1. **Invitation**

The DSI-CSIR Photonics Prototyping Facility (PPF) invites expressions of interest (EOIs) from small, medium and micro enterprises, established private companies, and higher education institutions, in response to this call focusing on technologies/solutions that will lead to a competitive photonics industry in South Africa.

1. **The DSI-CSIR PPF**

This programme was established by the Department of Science and Innovation (DSI), in collaboration with the CSIR’s PPF, to bridge the gap between laboratory bench developments and industrialisation-ready photonics-based products. The ultimate goal of the PPF is to stimulate the growth and competitiveness of the South African photonics industry. The principal function of the PPF is to facilitate the development of prototypes, which result in products that satisfy a market need associated with photonics-based technologies and devices. The PPF will support prototype development and characterisation by offering:

* Premier facilities (three class 1 000 clean rooms fully equipped to support photonics-based product development);
* Access to skilled resources (optical engineers, industrial engineers, laser engineers and scientists);
* Characterisation equipment (diagnostic equipment, optical components and laser sources); and
* Technical support (mechanical, electronic and industrial design, as well as mechanical manufacturing facilities).

There are seven key economic sectors that have been identified within photonics in South Africa that would benefit from prototype development. These are defence, security and sensors, industrial manufacturing, energy, lighting and displays, information and communications and life sciences.

The PPF would like to invite industry, entrepreneurs and public research institutions to participate in innovative prototype development projects of photonics-based technologies. Proposals for partnership between industry and academia, as well as from high technology start-ups are encouraged.

1. **Submission requirements**

To apply, please complete the attached EOI form and e-mail the PDF versions of completed forms, CVs, BBEEE certificate/affidavit and proof of registration with the Companies and Intellectual Property Commission (CIPC) to ppf@csir.co.za. The PFF staff will review all submitted EOIs and engage with shortlisted candidates to develop a full proposal for consideration by the PPF Investment Committee.

Please use the following naming convention for attached documents:

|  |  |
| --- | --- |
| **Application:** | **CVs, certificates, etc.**: |
| Name of Enterprise\_PPF\_EOI- Aug 2019 | Name of Enterprise\_CV Jane Doe\_Aug 2019, Name of Enterprise\_CIPC proof of registration\_Aug 2019 |

The ability to co-fund this application and commitment to transformation will be an advantage.

**Exclusionary criteria:**

* Applicants whose enterprise are not registered with the CIPC or who do not provide proof of registration;
* Applications that are not accompanied by CVs;
* Applications sent to any e-mail address other than ppf@csir.co.za; and
* Application submitted later that the closing date of **30 September 2019.**
1. **Reporting requirements**

Successful projects funded will be expected to report on any jobs created, as well as sales of products developed based on the prototype developed. Evidence of both jobs and sales will be required, and the format will be established during contracting.

**For more information, please contact** Mr Hardus Greyling at (hgreyling@csir.co.za) or on (+27 12 841 2713)

**Terms and conditions apply.**

**Expression of Interest Proposal**

***Successful bidders will be invited to develop a more detailed proposal***

**Closing date for applications: Monday, 30 September 2019**

**Please e-mail PDF versions of completed submission forms to** ppf@csir.co.za

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| --- | --- |
| **Enterprise name:** |  |
| **CIPC registration number:** |  |
| **Contact person(s)** | **Name and surname:****Position in enterprise:** |
| **Contact details** | **E-mail:****Landline:****Cell phone:****Physical address of enterprise:****Postal address of enterprise:** |
| **Ownership arrangement:** |  | Demographic | Gender |
| Black | White | M | F |
| **Directors/members:** |  |
| **Years in business:** |  |
| **Annual revenue (if any):** |  |
| **Number of current employees:** | Permanent:  |  | Temporary: |  |
| **Applicable manufacturing sector:** |  |
| **BBEEE status level:** |  | Attach BBEEE certificate/or affidavit |
| **Date of this application:** |  |
| **1. Description of your core business and whether or not you are currently manufacturing and/or selling photonics-based products, as well as your current turnover.** |
| **Core business:****Current status of manufacture and the scale at which you are manufacturing:****Current turnover:** |
| **2. Description of the market need addressed by your product(s) and the potential market size (try to be as specific as possible).** |
| **Market need:****Market size:****Route to market (identified or already in place):** |
| **3. Description of the product(s) that you wish to manufacture and what differentiates them from competitor products.** |
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| **4. Description of the technology that you plan to use to manufacture the product(s).** |
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| **5. What is the expected development time to market?** |
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| **6. Please indicate the potential social and economic impact of the proposed business, specify cost benefit analysis** **(budgets, resource requirements, capital budgeting analysis, etc.).** |
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| **7. Please indicate the job creation potential of your business.** |
| **Type of job** | **Number** | **By when** |
| ***Existing permanent jobs*** (permanent jobs currently in the enterprise):  |  | Apr 2019 |
| ***Direct permanent jobs*** (permanent jobs to be created in the enterprise): |  |  |
| ***Direct temporary jobs*** (temporary jobs to be created in the enterprise): |  |  |
| ***Indirect permanent jobs*** (permanent jobs to be created in the value chain, i.e. supply distribution, maintenance, packaging, etc.): |  |  |
| ***Indirect temporary jobs*** (temporary jobs to be created in the value chain, i.e. supply distribution, maintenance, packaging, etc.): |  |  |
| ***Other jobs to be created*** (specify): |  |  |
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| **8. Please list all sources and the value of funding/support received to date.**  |
| **Source** (E.g. TIA, IDC, government, venture capital, incubator support, etc.) | **Programme** | **Nature of support** (funding/training/mentorship, etc.) | **Value of support (if known)** | **Period of support** |
|  |  |  |  |  |
| **9. Are you currently incubated/supported by any other incubator, enterprise supply chain development programme, etc.? Please specify support being received.** |
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| **10. Please attach short resumes/CVs (1/2 page each) of key personnel in your enterprise.** |

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| **11. Team composition (both business/technical management; if not identified, proposed):***List your team: What is the team’s background, expertise and experience (business and technical)?* |
| **Name** | **Highest academic qualification** | **Position in proposed entity** | **Previous business management/technical positions/experience** | **Previous experience in proposed biotech/agro-processing business area** |
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| **12. Support requirement:***Specify what support is needed from the PPF.* |
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