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| **PROJECT PROPOSAL FOR SUBMISSION TO JURONG ISLAND REQUEST FOR PROPOSAL** |
| 1. The information in each proposal furnished to EMA and JTC will be treated with strict confidence, with the understanding that it shall be used or disclosed for evaluation, reference and reporting purposes. All sections are to be completed. Incomplete submissions will not be accepted. Completed submissions should be saved as one folder and titled **“[*Project Title*] by [*Company Name*]”**. |

1. To ensure relevant agencies are involved in evaluations and public sector adoption, EMA and JTC shall reserve the right to inform and involve relevant public agencies in the project if supported. Proposals submitted might be shared with relevant public agencies.
2. Sections B, C, D of the proposal (including any clarifications accepted by EMA and JTC) will form the relevant portion of the relevant contractual document(s), if supported
3. Please use the checklist to submit all necessary documents to the IPI website ([jirfp.innovation-challenge.sg](file:///C:\Users\ema-jyjeer\AppData\Local\Temp\Temp1_01.10.2021%20-%20JIRFP%20Documents.zip\01.10.2021%20-%20JIRFP%20Documents\jirfp.innovation-challenge.sg)) by the Closing Date of the respective Challenge Statements.

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| ***Submission Checklist*** | ***Check if you have done so*** |
| *01\_Project Proposal* |  |
| *02\_Project Budget and Payment Schedule* |  |
| *03\_Quad Chart* |  |
| *04\_Declaration Forms and Financial Health Checklist* |  |
| *05\_Declaration of Compliance to Safe Distancing Measures* |  |
| *06\_Latest ACRA details* |  |
| *Other attachment for project proposal (e.g. CV of project team members. Include a content page and label in sequence of appearance if you referred in the proposal)* |  |

**SECTION A: INFORMATION**

**Company Name:**

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, (Insert Name and Designation), warrant, represent and declare that I am duly authorised to submit this application, receive instruction, give any information, accept any contract and act for and on behalf of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Insert Name of Firm or Company).

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Authorised Signature**

**GeBIZ Trading Partner Reference No. (if any):**

**Name of Point of Contact (if different from above):**

**Email Address:**

**Contact Number:**

1. **State the stages of development to be covered by the proposal:**

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| --- | --- |
| **Stage** | **Covered? (Yes/No)** |
| Prototype |  |
| Demonstration |  |

1. **Has the scope of work from this proposal received funding or used to apply to other public agency funding?**

**YES/NO**

1. **Other Public Agency Funding**

Has the applicant received public agency funding for other innovation projects? If **yes,** please specify.

|  |  |  |  |
| --- | --- | --- | --- |
| ***Project Title*** | ***Funding Agency POC*** | ***Start-end date*** | ***Project Value (S$)*** |
|  |  |  |  |

1. **Background of Company/ Profile of Team**

*Concisely indicate the nature of business, business type (startup, SME, LLE, MNC), global presence, and number of employees, the technologies / products / services provided, annual sales turnover. Provide background of key team members who will be working on the project.*

**SECTION B: PROJECT PROPOSAL**

1. **Title of Proposal [keep it succinct and short]**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Project Team**

*Describe the roles and responsibilities of the individual project team members directly involved in the project using the table below. Describe the expertise and track record of the respective team members. Please provide CVs of the project team members.*

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| --- | --- | --- | --- |
| **Name & Designation** | **Organisation** | **Relevant Track Record and Expertise** | **Role in this Project** |
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Table 1 Details of Project Team

1. **Proposed Solution/Approach**

*Describe: a) aims of the project, b) proposed solution/approach, c) main technologies used and its Technology Readiness Level (TRL) and target TRL at the end of the project, d) aspect of challenge statement being addressed, e) novelty of the proposed solution and differentiation between it and commercially-off-the-shelf product/solution. Explain how proposed work will address the challenge statement.*

1. **Project Scope**

*Describe the tasks needed for the scope of work and its implementation. Describe the trial/test-bed activities to be carried out and the expected outcome(s). Please specify the trial/test-bed area.*

*Describe the procedures to carry out the trial/test-bed, including the set-up (drawings, if any). Please indicate if infrastructure alteration is required as well as details to mitigate potential nuisances to other users. Describe any expected regulatory challenges/approvals, space requirements, and/or any other important information (e.g. access requirements).*

*State the expected outcome and performance. The expected performance should be described with quantitative elements as far as possible.*

1. **Project Timeline**

*List down the project milestones and corresponding timeline for the project (Refer to Table 2). The project milestones and timeline should be detailed and realistic, allowing sufficient time for the preparation of final report and for the review of project results.*

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| --- | --- | --- | --- | --- |
| **S/N** | **Project Milestones** | **Estimated Duration (months)** | **Target Start, T0 as effective date** | **Target Completion,**  **T0 as effective date** |
|  |  |  | T0+ \_\_Months | T0+ \_\_months |
|  |  |  | T0+ \_\_Months | T0+ \_\_months |
|  | *<add more rows if required>* |  |  |  |

Table 2 Project Timeline

1. **Cost Benefit Analysis of Solution**

*Using Table 3, compare the proposed solution with the conventional approach or next best alternative, and quantitatively describe the benefits of the proposed solution including but not limited to: (i) life cycle cost savings; (ii) efficiency gains; (iii) manpower productivity improvement; and/or (iv) reduction in carbon impact to the environment. Elaborate how the proposed solution can be scalable in Singapore and/or the region. You may add qualitative improvements, if applicable.*

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| **Proposed Solution** | **Existing/ Next Best Alternative** |
| *[Describe the proposed solution’s difference in approach/method vis-à-vis existing or next best alternative]* | *[Describe the existing solution or next best alternative’s method that is scrutinised.]* |
| *[Expected improvements over existing or next best alternative]* | *[Your basis for comparison and the standard results/performance]* |

Table 3 Cost Benefit Analysis

1. **Economic Benefits to Singapore**

*This section should describe the contributions of the project in terms of economic benefits to Singapore, such as manpower development, growing of local capabilities, and creation of new IP, products and applications. All industry collaborations, co-funding and letter of intent should be included, if any. Highlight any system level benefits and/or synergies of the solution with the Jurong Island ecosystem. For consistency, we request that all in-kind contributions be converted into monetary estimates.*

1. **Estimated Carbon Abatement Potential of Solution**

*Estimate the potential carbon abatement based on the proposed testbed scale if proven successful.*

|  |  |  |
| --- | --- | --- |
| **Potential benefits generated with solution deployment** | **Conversion factor to carbon** | **Potential Carbon Abatement** |
| *[Describe the proposed solution’s potential green resource generation and/or carbon dioxide emission reduction]* | *[Use applicable Singapore based and/or internationally recognised conversion factor to convert impact of green resource to carbon dioxide abatement. Please state the source]* | *[Present the potential amount of CO2 savings as either a one-off or at a suitable rate]* |
| *e.g. Green Electricity estimated to be generated in kWh/year* | *e.g. 0.4085kG CO2/kWh*  *(Singapore grid emission factor in 2019: Source: EMA website:* [*https://www.ema.gov.sg/singapore-energy-statistics/Ch02/index2*](https://www.ema.gov.sg/singapore-energy-statistics/Ch02/index2)*)* | *e.g. X Tonnes of CO2/year* |

Table 4 Estimated Carbon Abatement Potential of Solution

1. **Intellectual Property Rights**

*Foreground IP development (FIP)*

* *Proposal is to describe the expected Foreground IP developed (if any).*

*Background IP (BIP)*

* *Proposal to include declaration and details such as Background IPs that are required for technology acquisition, payment of licensing fees, and purchase of copyrights/ trademarks/ patents and explain how they are relevant and required for the proposed development and test-bed.*

***Note****: JTC will co-own the foreground IP generated.*

1. **Description of Commercialisation Plan**

*A brief write-up on how the company intends to commercialise the product within two years after successful test-bed and demonstration. The business model shall include the value proposition, target market(s) & prospects for effective deployment, and expected ROI, etc.*

**SECTION C: PROJECT BUDGET**

*Budget should be reasonable and sufficiently justified. Refer to 04\_Project Budget excel document.*

**SECTION D: PAYMENT SCHEDULE**

*Refer to 04\_Project Budget excel document.*

*I acknowledge that: (i) EMA and JTC may require me to present my proposal herein to a Project Evaluation Panel and following therefrom require me amend my proposal herein for further evaluation; and (ii) I may not otherwise than described in (i) amend my proposal herein.*

Signature

Position in company

Name of Signatory