

Tender Ref No: JTC24T0054



26 September 2024

To: All Applicants

## **CORRIGENDUM NO. 4**

### **DECARBONISATION LIVING LAB @ JID INNOVATION CALL**

#### Carbon Neutral Horticultural Processes

Please take note of the following amendments/clarifications to the above Innovation Call, which shall form part of the original Innovation Call document issued.

#### **1. NEW TENDER DOCUMENT**

- (a) The document '04\_JTC Template on Project Proposal\_Corr 2.pdf' shall be replaced by the document '04\_JTC Template on Project Proposal\_Corr 4.pdf';
- (b) The document '04\_JTC Template on Project Proposal\_Corr 2.doc' shall be replaced by the document '04\_JTC Template on Project Proposal\_Corr 4.docx';
- (c) The document '02\_Information\_DECAL.pdf' shall be replaced by the document '02\_Information\_DECAL\_Corr 4.pdf'

Please refer to below link for the documents.

<https://decal-jid.innovation-challenge.sg/statement-details.html>

- (d) The document '00\_Challenge statement\_05\_Carbon Neutral Horticultural Processes.pdf' shall be replaced with the document '00\_Challenge statement\_05\_Carbon Neutral Horticultural Processes Corr 4.pdf';

Please refer to below link for the documents.

<https://decal-jid.innovation-challenge.sg/problem-statement/carbon-neutral-horticultural-processes.html>

#### **2. CLARIFICATIONS**

Please take note of the clarification shown in Annex A which are made in response to the queries received.

### 3. CLOSING DATE

This Innovation Call (**Industry Category**) Closing Date has been extended by 2 weeks from the earlier closing date of 04 October 2024. The new Closing Date is 18 October 2024, not later than 4.00pm.

Your faithfully,  
Md Rusydi (Mr.)  
Sr Contracts Manager  
Contracts and Procurement (Corporate) Division

(This is an electronic document. No signature is required.)

## Annex A

S/N	Query	Response
General		
1	If we deploy a TRL>7 solution for testbed, does this make our backgroup IP freely accessible to JTC even if we have developed no further IP?	Please refer to Clause 10.1.3 in 03a_Specimen Agreement_DECAL on Background IP.
2	Can an IHL/RIs be the lead and the Startup be the Commercial Partner, Co-PI for the submission or the Startup has to lead the Project including the submission of the forms? Can the startup and an IHL form a consortium? When the consortium needs to be formed?	<p>Please refer to Section 3.6 in "02_Information_DECAL.pdf" pertaining to Local SMEs involvement.</p> <p>Local SME(s) must be involved in one way or another i.e., the Applicant must either be a local SME(s) or in a consortium arrangement with local SME(s). For the latter, the Applicant shall be led by a private sector company, preferably a local SME, and can partner other private sector companies, Institutes of Higher Learning (IHLs), Research Institutes (RIs), public sector agencies and/or not-for-profit organisations. The consortium preferably to be formed upon proposal submission.</p>
3	Under "04_JTC Template on Project Proposal", it is mentioned that "JTC will insert JTC PI and the Public Agency Collaborator". Please share more about the selection process of the JTC PI/Public Agency Collaborator and how they will be involved in the project.	JTC will invite relevant public agencies as Public Agency Collaborators to the project if the proposal is supported. This is to i) facilitate regulatory acceptance; and ii) steer development to better meet end-user requirements.
4	Under the file "04_JTC Template on Project Proposal", on Intellectual Property Rights, it states that "JTC will co-own the foreground IP generated". Please clarify what co-development work JTC will be involved in for the project, as well as how the foreground IP will be shared among relevant parties	JTC will contribute in steering the development to better meet end-user requirements. Please refer to Clause 10.2 in 03a_Specimen Agreement_DECAL on Foreground IP.

S/N	Query	Response
5	What is the maximum requested funding and the maximum project duration?	<p>The requested funding shall not exceed S\$500,000.00, i.e. maximum supportable project cost capped at \$500,000.00 per awarded project.</p> <p>The project duration shall not exceed eighteen (18) months.</p> <p>Please refer to Section 1.2 and 1.3 in "02_Information_DECAL.pdf" pertaining to funding and project duration, respectively.</p>
6	Does the project duration include the testbed? Or is it purely for developmental work, with the testbed happening after?	Please refer to Section 4.1 in "02_Information_DECAL.pdf" pertaining to Supportable Project Stages.
7	What will happen to the installed equipment after the project duration?	All assets acquired using the funding must be located in Singapore and maintained within the control of the awardees during the duration of the project and 1 year after the project.
8	Who will be funding the foreground IP? Does the collaborator to fund the IP application together with JTC or the application of the IP will be all settled on the collaborator side?	Please refer to Section 13 in "03a_Specimen Agreement_DECAL.pdf" pertaining to Patent Application.
9	Can interns be included in the project team?	Please refer to Footnote 3 in Section 1.2 in "02_Information_DECAL Corr 4.pdf" pertaining to supportable manpower cost.
<b>Additional Information</b>		
1	Location of the proposed test site This will help the calculations and size our proposal for the trial appropriately. Would there be pictures of the proposed test bed?	<p>Interested applicants shall conduct market survey to propose a reasonable size and competitive cost structure for the testbedding of the carbon neutral horticultural solution and products.</p> <p>Please refer to the refreshed document '00_Challenge statement_05_Carbon Neutral Horticultural Processes Corr 4.pdf' for the additional information.</p> <p>Access the site below for the documents.</p>

S/N	Query	Response
		<a href="https://decal-jid.innovation-challenge.sg/problem-statement/carbon-neutral-horticultural-processes.html">https://decal-jid.innovation-challenge.sg/problem-statement/carbon-neutral-horticultural-processes.html</a>
2	<p>Referring to the Challenges listed in the Challenge Statement, there is a "Steep cost premium of carbon-neutral horticultural solutions and products" and in the Requirements, a "Cost premium of no more than 50% over conventional processes" - Is there guidance on the cost for conventional processes and a price target that is ideal for carbon-negative soil amendments?</p>	<p>Interested applicants should work with landscape contractors to understand the current processes and cost of current operations.</p>
3	<p>As deployment outside the laboratory has not been done before in Singapore, are there existing approvals (on a sandbox basis) for the production of a carbon negative biochar fertilizer, or would this be something we will get JTC's assistance to obtain?</p>	<p>Awardee(s) shall obtain necessary authorities' approvals (if required) for the production of a carbon negative biochar fertilizer. Awardees shall also comply with existing standards such as SS698:2023.</p>
4	<p>Understanding that JID has 15 ha of park space, what is the scale of horticultural waste (in terms of tons/day, tons/week, or tons/month) that we have to work on? While working on the proposal, we realize that a project in JID may potential have a scale that can cater to horticultural waste beyond JID.</p>	<p>Project intention is for ready-made carbon-negative soil additives (off-site production) to be applied in JID.</p>
5	<p>Would the plants used be chosen and provided for on your side, or if we would have to include the plant costs on our end?</p>	<p>The plants species will be predetermined and plants are planted on site currently. Awardees shall be responsible for the maintenance (or replacement) of the plant(s) during the project duration.</p>
6	<p>Would the soil be provided on your side as well?</p>	<p>Awardee(s) shall provision for soil to be utilized for this contract (if any). The plants species are planted on site.</p>