

2021 KETEP-NRCT Joint Grant Call

APPLICATION FORM

*Instructions: Application form should be typewritten and filled out in English.*

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| APPLICANTS’ INFORMATION (own country) |
| 1. Principal Investigator :  (First Name) (Last Name)  2. Current Position:  3. Current Institution and Adress:  4. Addresses for Contact  1) Office:  (Tel: Fax: )  2) Home:  (Tel: Fax: )  5. E-mail:  6. Sex (M / F):  7. Nationality:  8. Passport No.:  9. Expertise:  10. Research Team Institutions: |
| PARTNER’S INFORMATION (another country) |
| 11. Principal Investigator:  (First Name) (Last Name)  12. Current Position:  13. Current Institution and Adress:  14. Addresses for contact  1) Office:  (Tel: Fax: )  2) Home:  (Tel: Fax: )  15. E-mail:  16. Sex (M / F):  17. Nationality:  18. Expertise:  *※ Attach an invitation letter from your co-researcher* |
| RESEARCH WORK |
| 19. Subject Areas: Solar Energy  20. Specific Areas (select only one):   * Cost effective integration of solar PV deployments (e.g. rooftop PV) into the grid * Integration of PV with heat pump and hybrid with other heat engines   (e.g. ORC for CHP or CCHP)   * PV and Energy Storage * Other applications and technologies to improve the performance of PV, PVT modules   21. Research Topic:  22. Research Duration: From To  Total year months |
| BUDGET |
| 23. Requested Grant Amount: |
| OBJECTIVE |
| 24. Objective of the Project |
| NEEDS |
| 25. Why is the project being done? |
| 26. Who will get benefit from the project? |
| 27. Necessity for Cooperation |
| OVERVIEW |
| 28. A Brief Overview of the Entire Project |
| RESEARCH WORK PLAN |
| 29. Research Work Plan of the project |
| BENEFITS |
| 30. What is the desired outcome of the project? |
| 31. How do you measure success of the project? |
| 32. How can the outcomes be commercialised? |
| 33. Technology Readiness Level (TRL) of the project   * Start TRL * Projected End TRL  |  |  |  | | --- | --- | --- | | TRL | Description | Definition | | 0 | Idea | Unproven concept, no testing has been performed | | 1 | Basic Research | Basic principles postulated and observed but no experimental proof available | | 2 | Applied Research | Concept and application have been formulated | | 3 | Critical Function | First laboratory test completed; proof of concept | | 4 | Concept Validation | Small-scale prototype built in a laboratory environment, technology validated in laboratory | | 5 | Validation of Integrated System | Component and/or system validation in a relevant environment | | 6 | Verification of Integrated System | System model or prototype tested in intended environment close to expected performance | | 7 | Demonstration System | Operating in operational environment at pre-commercial scale | | 8 | System Completed and Qualified | Manufacturing issues solved | | 9 | Full Commercial Application | Technology available for consumers | |
| 34. IP Arrangement |
| COMPETITION |
| 35. How does your project stand out compared to other similar projects?  Please cite references. |
| CERTIFICATION  (The form must be co-signed by each institution from Korea and Thailand.) |
| APPLICANT |
| 36. Applicant (Principal Investigator)  Signature:  Name:  Name of Organisation:  Date:  37. Research Team of Applicant  Signature:  Name:  Name of Organisation:  Date: |
| PARTNER |
| 38. Applicant (Principal Investigator)  Signature:  Name:  Name of Organisation:  Date:  39. Research Team of Applicant  Signature:  Name:  Name of Organisation:  Date: |

I certify the above information to be accurate and correct.

(THIS APPLICATION IS NOT COMPLETE WITHOUT SIGNATURE)