ENTREPRENEURSHIP DEVELOPMENT BY SC-ST WOMEN IN STEM (ED/SC-ST- WISTEM) 2022

PROFORMA FOR TECHNICAL DOCUMENT

INSTRUCTIONS

Definition of the Proposal Component

The technical document must contain the following points for each of the component, while submitting the technical document.

1. **Summary of Programme Problem**-
   a. What is the problem you are solving?
   b. Solution-What is the proposed technology and how it will solve the problem?
   c. Competitions- What are the currently available solutions and why & how is your solution better?

2. **Objectives and Proposed approach** –

   a. Methodology/Strategy of work
   b. Brief description of each objective, plan to achieves the objectives like Activity 1, 2 3.. etc with time line ie. the upgradation/improvement of TRL and stages of development and timeline with the deliverables must be included

3. **Novelty**
   a. List of competitors, direct/ or indirect, local/ or global
   b. If possible, to differentiate them in a form of table (competitive landscape)
   c. The table of competitors must contain the following:
      1. Technologies/product – 2. Description-3. features

4. **Opportunity**
   a. Gap in market; provide numbers and estimates of growth in market
   b. How much of market do you intend to capture
   c. Does technology have social impact?
   d. How much of market impact?

5. **Challenges/Risk Factors if any**
   a. Ethical clearance/regulatory aspects

6. **Previous work Done**
   a. Details of Technologies/product developed including the TRL level of work level of work
   b. Picture must be included with description
   c. Intellectual property rights/ Patents
      i. Whether filed patent?
      ii. Existing related patent & differences noted with the current one
      iii. License agreement
      iv. New IP planned if any in future
   d. **Publications**
      i. **P**apers published related to the work if any

7. **Proposed Outcome**
   a. Details of the end product ie the technology that you are going to develop/upgrade

8. **Business Plan/Commercialization Plan**
   a. Market analysis- and who are the customers?
   b. Market entry strategy- How will you sell, and where?

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(Not more than 3-4 pages)

(In cases of Nomination by head of Institution, a covering letter must be included with the application)

1. **Title of the Proposed Programme:**

2. **STEM area:**

3. **Name & Address of Institution:**

4. **Summary of Programme Problem**:

5. **Objectives and Proposed approach:**

6. **Novelty:**

7. **Opportunity:**

8. **Challenges/Risk Factors if any:**

9. **Previous work Done:**

10. **Proposed Outcome:**

8. **Business Plan/Commercialization Plan:**

9. **Intellectual property rights/ Patents:**

10. **Publications:**

11. **Awards &Recognition received by applicant if any**

12. **Budget & Justification of the budget proposed** (item wise justification for the components proposed is required)

Item wise split-up of Budget for Rs 20,00,000/-	Amount (INR)	Total Amount (INR)
Fellowship with 10% HRA ≤ 45 K/month/head		
A. M.Sc, M Tech	Rs 4,62,000	

	@35,000 p.m + 10% HRA x 12	
B. Ph. D	Rs 5,94,000 @45,000p.m +10% HRA x 12	
Capital Cost (includes, minor equipment's, Ip protection)	M.Sc/M.Tech -≤ 16.72% of total cost; subject to maximum of Rs 3,34,500/- PhD- ≤ 15.08% of total cost; subject to a maximum of Rs 3,01,500/-	
Operational Cost (includes consumables, building Rent & outsourced, travel, services	M.Sc/M.Tech- ≤ 47.1 % of total cost; subject to a maximum of Rs 9,42,000/- PhD -≤ 42.7 % of total cost; subject to a maximum of Rs 8,54,000/-	
Contingency	M.Sc/MTech ≤ 5.57% % of total cost; subject to maximum of Rs 1,11,500/- PhD-≤ 5.025% ; subject to a maximum of Rs1,00,500/-	
Institutional Overhead (10% of total cost)	maximum of Rs One Lakh only	
GRAND Total Rs		
Capital cost <Manpower < Operational Cost		

13. **Equipment available with the Institute/ Group/ Department/for the proposed programme**

Equipment available for the programme	Generic Name of Equipment	Model, Make & year of purchase	Remarks including accessories available and current usage of equipment
PI & her group			
PI's department			
With the Institute			

14. **Name & Signature of Applicant**   **Name & Signature of Mentor with seal**