



QUANTUM STANDARDIZATION AND TESTING LAB FORM

Basic Details

Proposal Details

IPR Details

Project Details

Confirmation

Title of Proposal:*

subject data

Proposal Duration (In Months):*

9

Upload approval Certificate from your Organization / Institute on their letter head for submission of Quantum standardization and testing labs proposal: * (Only pdf, Maximum size-5mb)

Choose file

No file chosen

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Key Information For Proposal

What is the objective behind setting up this standardization and testing lab facility?*

data

Where (physical location) are you planning to establish this lab? What is the approximate size (in sq. ft.) of the lab?*

data

What specific quantum communication technologies and systems will your lab focus on standardizing and testing, and why?*

data



Have you conducted any preliminary assessments or benchmarks to evaluate the current gaps in quantum standardization and testing, and how does your lab plan to address these gaps?*

data

How will your lab defend against potential challenges and limitations in the testing of quantum technologies, including hardware constraints and quantum noise?*

data

How will your lab ensure compatibility and interoperability of quantum technologies with existing conventional systems and networks?*

data

How does your proposed quantum standardization and testing lab ensure compliance with international standards and best practices in quantum technologies?*

data

What are the potential applications and use cases for your standardization methodologies in enhancing the reliability and security of quantum technologies?*

data



Can you provide evidence of your lab's readiness to handle critical tasks in quantum standardization and testing, including relevant expertise and available infrastructure?*

data

Are you collaborating with any international research institutions or industry partners to leverage diverse expertise and resources for your lab?*

data

Are you collaborating with other research institutions, industry partners, or government agencies in India to leverage diverse expertise and resources for your lab?*

data

How do you foresee your lab contributing to the advancement of global quantum standardization efforts and the broader adoption of quantum technologies?*

data

What marketing initiatives do you plan to undertake for effective utilization of the lab? Please share your immediate and long term marketing plan.*

dat



Do you have any plan to start any professional development or certification courses?*

sadhb

What is your proposed timeline for developing, validating, and deploying your quantum standardization and testing lab, considering both research and practical implementation phases?*

sakjdb

What is your plan to generate IPRs/SEPs from this lab?*

oasdi

What is your plan for participation in standardization forums, national and international conferences?*

asd

Proposal Summary

Abstract of the proposal:*

aosudf

Novelty of the Proposal:*



asdjb

Technical Feasibility:*

ashjd

Potential Impact:*

asd

End to End Solution:*

asduf

Revenue generation model for proposed lab:*

asduf

Plan for technology transfer:*

asdf



Team:*

asdf

Mention details of support required in the proposal:*

asdf

Are there any alternate competitive technology/product? available/under development locally/outside India? Please provide the information available with you. What is the comparison of performance/ specification/ features?*

asdf

Save & Continue →





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Essence of the Proposal Highlighting the following

Significance & Impact/Value of Proposal:*

uwe we

Rationale:*

aief wief wefi

Inventive Step/Innovation:*

wefif wqeof qwef

Scope of Industrial Application or collaborations in the future:*



uwe qiew qw e

National Importance / Social Relevance:*

ioer werioerw.

Commercialization Potential:*

woriwre erwi re re

Risk Factors:*

qweir weri

Has the Preliminary work done so far?*

werigwe ewri erw er

National and International Status of Proposed laboratory: *

wier ewr erw er e



Revenue generation model for proposed lab:*

11

IP (Intellectual Property) & Regulatory Details

Has the lab/ institute designed any new concept/methods/solution/product in the domain of quantum measurement, performance validation, compliance testing, etc.? *

asd

Is this proposal based on Intellectual Property rights owned by the Applicant/Collaborator/Licensed from abroad?*

No

Provide Details of IP Proposal Ownership by *

asdf

IP Proposal *

No

Is Patent Applied ?*

No



IP (Intellectual Property) Details

IP registered number (IPO or FPO): *

IP background details :*

Is there any possibility of generating new IP ? :*

Countries/jurisdiction where the applicant intends to practice/market the proposed technology :*

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Are you using any technology presently (to be used by the proposed lab) that is licenced

Regulatory Approvals*

nkjsad sda ds ds

Status Approvals*

dsjdsf dsv dsv sd

Proof of Status*

dsakjdsa ds dsvjvds

Have you ever submitted this related proposal before under any of the DoT Schemes? (Yes/ No)*

Proposal reference No.*



No

5 uyv h.

Proposal Title*

b we wejew

Proposal Status*

no

USOF Scheme*

asdf

Has your lab planned to prioritize the procurement of items/ Systems/ Sub-systems manufactured in India? (Yes/ No)*

Yes

Does your solution have all the necessary regulatory approvals and certifications to operate in India? (Yes/ No)*

Yes

Approval in Details:*

na nas



Architecture & Project Chart

<p>1. Upload GANTT/PERT Chart: * (Only pdf, Maximum size-5mb)</p>	<div style="border: 1px solid #ccc; padding: 5px; display: flex; justify-content: space-between;"> Choose file No file chosen </div> <p>View</p>
<p>2. Upload the detailed proposal along with the technical architecture, block diagrams and any other relevant documents : * (Only pdf, Maximum size-5mb)</p>	<div style="border: 1px solid #ccc; padding: 5px; display: flex; justify-content: space-between;"> Choose file No file chosen </div> <p>View</p>
<p>3. Please upload presentation of the proposal covering all the below points in pdf form:* (Only pdf, Maximum size-5mb)</p> <ul style="list-style-type: none"> • Description • Objectives • Preliminary analysis done by the institute • Other institutes working in this area • Methodology: Detailing stepwise activities and sub-activities • Outcome of the proposal & likely impact in the field of quantum computing and related areas? • Targetted number of IPRs/SEPs (generation) • Budget bifurcation 	<div style="border: 1px solid #ccc; padding: 5px; display: flex; justify-content: space-between;"> Choose file No file chosen </div> <p>View</p>

Details of Manpower required

Job Title*	Minimum Qualification*	Age limit*	Role in the Project*	No of position*	Duration (in Months)*	Proposed Monthly salary (in INR)*	Total cost (in INR)*	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<div style="background-color: #007bff; color: white; padding: 5px; border-radius: 5px; display: inline-block;"> + Save </div>



S.No.	Job Title	Minimum Qualification	Age limit	Role in the Project	No of position	Duration (in Months)	Proposed Monthly salary (in INR)	Total cost (in INR)	Action
1.	cleaner	12th	44	cleaning	1	11	11000	121000	<button>Delete</button>
Total							11,000.00	121,000.00	

Details of Proposed facility requirements (purchase for this proposal from total cost)

(* Site development, Site services, No. of clean rooms, Furniture, Ancillary items are Mandatory)

Item Name*	Quantity*	Cost per Item (in INR)*	Total amount (in INR)*	
<input type="text" value="Select"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0.00"/>	<button>+ Save</button>

S.No.	Item Name	Quantity	Cost per Item (in INR)	Total amount (in INR)	Action
1.	Site development	2	1100	2200.00	<button>Delete</button>
2.	Site services	2	22	44.00	<button>Delete</button>
3.	No.of clean rooms	1	12	12.00	<button>Delete</button>
Total		5	1134	2,256.00	



Details of Capital Expenditure (Equipment's required for the project)

(* Single Photon Source, Entangled Photon Source, Single-Photon Detectors, Quantum Entanglement Measurement Systems, Superconducting Qubit Systems, Trapped Ion Quantum Computers, Photonic Quantum Processors, Cryogenic equipment, Precision measurement tools, Quantum communication equipment, Quantum teleportation and Quantum keyless cryptography, Quantum repeaters, Quantum memory, Software and simulation tools, Data acquisition and analysis systems, Environmental control equipment, Safety and compliance equipment, Quantum state analyzers, 3-D printers items are Mandatory)

Items*	Quantity*	Unit Price (in INR)*	Approximate cost (in INR)*	Applicant Contribution (in INR)*	
Select ▼	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="+ Save"/>

S.No.	Items	Quantity	Unit Price (in INR)	Approximate cost (in INR)	Applicant Contribution (in INR)	Action
1.	Single Photon Source	2	100	200	300	<input type="button" value="Delete"/>
2.	Entangled Photon Source	2	22	44	33	<input type="button" value="Delete"/>
Total		4	122	244.00	333.00	



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