

NATIONAL ADDITIVE MANUFACTURING INNOVATION CLUSTER

Project Funding Proposal Template

TITLE OF PROJECT

Project Team:

Name, Designation, Organization

Name, Designation, Organization

1. Overview [1000 words or less]

Please provide a clear outline of your proposed project. Describe the current landscape, gaps identified and the problem statement you plan to address. Explain the significance, importance and the benefits of addressing this problem statement. Describe objectives and commercial outcomes from this project - whether this will be implemented in production, or will generate licensable IP, or will be commercialized as a product or through a start-up or spin-off, etc. Highlight any important outcomes/impact on operations and business, such as the creation of a new line of business, and the GTM (go to market) strategy.

2. Proposal Description [2000 words or less]

Treat this section as a way to further elaborate your project, provide technical details, or add information supporting your proposal. Elaborate the current and desired state of the technology, scientific / technological concept and approach, and the key innovations. Explain the level of technology involved (how new it is, examples of industries that have used the tech), and the project feasibility (any prior work demonstrated the preliminary outcome or development team's experience to undertake project etc.). As much as possible, do not repeat information stated in section 1.

3. Project Team and Company Background [1.5 pages or less]

Please divide into 2 sections. First section describes the brief background of the Principal or Co-Principal Investigator (PI or Co-PI) and the project team members, together with their respective role in the project. Second section elaborates the company background, this includes following:

- Company is established in (YEAR)
- Nature of business
 - Core service:
 - Core products:
 - Exclusive deals or awards:
 - Overseas presence & proportion of sales turnover:
 - Other notable aspects of Company
- Current top revenue streams
- Brief background of founders/management
- 2-3 characteristics of the nature your industry
- Name key customers and competitors
- List the next development & growth plans/directions

4. Deliverables, Milestones and Decision Points [1 Page or less]

Please provide clear deliverables for this project, with a timeline for each deliverable. If appropriate to your proposal, please provide any go-No go decision points. Use a tabular format or a Gantt chart. List down the potential FIP (Foreground IP) which includes patents, knowhow, etc.

5. Budget Estimation and Funding Requested [0.5 pages or less]

Please provide the estimated cost of the project under broad line items (Detail should be provided in Annex 1). Explain how much of the funding requirement will be provided by each party involved in this project in separate budget table.

6. Risk Analysis [0.5 pages or less]

Please identify potential risks (technical, resources, project management, etc.) together with their respective mitigation/contingency/response plan.

7. Schematics & other supporting information [2 pages or less]

Please provide any schematics, diagrams or tables that help support or clarify your project. Please ensure that these are clearly labelled and will be legible when printed on A4 paper and in black and white.

ANNEX 1: Breakdown of Project Budget (OPTION 1)

Please Add/delete line items as appropriate to your project proposal.

Please have separate budget table for NAMIC cash funding, Research Partner's co-funding, NAMIC Hub's co-funding, and Company's co-funding.

	0-6mo	7-12mo	13-18mo	19-24mo	Grand Total	Remarks
Manpower						
Headcount 1						
HeadCount 2						
HeadCount 3						
HeadCount 4						
HeadCount 5						
Consumables						
#1						
#2						
#3						
#4						
#5						
Operating Expenses						
#1						
#2						
#3						
#4						
#5						
Others						
Total						

ANNEX 1: Breakdown of Project Budget (OPTION 2)

Description	S\$
<u>A1. Cash contribution by CLP</u>	
Manpower (Please breakdown the details)	
Consumables (Please breakdown the details)	
OOE (Please breakdown the details)	
Subtotal	<u>A1</u>
 <u>A2. In-kind contribution by CLP</u>	
Nil	
Subtotal	<u>A2</u>
 <u>B1. Cash contribution by IHL/RI or NAMIC Hub</u>	
Nil	
Subtotal	<u>B1</u>
 <u>B2. In-kind contribution by IHL/RI</u>	
<u>Equipment</u>	
Please breakdown the details	
 <u>Manpower</u>	
Please breakdown the details	
 <u>Others</u>	
Please breakdown the details	
Subtotal	<u>B2</u>
 <u>B3. In-kind contribution by NAMIC Hub</u>	
<u>Equipment</u>	
Please breakdown the details	
 <u>Manpower</u>	
Please breakdown the details	
 <u>Others</u>	
Please breakdown the details	
Subtotal	<u>B3</u>
 <u>C1. Cash contribution by Company</u>	
Cash Contribution	
Subtotal	<u>C1</u>

C2. In-kind contribution by Company

Manpower

Please breakdown the details

OOE/Equipment

Please breakdown the details

Subtotal C2

Total Project Direct Cost (A1 + B1 + C1)

20% Overhead Charge on Total Direct Project Cost

Total Amount Payable

NAMIC PEP Project Criteria Guidelines

Project Scope, Team, and Budget Criteria	
	Demonstration that the AM research and development is translational in nature and/or product driven, minimally at TRL 4 (3 for bio-medical) ¹ and beyond.
	Project must address a clear business, market and/or industry need.
	Clear commercialization plan or end point such as the launch of new product or service.
	Generation of IP(s) that can be further licensed, developed and commercialized.
	Project duration is less than 12 months for fast-track and 24 months for full project funding track.
	Project team composition consists of domain expert(s), industry collaborator(s), and/or clinician collaborators (for biomedical application)
	Project minimally meets 1:1 co-funding from industry and/or IHL collaborators (excludes NAMIC IHL contribution) with exception of standards development or translational project
	No double dipping: Project PI and industry collaborator(s) do not solicit for other source(s) of funding concurrently to execute the same project.
	The industry collaborator has presence in Singapore and is ACRA registered. Note :- For SPRING industry funding such as AM CDG, industry collaborator needs to adhere to SPRING's criteria ² .

¹ https://en.wikipedia.org/wiki/Technology_readiness_level General Ref : US DoD definition.

² <https://www.spring.gov.sg/Growing-Business/Grant/Pages/capability-development-grant.aspx>

Project Outcome and Impact Desired	
	Leads to a new product or business service.
	Leads to the creation of a new start-up or spin-off company.
	Demonstrates regional or global market potential, with business scale-up plans.
	Creates social and/or economic impact to Singapore.
	Leads to the adoption of AM with a view to transform the core business.
	Strengthens Singapore's know-how and global standing in strategic sectors i.e. water, energy, manufacturing, human capital retention etc.
	Leads to the establishment of a foreign company's establishing a presence in Singapore.
	Generation of TR (Technical Reference) leading to SS (Singapore Standard) or ISO/ASTM Standard for industry adoption.
	Develops and progresses Singapore's human capital in various AM domains.
	Creates a new product/market segment and enable new business models.
	Creates high value-added jobs.