



Scheme for supporting R&D in emerging fields of S&T on state priority areas under Science, Technology & Innovation (STI) Fund

**Government of Gujarat
Science and Technology Department
Government Resolution No: GCT/10/2017/424915/BT
Sachivalaya, Gandhinagar
Date: 01-12-2018**

Read: (i) DST GR No. GST/10/2017/93026/BT, Dated, 15 April 2018
(ii) DST GR No. GST/10/2017/93026/BT, Dated, 4 April 2017

Preamble:

The Govt. of Gujarat has notified the Science, Technology and Innovation (STI) Policy vide its above referred GR dated 15-4-2018. The policy aims to provide science, technology and innovation based solution for fulfilling needs of society, community and industry for faster economy development. To achieve the objectives of the STI policy, the policy in para 2.5.1 (14) recommends that research support will be enhanced in following emerging cutting-edge and high potential technologies by a dedicated STI fund:

- (i) Artificial Intelligence and Robotics
- (ii) Biotechnology
- (iii) Polymers and special materials
- (iv) Nano Technology
- (v) Internet of thing (IoT) Solutions
- (vi) Energy Storage Solutions
- (vii) Waste treatment and management solutions
- (viii) Pollution abatement
- (ix) Sustainable Habitat
- (x) Nutrition sensitive research

2. The department of Science and Technology currently funds research initiatives of scientists/ researchers for biotechnology related domain under research support scheme managed by the GSBTM. For this, a separate budget head and a separate

scheme are operational under the GSBTM. Likewise, for non-biotechnology sector, such research funding support is undertaken by the Gujarat Council of Science & Technology – GUJCOST. The current mechanism is to invite proposals from researchers based on their interest, and assistance is given after evaluation of such proposals by a technical advisory committee and approval by the Executive Committee of GUJCOST.

However, considering the State Government's intention under the STI policy to channelize research & development effort towards priority research areas and in finding solutions for specific problems of state and national importance and the commitment to support R&D as well as innovation out of STI fund, a dedicated research support scheme funded out of STI fund is the need of the hour.

RESOLUTION

In view of above preamble and to realize the objectives of the STI policy, the State Government has decided to introduce a dedicated scheme for financial support for R&D and Innovation in emerging technologies. Accordingly, the State Government constitutes Research Support Scheme as under:

- (1) The scheme will be known as Research Support Scheme for R&D (RSSR&D) in State and National Priorities.
- (2) The scheme will be funded out of the STI fund set up under the STI policy of the Government.
- (3) The RSSR&D will be managed by GUJCOST. The GUJCOST will finalize the modalities for operation and implementation of the RSSR&D and will undertake the process for necessary approvals.
- (4) GUJCOST will finalize the priority research areas and problems of State and National Importance which can be solved by applied or transnational research in Science, Technology or through innovation leading to product, process or prototype development, in consultation with concerned state departments,

organizations, agencies, academia, industries and experts in the field. In selection of state/national specific needs and high technology priorities areas, other departments and their organization can also suggest needs and areas and GUJCOST will give due consideration to such suggestions.

- (5) The proposal having exclusively biotechnology research areas, shall be dealt by GSBTM from its own scheme.
- (6) The list of priority research area and problems will be revised every three years or on need basis.
- (7) GUJCOST will, on rolling basis, notify the problems and research areas for R&D support and thereupon the researcher or a group of researchers will submit their proposals to GUJCOST. In submission of the proposal by more than one researcher for the same research as a group, one of such researcher will be indicated as the leader who will be the Principal Investigator or PI. For project approvals based on milestones, the PI will be responsible for leading the project and adhering to the milestones.
- (8) Only those researchers who work for Government owned or Government funded research institution or at nonprofit research institution or at State / Central Government universities or at UGC / AICTE approved university / colleges / institutions can apply for RSSR&D.
- (9) GUJCOST will, with prior approval of the Government, set up a Technical Advisory Committee (TAC) comprising of experts who will evaluate proposals and will recommend for research support to Executive Committee of GUJCOST.
- (10) The Executive Committee of GUJCOST will approve the financial support for the research proposals based on the recommendation of the TAC.
- (11) The upper cap for research support will be Rs 50.00 lakhs per proposal for a project duration of maximum three years. The GUJCOST may, on specific

recommendation of TAC, also approve research projects extending beyond three years subject to delineation of specific milestones for performance measurement and subject to achievement of such interim milestones.

- (12) The IP for research outcome will belong to the GUJCOST for Government of Gujarat. On request by the researcher, the IP would be licensed to the researcher or the group of researchers who worked on that project on exclusive basis for a period of three years for further development. If the researcher or the group of researchers who worked on that project do not want to take license for further three years or if having so taken the license a time period of three years has elapsed, then GUJCOST will commercialize the IP whereupon the proceeds will be shared between GUJCOST and the researcher or the group of researchers in proportion of 25%:75% basis.
- (13) If for further development or for commercialization in relation to the IP developed, if a few researchers out of the group of researchers do not show willingness, then the IP realized and its value (75% of total commercialized value after removing 25% of GUJCOST) will be shared between the researchers in proportion that they will all collectively decide. Pending a collective decision, the share of researchers will be kept as a deposit by GUJCOST and no interest will be paid to the researchers.
- (14) If in relation to the disagreement amongst researchers for appropriation of the proceeds of IP, a period of five years elapses without any formal agreement amongst all researchers for sharing of proceeds as in para 13, then the researchers will forfeit their right to claim their share of IP.
- (15) If a research project involves intake of JRF/SRF then honorarium as approved by the state government shall be payable to them.
- (16) This scheme shall be coterminous with the STI policy.
- (17) A separate cell will be set up in GUJCOST to operate and manage the scheme. The Advisor GUJCOST will be the nodal officer for implementing the scheme

and will be the Member Secretary for the Technical Advisory Committee and Executive Committee of GUJCOST.

- (18) GUJCOST will maintain a database of all research projects approved and researchers in whose respect the proposals have been approved, the research outcome, scientific approach in research management including adherence to the timelines etc. This database will be taken as performance validator in relation to grant of further research projects to the researchers.
- (19) The expenditure for creating STI fund for the said purpose shall be booked under following Budget Head:

Demand No. 90
Major Head: 3425
Sub Major Head: - 60 - Others
Minor Head: 200 - Assistance to Other Scientific Bodies
Sub-Head: 02 STP -19 Gujarat Council on Science & Technology
Detail Head: 00

These orders are issued in concurrence with the Finance Department vide its note dated 23/11/2018 on this department's file of even number.

By order and in the name of the Governor of Gujarat,



Dhananjay Dwivedi
Secretary to the Government of Gujarat
Department of Science and Technology

To

1. *Principal Secretary to Hon'ble Governor Shri, Raj Bhavan, Gandhinagar.
2. Chief Principal Secretary to Hon'ble Chief Minister.
3. Principal Secretary to Hon'ble Chief Minister.
4. Secretary to Hon'ble Chief Minister.
5. Personal Secretary to Hon'ble Deputy Chief Minister
6. Personal Secretary to Hon'ble Ministers, Government of Gujarat.
7. Personal Secretary to Hon'ble Ministers of States, Govt of Gujarat.
8. *Personal Secretary to the Leader of Opposition Party in Gujarat Legislative Assembly, Gandhinagar.

9. *Personal Assistant to all Hon'ble Parliamentary Secretaries
10. Deputy Secretary to Chief Secretary, Government of Gujarat
11. ACS/PS/Secretary to all Secretarial Departments, Govt of Gujarat
12. *Registrar, Hon'ble Gujarat High Court, Ahmedabad.
13. *Secretary, Gujarat Vigilance Commission, Gandhinagar.
14. *Secretary, Gujarat Public Service Commission, Ahmedabad.
15. *Secretary, Gujarat Legislature Secretariat, Gandhinagar.
16. *Secretary, Gujarat Civil Service Tribunal, Gandhinagar.
17. Additional Chief Secretary, Finance Department, Sachivalaya, Government of Gujarat.
18. Additional Chief Secretary, Agriculture and Co-operation Department, Sachivalaya, Government of Gujarat.
19. Additional Chief Secretary, Health and Family Welfare Department, Sachivalaya, Government of Gujarat.
20. Principal Secretary, Education Department, Sachivalaya, Government of Gujarat.
21. Principal Secretary, Industries and Mines Department, Sachivalaya, Government of Gujarat.
22. All Secretaries of Administrative Departments of Sachivalaya, Gandhinagar
23. All HODs of the Secretarial Deptt through Concerned Departments
24. VC and MD, GIDC, Udyog Bhavan
25. Industries Commissioner, Government of Gujarat
26. All Heads of the organizations under DST
27. All Universities of Gujarat
28. Pay & Account Offices, Ahmedabad/Gandhinagar
29. Account General (A&E) Gujarat, Post Box No. 2201, Rajkot.
30. Account General (A&E) Gujarat, Ahmedabad Branch, Ahmedabad.
31. Account General (Audit-1) Gujarat, MS Building, Ahmedabad.
32. Director, Account & Treasuries, Gujarat State, Gandhinagar
33. Resident Audit Officer, Ahmedabad/Gandhinagar
34. Select File.
*By Letter