



***Scheme for Technology
Demonstration and Pilot Deployment
under Science, Technology and
Innovation (STI) Fund***

**Government of Gujarat
Science and Technology Department
Government Resolution No: GCT/10/2017/424915/BT
Sachivalaya, Gandhinagar
Date: 27-12-2018**

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 Government of Gujarat has notified the Science Technology and Innovation (STI) Policy vide its 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. The STI Policy has the vision of creating a self-reliant, innovative, healthy and prosperous society living in a clean, green and sustainable environment with adequate and nutritious food, clean water and other natural resources, valuing its own and globally available knowledge base by translating science and upgrading technology for faster, inclusive and sustainable development. To achieve the objectives of the STI policy, the policy, in para 2.5.1 (9), recommends to create a dedicated STI fund to support technology developments in the priority sectors.

2. There are specific problems pertaining to service delivery by different departments and civic authorities for which a commercial solution which is relevant and workable in Indian context may not be available. There have been solutions which have been tried, tested and commercially deployed in America, Europe or elsewhere. However, due to varied conditions in India such solutions have not worked successfully as we would have desired. Such examples relate to solutions for urban waste management and treatment, environment management and pollution abatement, adoption of sensor based technologies, security solutions etc. Similarly, many startups, SMEs, Entrepreneurs create innovations which are meant only for public sector needs such as waste treatment or management etc., for which there is no private sector need and hence validation for effectiveness etc., of such innovation is not possible. However, government procurement policies with mandatory requirement on experience and turnover criteria do not allow any opportunity for such solutions to be tested for needs of government departments and in relation to the public service delivery. This limits innovation that may come out of the research labs or out of entrepreneurial efforts to meet with the needs of only the public sector.

3. Therefore, for strengthening the service delivery framework, for creating new innovative models which are specific to the service delivery obligations of the Government and the local bodies, and to support innovation in fields which currently are not served, a mechanism needs to be created that can allow the research or innovation undertaken by innovators, startups to be deployed on a pilot basis for checking its feasibility as well as its effectiveness. Sourcing of such innovations for pilot deployment cannot be undertaken through the procurement procedure which apply for procurement of goods and services by the Govt. and, therefore, a special dispensation which can objectively evaluate sourcing of such innovative technologies for pilot deployment needs to be made. Such dispensation, including the procedure for selection, needs to be similar to the research support scheme in the Govt. with only difference that instead of funding research for creation of a new technology, this funding will go for pilot deployment and testing of feasibility of the technologies which are already developed but not yet commercially available in local context.
4. An STI Fund is being operationalized under the Department of Science and Technology. The said fund will give support to undertake pilot deployment of innovative solutions for public service needs or for strengthening civic services, where commercial and mature solutions are not available or have not been tested in Indian context.

RESOLUTION

In view of the above preamble, and the vision, objectives, strategies and approaches laid out under the STI Policy of Gujarat, the Government of Gujarat is pleased to introduce this Scheme for Technology Demonstration and Pilot Deployment under STI Fund. The terms and conditions of the scheme would be as under:

- i. This fund will be used to support only pilot deployment for the purpose of technology evaluation and not for actual procurement of the technology.
- ii. Only such pilots will be taken up, subject to the criteria herein, that are useful for service delivery obligations of the Government or of the civic authorities.
- iii. For each of the pilot deployment projects, the Secretary of the respective department or head of the organization dealing with the subject matter shall recommend a proposal indicating (i) uniqueness of the project, (ii) estimated cost of the pilot project, (iii) time period for the pilot deployment and evaluation mechanism, (iv) Opinion with regard to lack of available commercial solutions or the cost advantages anticipated in the proposed pilot or efficiency advantage from the proposed solution for pilot, and (v) Technology / process innovations inherent in it.
- iv. Such proposals by the Secretary of the Department or the HoD shall be forwarded to Adviser, GUJCOST for evaluation and processing.
- v. The pilot deployment will presume availability of technology-ready for

deployment. It will not be used for testing of technology for research or development process or field trials or for development of new technology.

vi. Innovators having innovation or innovative solutions can also submit their proposals to GUJCOST directly, detailing proposed deployment plan, Government or local body organization where they propose deployment and containing information on parameters as contained should be (iii) above. GUJCOST thereon, will take opinion of the Department or the Civic Authority before processing and evaluation.

vii. GUJCOST will evaluate the proposal through a Technical Advisory Committee on the criteria of

- a. Uniqueness of the project
- b. Underlying Innovation
- c. Availability of competing commercial technologies / solutions built on other technologies
- d. Reasonability of the estimated cost for pilot deployment sought
- e. Viability of technology for scale up for the wholesome problem across geography or across the value chain

viii. The Technical Advisory Committee (TAC) of GUJCOST will be constituted in consultation with the Government. It will evaluate the pilot deployment project proposals and will give its recommendation to the Pilot Deployment Projects Approval Committee (PDPAC).

ix. The PDPAC will comprise of the following:

- a. The Chief Secretary –Chairman
- b. ACS Finance
- c. Secretary DST
- d. Secretary of the departments and/or Head of the local bodies under whose jurisdiction pilot deployment is planned
- e. Chairman of the TAC
- f. Adviser GUJCOST – Member Secretary
- g. On need basis, subject matter experts as may be invited after approval of the Chairman

x. Maximum assistance under this scheme for pilot deployment will be limited to Rs. 50.00 lakhs per pilot.

xi. The PDPAC will approve amount of assistance and will indicate schedule for disbursement, timeline for pilot deployment and milestones based on the recommendations of Technical Advisory Committee (TAC). The fund will be placed at disposal of host department/HoD/Head of Civic Authority for disbursement as per milestones and for supervision over deployment.

xii. After pilot deployment, the technology provider implementing the pilot will submit reports (Periodic and end of evaluation) to the host department/HoD/Head of Civic Authority where the pilot is being tested / deployed. The host department/HoD/Head of Civic Authority will, with its comments on success /

partial success / failure of pilot deployment submit its report to the GUJCOST. For same or similar technologies, reports from previous deployment with GUJCOST if any, will be provided to the PDPAC as well as to the TAC for evaluation of the proposed pilot deployment.

- xiii. GUJCOST will maintain a database of such pilot deployments and will maintain repository of outcomes from such deployment. GUJCOST will also maintain profiles of the Promoters / Entrepreneurs / Directors of company / proprietors / Partners of the company or firm bringing the technology for pilot deployment.
- xiv. The host department/HoD/Head of Civic Authority, upon completion of pilot submit the report on outcomes along with UTC to GUJCOST.
- xv. In relation to procurement of solutions for needs by Government authorities or by civic bodies, relaxation in prequalifying criteria (Prior experience and turnover criteria) may be granted in relation to technologies for which pilot deployment has been successful.
- xvi. This scheme shall be coterminous with the STI policy.
- xvii. A separate cell of professionals 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 Member Secretary for the PDPAC.
- xviii. The expenditure for the Technology Demonstration and Pilot Deployment will be made out of 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

- xix. These orders are issued in concurrence with the Finance Department vide its note dated 01.12.2018 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