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GOVERNMENT OF BIHAR
DEPARTMENT OF SCIENCE & TECHNOLOGY
(BIHAR COUNCIL ON SCIENCE & TECHNOLOGY)

PROMOTING INNOVATIONS IN INDIVIDUALS
Category: Proof of Concept/Prototypes/Models

Resolution

Subject : Policy Guidelines for Supporting Grass Root Innovators to Convert their Innovative Ideas into Prototype (field trial) Model

1.0 What is Grass Root Innovation Scheme?

- 1.1 State level Initiative for developing and harnessing Innovation - Promoting and Accelerating Young and Aspiring innovators, primarily from rural background.
- 1.2 Bihar Council on Science & Technology (BCST) will facilitate prototype funding to an innovator for a maximum amount of Rs. Three Lakhs with a cap of supporting 100 such innovators per year.
- 1.3 Bihar Council on Science & Technology (BCST) will provide a platform in their technical institution campuses of the state to the innovators funded under this scheme for developing their prototype with financial support of DST.

2.0 Policy Objective

- 2.1 To enable translation of an innovative idea of grass root rural innovator to a prototype (field trial) model.
- 2.2 To provide a platform for faster experimentation and modify approaches in the idea to prototype journey.
- 2.3 To generate innovative solutions relevant to the local and global problems.
- 2.4 To attract a large number of youth who demonstrates problem solving zeal and abilities to work on their new technology/knowledge/innovation based startups.
- 2.5 To enhance the pipeline in terms of quality and quantity of Innovative start ups to the prototype.



1259
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3.0 Role of Bihar Council on Science & Technology (BCST)

- 3.1 BCST will act like a link between technical institutions and grass root innovators.
- 3.2 Access to engineering laboratory set up by technical institutions under DST, which provides hardware, software, tinkering and prototyping facility which will be open to all innovators whose ideas will get selected.
- 3.3 Access to technical institution's faculty and network under DST.

4.0 Eligibility

- 4.1 Any Indian citizen and resident of Bihar having an innovative idea or an invention.

5.0 Scope & Support

- 5.1 Project cost up to Rs. 3.00 lakhs to help Innovators to convert their ideas into demonstrable models/prototypes. The support is primarily aimed at encouraging student innovators. However, in general, any Indian citizen and resident of Bihar having innovative idea or an invention and wishes to demonstrate his idea in the form of basic stage model/prototype/process thus providing proof to his concept can apply in this category.
- 5.2 The proposals shall preferably be in the following focus sectors: Green Technology, Clean Energy, Industrially utilizable smart materials, Waste to wealth, Affordable healthcare, Water and sewage management, any other technology or knowledge intensive area.
- 5.3 Maximum support under this category is Rs. 3.00 lakh or 90% of the approved project cost, whichever is lower. 10% of the total cost would be governed by the applicant.
- 5.4 If the innovator is below poverty line and is unable to afford even 10% margin amount, in such cases specific recommendation of IPAC, Innovation Support Fund Approval Committee may approve 100% funding.

307/258

5.5 However in exceptional cases, where innovation idea has very high impact value, higher amount of support can also be considered by the approving authority on such specific recommendation of IPAC.

6.0 Mechanism

6.1 The proposals are to be submitted to the Bihar Council on Science & Technology (BCST), Patna. The applicants can personally meet concerned official and take their advice before submitting the application.

6.2 To apply for the scheme, ideas should be clearly written/typed with brief description of the basic idea.

6.3 Should be sent through **registered post/Speed post only** to below address:

Project Director
Bihar Council on Science & Technology
Indira Gandhi Science Complex – Planetarium
Taramandal, Adalatganj, Bailey Road
Patna – 800001 (BIHAR)

6.4 The proposals initially received will be screened for completeness at the point of receipt by the Project Review Committee (PRC) constituted by Dept. of Science & Technology, Govt. of Bihar. The Dept. of Science & Technology, Govt. of Bihar will issue a notification in this regard.

6.5 The proposals after initial scrutiny will be sent for evaluation to the Project Guide (subject faculty) of concerned Govt. Engineering College/Govt. Polytechnic of the home or nearby district of the applicant.

6.6 The concerned faculty member will call the innovator/applicant to his/her institution and examine his idea/proposal for feasibility of the idea. He/she will forward the evaluated proposal to BCST with his comments for further action.

6.7 The proposals will be considered in the next meeting of Innovation Promotion Appraisal Committee (IPAC) of BCST for recommendation.



257
306

- 6.8 IPAC will meet on 2nd Tuesday (or the next day if it is a Govt. Holiday) of every quarter, i.e., January, April, July and October.
- 6.9 IPAC members of only those subcommittees concerning whose subject matter, proposals are available, will be called for quarterly meeting. BCST will intimate the IPAC subcommittee members at least three days in advance.
- 6.10 IPAC will assess the innovative idea for its technical feasibility and expected application for the society.
- 6.11 IPAC will recommend for funding only those cases which are found technically feasible for developing a prototype field trial model and which has some useful application for the society.
- 6.12 Ideas/proposals rejected by the IPAC will be dropped from further processing and the applicant will be intimated in writing indicating reasons.
- 6.13 For the ideas/proposals selected by the IPAC, the committee will also assess the funding required (divided in two stages) for developing the Prototype Model and recommend the funding support required for every innovative idea.
- 6.14 Every quarter, all the proposals/ideas recommended for funding by the IPAC will be consolidated by BCST and will be put up in file for obtaining approval of Innovation Support Fund Approval Committee.
- 6.15 The "Innovation Support Fund Approval Committee" will consist of :
 - i. Principal Secretary, Department of Science & Technology, Bihar - Chairman
 - ii. Director, Department of Science & Technology, Bihar - Member
 - iii. Project Director, BCST, Bihar - Member
 - iv. Joint Director (Sc.), Department of Science & Technology, Bihar - Member
 - v. Deputy Secretary, Department of Science & Technology, Bihar - Member

- 6.16 The sanction will finally be released in installment of 50% each to those that are approved by the Innovation Support Fund Approval Committee on the recommendation of IPAC. The applicant has to sign "Terms & Conditions" prior to the actual release of grants-in-aid. However, grant will be released to the concerned faculty member under whose guidance the innovator will work.
- 6.17 The first installment release will be based on milestones/deliverables projected in the project proposals and as recommended by IPAC. The subsequent releases are based on recommendation of Project Guide and assessment of progress of the project by Project Review Committee (PRC)/IPAC.
- 6.18 The Department of Science & Technology, Govt. of Bihar will release annual grant to BCST for the purpose, under Grass Root Innovation Scheme.
- 6.19 The approved projects will be monitored by Project Guide. The Project Guide will periodically report project status along with utilization certificate to BCST at an interval of three months. The PRCs will meet at least once in three months to review the progress of the project.
- 6.20 The project completion report will be accepted by the Competent Authority in the BCST based on PRC recommendation after successful closure of the project.
- 6.21 It is expected that normally a project will be completed with Final Prototype Model, ready for field trial in six months from the date of release of first installment. Utilization will be submitted by the project guide through respective Principal.


7.0 Limiting conditions

- 7.1 The projects relating pure software development and those involving pure academic research are not eligible.
- 7.2 The financial support is not an award or a prize or a research fellowship. The financial support is provided for the work to be undertaken.

- 255
304
- 7.3 Students will have to provide a 'No Objection Certificate' from the Head of their institutions, on the institutions' letter-head along with their application and the commitment from the institutions that the project will be taken to its logical conclusion by the student/concerned faculty.
 - 7.4 The applicant has to be a single person. When a group of students want to pursue the project, then there has to be an agreement among the group about the lead applicant. Though financial support will be given only to the single applicant by name, letter of appreciation can be given by the department to all the students of the team, after successful completion of the project.
 - 7.5 Elements like self-salary, rent of own accommodation, creation of infrastructure facility like shed etc. should not form the component of support/funds. The support funds must be used mainly for the procurement of goods and services required for development of prototype.
 - 7.6 Students pursuing long term research projects like doctoral research projects or similar projects will not be supported; however student entrepreneurs will be eligible if they have the right to commercially exploit the technology.
 - 7.7 Any institute/organization (not being a startup company) to develop an IP into prototype.
 - 7.8 Any innovators working/pertaining to an institute/organization for converting their IP into prototype.
 - 7.9 Any idea that is developed into prototype where the IP could vest with any institute/organization.
 - 7.10 Professors or Academicians engaged in teaching with any academic or R&D institute.

8.0 Document retention

8.1 The retention schedule of documents for RTI Act, 2005 may be as follows:

- Rejected or not supported Application: One Year since the date of rejection
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- Approved proposals: Three years (since the closure of the project/issuance of final sanction order).

9.0 Miscellaneous

- 9.1 The decision of Competent Authority in BCST will be final and binding upon the stake holders.
- 9.2 In case of any dispute, the liability is limited to the jurisdiction of Patna High Court only.
- 9.3 Any changes/modifications required for ensuring proper outcome of the scheme can be done with approval of the "Innovation Support Fund Approval Committee."

By order of Governor of Bihar

29.10.18

Deputy Secretary
Department of Science & Technology
Govt. of Bihar, Patna

No. BCST-RD-01/2013, 853 /Patna, Dated 7-3-2019

Copy to: State Printing Press, Gulzarbagh, Patna to publish in the special edition of Bihar Gazette. Request to print 1000 copies of the published gazette and make it available to the Department.

29.10.18

Deputy Secretary
Department of Science & Technology
Govt. of Bihar, Patna

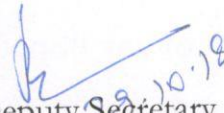
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Copy to : For information and necessary action – To all Department/Department Head/Commissioner Taxes/Managing Director, all Corporations under Department of Industries/Bihar Industrial Area Development Authority/Chief Executive Officer, Bihar

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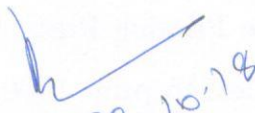
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State Khadi and Village Industries Board, Patna/Chairman, Bihar State Electricity Board, Patna/All Divisional Commissioner/All District Magistrates/All Deputy Development Commissioner/Director, Technical Development/Director, Industries/Resident Commissioner, Bihar Bhawan, New Delhi/All General Manager, DIC/Director, MSME Development Institute, Patna/Muzaffarpur.


Deputy Secretary
Department of Science & Technology
Govt. of Bihar, Patna

No. BCST-RD-01/2013, 853 /Patna, Dated 7-3-2019

Copt to : Senior Personal Secretary to Principal Secretary, Department of Science & Technology, Bihar/Director, Department of Science & Technology, Bihar/Project Director, BCST, BIRSAC, IGSC-Planetarium, Patna/Joint Director (Science), Department of Science & Technology, Govt. of Bihar/Deputy Secretary, Department of Science & Technology, Bihar/All members of the Innovation Promotion Appraisal Committee of BCST/All Registrars of Universities of Bihar/All Principals of Government Engineering Colleges and Govt. Polytechnics of Bihar.


Deputy Secretary
Department of Science & Technology
Govt. of Bihar, Patna

