlining milestones for delivery of the project.</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
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</table>

**Price and B-BBEE: 80/20 preference points**

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<tbody>
<tr>
<td>Price</td>
<td>80</td>
</tr>
<tr>
<td>B-BBEE</td>
<td>20</td>
</tr>
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</table>
**Calculation of points for B-BBEE status level of contributor**

Points must be awarded to a Prospective Service Providers for attaining the B-BBEE status level of contribution in accordance with the table below:

<table>
<thead>
<tr>
<th>B-BBEE Status Level of Contributor</th>
<th>Number of points (80/20 system)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20</td>
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<tr>
<td>2</td>
<td>18</td>
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<tr>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>Non-compliant contributor</td>
<td>0</td>
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</tbody>
</table>

Prospective Service Providers are required to submit original and valid B-BBEE Status Level Verification Certificates or certified copies thereof together with their proposal, to substantiate their BBBEE rating claims.

A trust, consortium or joint venture must submit a consolidated B-BBEE Status Level Verification Certificate for every separate proposal.

Financial proposals must provide a detailed breakdown of all costs per activity and indicate the hourly rate of each member of the team and their time allocation.
OTHER CONDITIONS

- Service Provider must be registered with the Central Supplier Database.
- Any proposals received in response to this proposal remain the property of the Department of Labour.
- The Department of Labour reserves the right to request Prospective Service Providers to form joint-ventures, or to award any part of the bid, or to award to more than one bidder or not award it at all.
- Proposals must be accompanied by:
  - A company profile
  - A valid original tax clearance certificate/Tax Compliance Matters
  - A certified copy of a valid BEEE certificate
  - UIF and COIDA registration
- Prospective Service Providers are requested to submit one original plus five (5) duplicate copies of the full proposal.
- The successful Prospective Service Providers will be required to sign a Service Level Agreement (SLA).
- Compulsory briefing session will be held on 06 September 2017, at 10:00 at the Department of Labour Head Office.
- All enquiries must be directed via e-mail.
- Proposals should be held valid for a period of 90 days.
- Bidders are expected to submit monthly reports with consultant rate charged.

Proposals should be submitted to:

Department of Labour, Laboria House
215 Francis Baard Street, Pretoria

NB: The proposals should be addressed for the attention of:

Ms. Tendani Ramulongo

For further information contact:

1. Ms. Tendani Ramulongo
   Tel: 012-309 4231
   Email: Tendani.Ramulongo@labour.gov.za
2. Mr. Thami Bikitsha  
   Tel: 012-309 4716  
   Email: Thami.Bikitsha@labour.gov.za