**Research Proposal Format**

(Call ID: DBBL-CSR-GraTA-1st/2023)

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| Project Title  |  |
| Project Theme*(delete as appropriate)* | **1**. Agricultural Engineering (1.a Mechanization & post-harvest processing, 1.b Modern irrigation technologies for crop production); **2**. Crops; **3**. Livestock; **4**. Fisheries |
| Project Number | *(to be assigned by the finding authority)* |

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| **A. TEAM COMPOSITION** |
|  **Principal Investigator (PI)** |
| Title: Prof./Dr./Mr./Ms. | First name:  | Surname:  |
| Name of Organization: |  |
| Mailing address: |  |
| Phone Number: | Email: |
|  |
| **Co-PI-1 (**not more thantwo**)** |
| Title: Prof./Dr./Mr./Ms. | First name:  | Surname:  |
| Name of Organization: |  |
| Mailing address: |  |
| Phone Number: | Email: |
| **Co-PI-2** |
| Title: Prof./Dr./Mr./Ms. | First name:  | Surname:  |
| Name of Organization: |  |
| Mailing address: |  |
| Phone Number: | Email: |
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| **INDUSTRY PARTNER** (agro-industry, farm, NGO, etc.) (if applicable/needed) |
| Title: Dr./Mr./Ms. | First name:  | Surname:  |
| Name of org./farm/industry: |  |
| Mailing address: |  |
| Type of business/industry: | (e.g. crop production, production of agro-machinery, agro-processing,livestockfarm, fish farm, etc.)  |
| Phone Number: | Email: |

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| **B. PROJECT SUMMARY**(Please provide a brief summary of the innovation,main objective, approaches, outputsand key outcomes expected; word limit - 300) |
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| **C. DESCRIPTION OF THE AGRO-TECHNOLOGY/INNOVATION** |
| ***Please provide a brief description of yourtechnology/innovation****(word limit - 250)* |
| ***Please describe your (or your team’s) contribution to this technology/innovation and furnish with evidences in favour of this innovation*** *(e.g. referenceto any article, report, thesis, monograph, prototype, design, patent,etc.; word limit - 100)* |
| ***Please describe how the innovation will benefit (a) the farmers/industry partners/end users/relevant stakeholders and (b) the agri-sub-sector (****e.g. crops, fisheries, livestock, agri-mechanization,one health, cross-cutting themes in agriculture****) of Bangladesh as a whole*** *(word limit - 250)* |

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| **D. OBJECTIVE,APPROACH AND METHODOLOGY** |
| **Overall objective:****Specific Objectives:**(1)(2)(3)(..) |
| **Approach and Metholology***(Outline the steps that will be undertaken in the project to address the issues/problems/challenges and deliver the solutions. This may include a description of the phases, tasks, methods, designs, techniques and tools included in the project; word limit - 2000)* |
| **Logframe***(Please follow a 4x4 logframe matrix)* |
| **Schedule of Activities** *(Please use the template below to show shedule of project activities against set objectives. Maximum duration – 18 months) (please add activities/rows, if needed)* |

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| **Specific Objectives** | **Major Activities**  | **Project Duration (Months)** |
| **Period-1** | **Period-2** | **Period-3** |
|   |   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Objective (1)**  | Activity 1.1 Inception workshop |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Activity 1.2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Activity 1.3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| **Objective (2)** | Activity 2.1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Activity 2.2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Activity 2.3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| **Objective (3)** | Activity 3.1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Activity 3.2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Activity 3.3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Activity 3.4 Closing workshop |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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| **E. RESEARCHOUTPUTS & PROPOSED R&D ADOPTION PATHWAYS** *(List the specific outputs that this particular project will deliver; describe what further R&D will be needed (if applicable) beyond the project period? how the results will be used towardscommercialisationorindustry/farm adoption? word limit - 350)* |
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| **F. RESEARCH CAPABILITY & RELEVANT EXPERTISE***(Describe relevant skills and prior experience of the PI, co-PI(s) and the farm/industry partner (if applicable); word limit - 300)* |
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| **G. CROSS-CUTTING ISSUES** |
| **Doesthisproject have any environmental concern? (Yes/No) If your answer is ‘yes’ please describe the mitigation plan** (word limit - 100) |
| **Please describe how this project will address gender/youth/diversity issues** (word limit - 100) |
| **Does this project support climate change adaptation/mitigation/resilience in any form?**(word limit - 100) |

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| **H. BUDGET** |
| **Expenditure Item** | **Period-1** | **Period-2** | **Period-3** | **Total** | **% of Total** |
| **1. Salary andHonararium***(thesub-total costs for salary/honorarium shouldn’t exceed 25% of the total budget)* |  |  |  |  |  |
| 1.1 | Research Assistant/Associate  |  |  |  |  |  |
| 1.2 | Field/Lab Technician/Research Support Staff (if needed) |  |  |  |  |  |
| 1.3 | Honararium of PI and co-PI *(eq. to max. two months basic salary for the total project period)* |  |  |  |  |  |
| - | --- |  |  |  |  |  |
|  | ***Sub-total (1)*** |  |  |  |  |  |
| **2. Operational Expenditures** |
| 2.1 | Research & Development Costs (e.g.operational inputs, lab/farm inputs/chemicals, other necessary supplies,daily labouretc.) |  |  |  |  |  |
| 2.2 | Maintenance/repairing of lab/field equipment, etc. |  |  |  |  |  |
| 2.3 | Training (if needed) |  |  |  |  |  |
| 2.4 | Workshop/Seminar/Meeting/Field Day etc. |  |  |  |  |  |
| 2.5 | Travel expenses (TA/DA) as per recipient organization policies |  |  |  |  |  |
| 2.6 | Vehicle hire/oil/fuel for transportation |  |  |  |  |  |
| 2.7 | Office supplies and contingencies (not exceeding 5% of the total operational exp. budget)  |  |  |  |  |  |
| 2.8 | Miscellaneous (max 5% of total operationalexp. budget) |  |  |  |  |  |
| 2.9 | Institutional Overhead Charge (if any, max 5% of total operationalexp. budget) |  |  |  |  |  |
|  | ***Sub-total (2)*** |  |  |  |  |  |
| **3. Capital Expenditures**(should not exceed 10% of the total budget) |  |  |  |  |  |
| 3.1 | Lab/field equipment (please specify) |  |  |  |  |  |
| 3.2 | Office equipment (pelase specify) |  |  |  |  |  |
| 3.3 | Any other capital expenditure (please specify) |  |  |  |  |  |
|  | ***Sub-total (3)*** |  |  |  |  |  |
| **Grand Total (1 + 2 + 3)** |  |  |  |  |  |

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| **I. ENDORESEMENT** |

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| Signatureof the PI |  | Signature of the Farm/Indistry/NGO Partner(if applicable) |
|  |
| Signature of Head of the Division/Centre/Department |
| Signature of the Head (or official representative) of the Lead Institution |

**ANNEX-I: SHORT CVs OF PI AND CO-PI(s)**

1. Full name (with title):
2. Present position:
3. Organization:
4. Mailing address:
5. Educational qualifications:
6. Area of specialization:
7. R&Dexperiences:
8. Scientific publications:
9. Total number of referred publications in national and international journals/conf. proceedings:
10. List five relevant publications with full reference:

**ANNEX-II: DESCRIPTION OF CASH AND/OR IN-KIND CONTRIBUTION BY THE FARM/INDUSTRY PARTNER (if applicable)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.**  | **Line Item** | **Cash Contributions**(BDT) | **In-kind Contributions**(BDT) | **TOTAL****Contributions**(BDT) |
| **A.** | **Capital expenditures** |  |  |  |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
|  |  |  |  |  |
| **B.** | **Operational expenditures** |  |  |  |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
|  |  |  |  |  |
|  | **Total contribution by the farm/industry partner:**  |  |  |  |

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|  |  | Signature of the Farm/Industry/NGO Partner |

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*Note: The proposal, along with supporting documents (e.g. short CVs, letter of consent/support, etc.), should be uploaded as a single PDF file to the following link: https://www.dutchbanglabank.com/csr-research/research.html;*

*Submission Deadline:* ***24 May 2023****, 23:59 Bangladesh Standard Time.*