

**General Guidelines for submission of Research Proposals under  
Component - I (Research, Innovation and Development) and Terms of  
Funding (Revised)**

National Technical Textiles Mission is valid for the period 2020-21 to 2023-24, after which it will move into the sunset phase. All research objectives approved for National Technical Textiles Mission have defined target years for speciality fibres and product developments, application-oriented research and commercialization. The Research Proposals must be submitted keeping in mind the target years of the Mission, so that the Desired Outcome of each research activity is achieved within the target year.

**A: Mechanism for submission of Research Proposals from Research Bodies**

- A-1. A '**Research Body**' under National Technical Textiles Mission is Research Organisation, which is directly under the control of a Ministry / Department of the Government of India, or government academic Institution of repute engaged in advanced research in the relevant field. The '**Principal Investigator(s) (PIs)**' shall be the applicants under the **Research Body. Notably, PIs should not be below Scientist 'C' under Government of India or Assistant Professor of Academic Institute.**
- A-2. The broad Research Topics identified for inviting Research Proposals under NTTM are published on the website. The Research Body may undertake the approved research activity entirely on its own, or involve partners from Industry or other research bodies. In case of an **Industry Partner**' or multiple Industry Partners, the Industry Partner must have its manufacturing facility in India for a related product and must have adequate research infrastructure in India for undertaking research in the related field. The Research Body may also partner with other '**Laboratory Partner(s)**' who also must have adequate research infrastructure in the related field in India. The details of Industry/ Laboratory Partners have to be brought out in the research proposal with details of their specific in the Research Proposal. All Industry/ Laboratory Partners must be registered in India under the relevant legal provisions.
- A-3. Funding will be provided to the Research Body only, and the Research Body conducting the particular research project is primarily responsible for all inter-partnership coordination, distribution of funds, monitoring of expenditure and reporting progress to the Government. The Research

Body is also responsible for the final Desired Outcome in the time bound manner.

- A-4. The funding provided under National Technical Textiles Mission (Component-I) will not cover any cost towards additional infrastructure such as building or any renovation work. The research activities have to be undertaken within the available infrastructure arrangement of each participating organisation. However, research equipments which are additionally required for specific jobs not available earlier may be procured by the 'Research Body' the details of which needs to be clearly indicated in the Research Proposal submitted for consideration of the Government. As far as possible, common test facilities may be utilized where testing of such nature is not frequently necessary, so as not to create redundancy in testing infrastructure.
- A-5. Cost incurred towards permanent manpower should not be charged to the cost of research. However, cost of additional temporary manpower (contract employee, consultants) proposed to be engaged for the 'Research Project' may be indicated clearly in the research Proposal, with details of man-days and cost per man-day in respect of each such engagement.
- A-6. Each Project will have maximum three Stages (including the final outcome stage), towards achievement of its 'Desired Outcome'. The Desired Outcome must be in clearly identifiable terms, which has a potential for commercial use or towards an application of substantial improvement. The Research Proposal must indicate all such serial and parallel activities; and also indicate activities to be performed by the 'Research Body' and its Industry Partner/ Laboratory Partner in colour code in the PERT diagram. The timeline for each activity leading to a milestone and the Stage (a Stage means achievement of a measurable and definable outcome prior to the Desired Outcome) also needs to be defined in the Research Proposal. Each Project will be reviewed periodically vis-a-vis its defined milestones and Stages. Further funding will depend upon satisfactory progress of the Research Project in terms of the approved plan.
- A-7. The Research Proposals will be approved as per the Institutional Mechanism under National Technical Textiles Mission, notified in the Gazette of India vide Gazette Resolution Dated 17th March 2020. The Research Body submitting the Research Proposal and its Partners may be required to present the proposal before the Committee(s) at the time of its consideration.
- A-8 National Technical Textiles Mission aims at research in niche areas of technology for boosting indigenous manufacturing and exports of value added and cutting-edge technical textiles materials and products. All

research projects have to be original in nature addressing a niche and advanced area of Technical Textiles having wider benefit to the country. The Research Body and its Partners for the Research Project are responsible for the protection of research confidentiality.

## **B: Funding Arrangement**

The funding pattern shall be on need-based at the discretion and approval of the Committee on Technical Textiles on Research, Development and Innovation. The scheme shall be implemented through a 3-tier institutional mechanism viz:

- (i) Mission Steering Group
- (ii) Empowered Programme Committee
- (iii) Committee on Technical Textiles on Research, Development & Innovation

Principal Investigator(s) should bifurcate the overall fund requirement into year-wise fund requirement. In addition, capital and revenue expenditure should be highlighted separately. The details to be attached in the online application portal as highlighted in Annexure I.

All the research equipment, additional contract manpower/ consultants, procurement of research materials shall be purchased/ hired keeping in view the relevant instructions of GFR 2017 and guidelines issued by the NITI Aayog and procure the equipments in order to promote 'Make in India' and enable competitiveness of the industry by way of reduced capital costs.

The Mission will have a sunset clause after completion of its target year i.e., 2023-24.

## **C: Intellectual Property**

The Intellectual Property (IP) of the research outcome will generally vest with the Government. In cases, where a participating Industry Partner has contributed substantially, the concerned Industry Partner will have right over the IPs for a certain period. The policy regarding Intellectual Property rights out of the research outcomes will be as follows:

- (i) ***Situation-1: A technology purely developed by an academic institution/ public funded laboratory.***

The IP will be licensed as per the institutional IP policy of the concerned academic institution/ public funded institution or in the absence of such institutional IP Policy, will be governed by the National Government IP policy. To the extent possible, IP may be open for licensing to any interested party or non-exclusive basis.

- (ii) **Situation-2:** *An IP generated by an academic institution/ public funded laboratory is further scaled up through pilot/ validation project jointly with an industry partner resulting in new joint IPs.*

The partnering Industry may enjoy 'the right of first refusal' on the IP component of the joint IPs, residing with academic institution/ public funded laboratory and can be licensed to the Industry partner for a period of one year from the date of completion of the pilot scale/ validation project. Beyond that period, the IP in question will be available to open to any industrial partner for licensing on a non-exclusive basis.

- (iii) **Situation-3:** *An IP purely owned by an industry, based on which academic an academic institution/ public funded institution is involved a joint project with the said industry for scale up.*

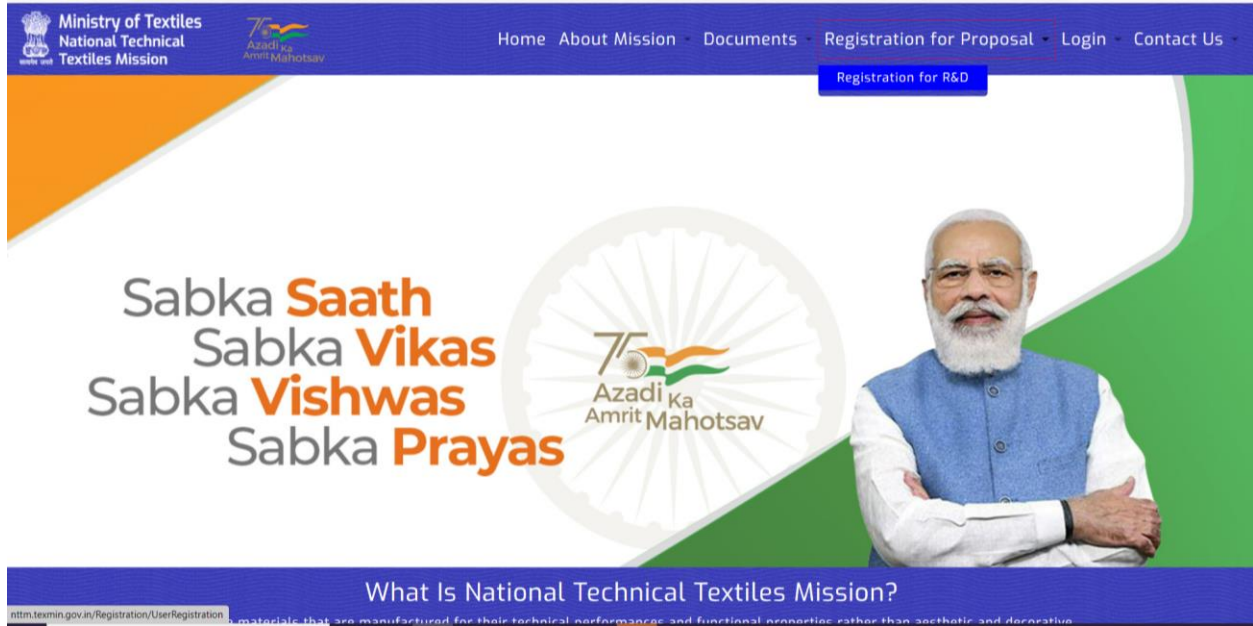
In this situation, any new IP generated by the academic institution may be licensed for a period of two years to the industry partner on an exclusive basis, from the date of completion of the pilot scale/ validation project. Beyond two years, after duly assessing the milestone achievements and royalty realization, the IP can either be considered for further renewal with the same industry on mutually agreeable terms or made to any interested party as per the terms of the relevant IP policy.

#### **D: Application Procedure**

- D-1. Applications may be submitted on the dedicated online application portal under <http://nttm.texmin.gov.in/> only. Notably, applications received through post or mail shall not be entertained effective from 30<sup>th</sup> September 2022 onwards.
- D-2. Detailed Application Structure and Format are appended under **Annexure-I**

## Annexure-I: Structure and Format of Application

1. Open the “**Registration for Proposal**” tab under **nttm.textiles.gov.in** website.



2. Fill-in the **Registration details**.

The screenshot shows the 'Registration for Proposal Submission' form. The form includes the following fields:

- Institute/Research Body Name: Select Institute/Research Body
- Institute/Research Body affiliation: Select
- State: Select State
- District: Select District
- Address Line 1 of Institute/Research Body: Enter Address Line 1
- Address Line 2 of Institute/Research Body: Enter Address Line 2
- Pincode of Institute/Research Body: Enter Pincode
- Name of the Dean/Principal/Head of the institute/Research Body: Enter Full Name
- Mobile No. of the Dean/Principal/Head of the institute/Research Body: 888xxxx999
- Email of the Dean/Principal/Head of the institute/Research Body: me@gmail.com

I hereby declare that the details and informations filled by me above, are true to the best of my knowledge

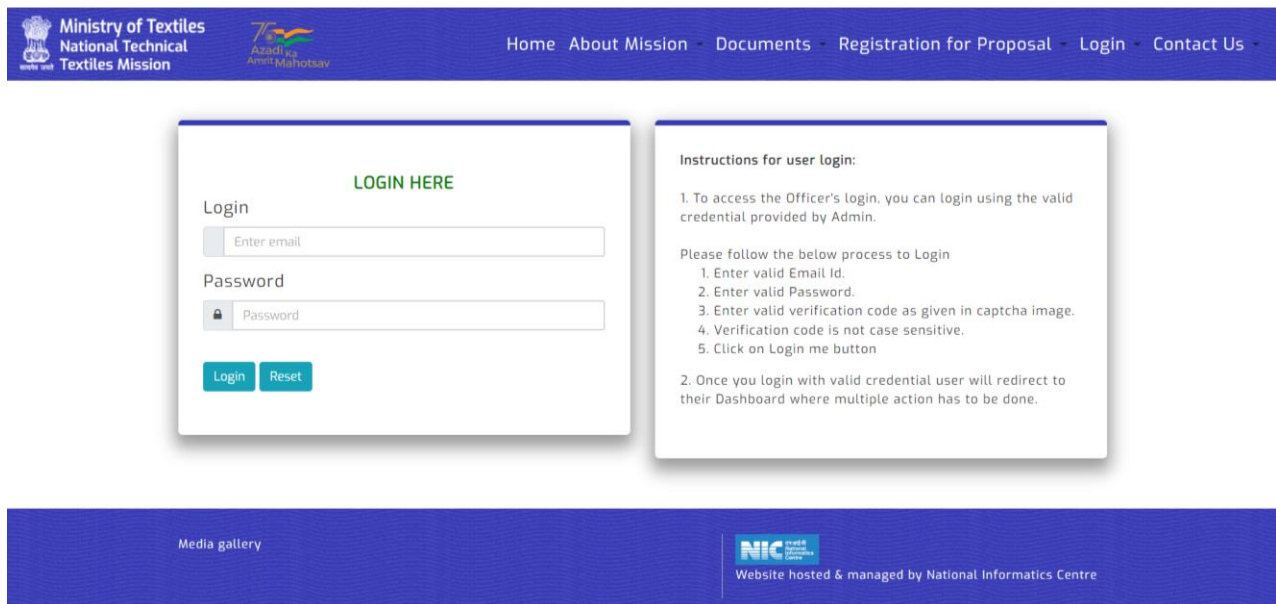
Note: All fields are mandatory

Validate

3. Post Registration, go back to the Homepage and click on **Login->Login for R&D**

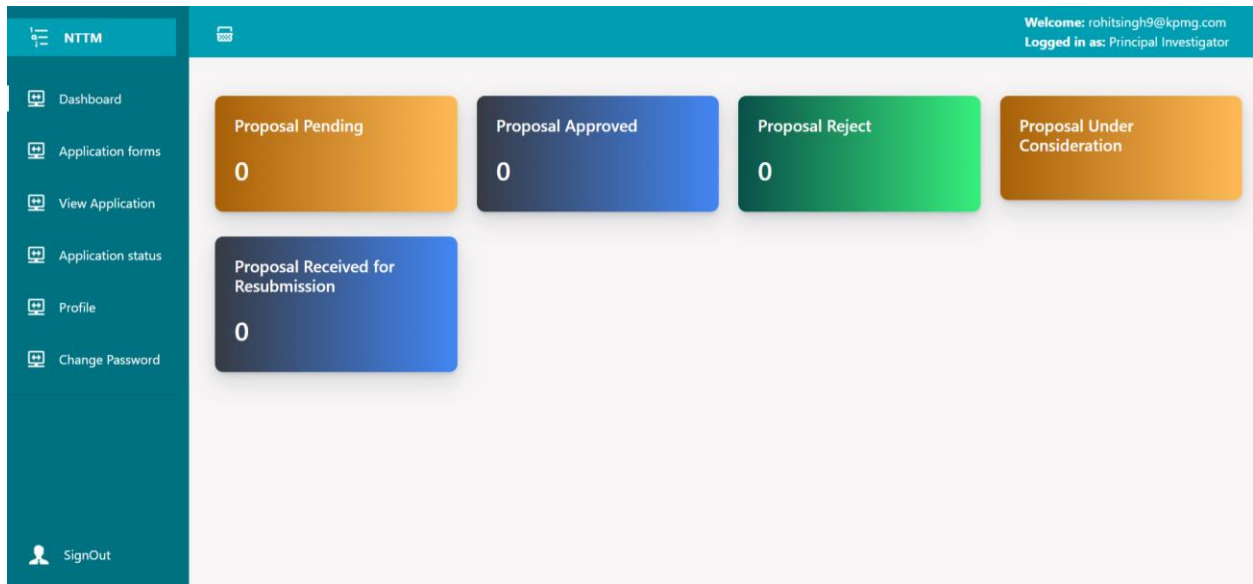


4. Enter your **Login Credentials** to initiate the Application Process.

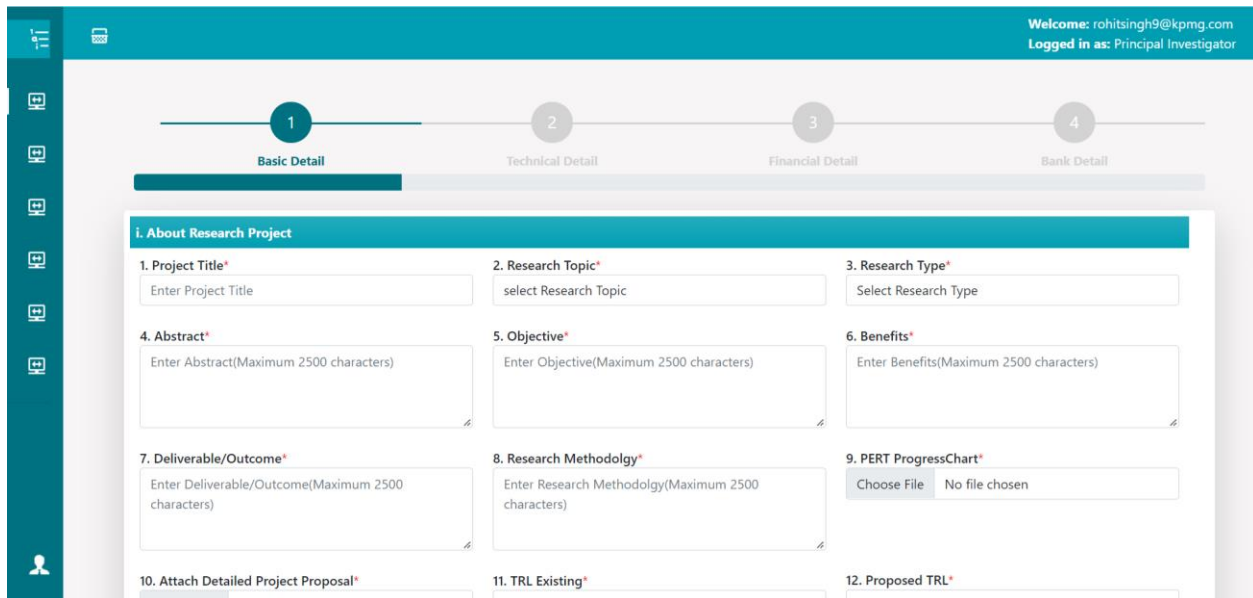




5. In the R&D Application Dashboard, click on **Application forms** to initiate a new application.



6. In the Application form, you need to fill-in details for four-categories – **Basic Details, Technical Details, Financial Details and Bank Details.**



## 7. Information to be filled in the **Basic Details**

### About the Project:

**Basic Detail** | Technical Detail | Financial Detail | Bank Detail

#### i. About Research Project

1. Project Title* Enter Project Title	2. Research Topic* select Research Topic	3. Research Type* Select Research Type
4. Abstract* Enter Abstract(Maximum 2500 characters)	5. Objective* Enter Objective(Maximum 2500 characters)	6. Benefits* Enter Benefits(Maximum 2500 characters)
7. Deliverable/Outcome* Enter Deliverable/Outcome(Maximum 2500 characters)	8. Research Methodolgy* Enter Research Methodolgy(Maximum 2500 characters)	9. PERT ProgressChart* Choose File No file chosen
10. Attach Detailed Project Proposal* Choose File No file chosen	11. TRL Existing* Select	12. Proposed TRL* Select

## Principal Investigator Details & Co-Principal Investigator Details

#### iii. Principal Investigator Details

1. Institute of PI (Principal investigator)* Others	2. Name of PI (Principal investigator)* Rohit Singh	3. E-mail ID of PI (Principal investigator)* rohitsingh9@kpmg.com
4. Mobile No. of PI (Principal investigator)* 9871424753	5. Designation of PI (Principal investigator)* Select	

#### iv. Co-Principal Investigator Details

1. Name of Co-PI (Co- Principal investigator) Enter Full Name	2. E-mail ID of Co-PI (Co- Principal investigator) Enter Email	3. Mobile No. of Co-PI (Co- Principal investigator) Enter Mobile
4. Institute of Co-PI (Co- Principal investigator) Enter Institute	5. Designation of Co-PI (Co- Principal investigator) Select Designation	

Add Co Principal Investigator

**Note:** The Head of the Research Project should not be below Scientist 'C' under Government of India or Assistant Professor of Academic Institute)

## Industrial Partner Details

#### v. Industrial Partner Details

1. Industrial Partner Name Enter Full Name	2. Industrial Partner Email Enter Email	3. Industrial Partner Mobile Enter Mobile
4. Industrial Partner Designation Select Designation	5. Address of Industrial Partner Industrial Partner Address	6. Registration Details Enter Registration Details
7. Current Manufacturing activities and/or Research infrastructure Enter current Manufacturing Activities	8. Role of Industrial Partner Enter Industrial Partner role	

Add Industrial Partner



## Available Laboratory Partner Details, if any

vi. Available Laboratory Partner Details, If any

1. Name of Laboratory partner <input type="text" value="Enter Full Name"/>	2. Mobile of Laboratory Partner <input type="text" value="Enter Mobile"/>	3. Designation of the Lead person <input type="text" value="Select Designation"/>
4. Email of Laboratory Partner <input type="text" value="Enter Email"/>	5. Address of Laboratory partner <input type="text" value="Enter Address"/>	6. Registration Details <input type="text" value="Enter Registration Details"/>
7. Current Manufacturing activities and/or Research infrastructure <input type="text" value="Enter Current Manufacturing Activities"/>	8. Role of Laboratory Partner <input type="text" value="Enter Role"/>	

List of major machines/equipments/instruments at the Lab

 Add Machine

Add Laboratory Partner

Submit & Next

8. Post submission of the Basic Details, fill-in the **Technical Details** Tab

Welcome: shivampi@gmail.com  
Logged in as: Principal Investigator

Basic Detail
Technical Detail
Financial Detail
Bank Detail

**Technical Detail**

**Available Infrastructure with PI's Laboratory**

Machine Name  
 Add Machine

**Infrastructure Required**

Machine/Equipments Name* <input type="text" value="Enter Machine Name"/>	Cost of Machine/Equipments* <input type="text" value="Enter cost of machine"/>	Time Duration (In days)* <input type="text" value="Enter no. of days"/>
Quantity of Machine* <input type="text" value="Enter quantity of machine"/>	Machine Information* <input type="text" value="Choose File"/> No file chosen	

Add Machine

**Prototype**

Number of prototypes\*  
 Add Prototype

**Defined Project Milestones**

Stages	Details	Time Duration (In days)
1. Stage 1 : Critical Path (Process/Technology) of the project*	<input style="width: 90%;" type="text" value="Enter Project Milestone"/>	<input style="width: 90%;" type="text" value="Enter Time Duration"/>
2. Stage 2 : Research & Experiments	<input style="width: 90%;" type="text" value="Enter Project Milestone"/>	<input style="width: 90%;" type="text" value="Enter Time Duration"/>
3. Stage 3 : Lab scale product development & Technology demonstration	<input style="width: 90%;" type="text" value="Enter Project Milestone"/>	<input style="width: 90%;" type="text" value="Enter Time Duration"/>
4. Stage 4 : Prototype of product developed	<input style="width: 90%;" type="text" value="Enter Project Milestone"/>	<input style="width: 90%;" type="text" value="Enter Time Duration"/>
5. Stage 5 : Up scaling of Technology to industrial level	<input style="width: 90%;" type="text" value="Enter Project Milestone"/>	<input style="width: 90%;" type="text" value="Enter Time Duration"/>
6. Stage 6 : Others	<input style="width: 90%;" type="text" value="Enter Project Milestone"/>	<input style="width: 90%;" type="text" value="Enter Time Duration"/>

Submit & Next
Previous

## 9. Fill-in the **Financial Details** and **Bank Details**

Welcome: shivampi@gmail.com  
Logged in as: Principal Investigator

1 Basic Detail      2 Technical Detail      3 **Financial Detail**      4 Bank Detail

### Financial Detail

Manpower cost (In Lakhs) Enter Man Power Cost	Miscellaneous cost (In Lakhs) Enter Misc Cost	Contingency cost (In Lakhs) Enter Contingency Cost
Travel cost (In Lakhs) Enter Travel Cost	Consumables cost (In Lakhs) Enter Consumables Cost	Equipment/ infrastructure (Excluding building and land)cost (In Lakhs) Enter Equipment_Infrastructure Cost

### Any Other Cost

Type of cost Enter Type of Cost	Values (In Lakhs) Enter Values of Cost	<b>Add Cost</b>
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### Total Cost

Total cost of the project (In Lakhs)* Enter Total CostOf Project	<b>Calculate Total Cost</b>
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**Submit & Next**    **Previous**

Welcome: shivampi@gmail.com  
Logged in as: Principal Investigator

1 Basic Detail      2 Technical Detail      3 Financial Detail      4 **Bank Detail**

### Bank Details of Research Institute

Bank Name* Enter Bank Name	Account Number* Enter Account Number
Branch Address* Enter Branch Address	IFSC Code* Enter IFSCCode

**Submit Application**    **Previous**

## 10. **Submit the Final Application**

11. **View the Status of your submitted application on the R&D Application Dashboard**

The screenshot displays the R&D Application Dashboard. At the top right, it shows the user is logged in as 'Principal Investigator' with the email 'rohitsingh9@kpmg.com'. The dashboard features a sidebar with navigation options: Dashboard, Application forms, View Application, Application status, Profile, Change Password, and SignOut. The main content area contains five proposal status cards, each with a count of 0:

- Proposal Pending (Orange card)
- Proposal Approved (Dark Blue card)
- Proposal Reject (Green card)
- Proposal Under Consideration (Light Orange card)
- Proposal Received for Resubmission (Dark Blue card)

Proposal Status	Count
Proposal Pending	0
Proposal Approved	0
Proposal Reject	0
Proposal Under Consideration	0
Proposal Received for Resubmission	0