



Call for Proposals

Under

Sophisticated Analytical and Technical Help Institutes (SATHI)

PROGRAMME



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF SCIENCE & TECHNOLOGY
TECHNOLOGY BHAVAN, NEW MEHRAULI ROAD,
NEW DELHI – 110 016

Last Date and Time of Online Submission: 30.07.2023, 5.00 P.M

Ministry of Science & Technology
Department of Science & Technology
R&D Infrastructure Division

“Sophisticated Analytical and Technical Help Institutes (SATHI) Program – 2023”

(Through Networking and Cluster Approach)

Proposals are invited through online for consideration of support under the Scheme “Sophisticated Analytical and Technical Help Institutes (SATHI)” of the Department of Science & Technology (DST), Government of India. SATHI Scheme is largely aiming at: (a) acquiring of high-end equipment and Research Infrastructure (RI) / facilities necessary for research/ testing/ manufacturing/ fabrication and to cater service by understanding the demands of researchers, scientists, students, start-ups, manufacturing units, industries and R&D Labs, (b) to provide access and sharing of scientific equipment and research infrastructure (RI), (c) Capacity building of scientific & technical manpower d) Monitoring of usage of expensive scientific research facilities for its maximum utilization and to be a part of ‘Atmanirbhar Bharat Abhiyan’ (Self Reliant India Campaign).

Inclusive purpose of SATHI is generation/ creation of knowledge adopting best practices of such facility, to promote translational research in thematic areas and to take forward to next stage to gain better societal outreach. Predominantly it would emphasize on testing, designing, prototyping, proof-of concept, manufacturing, insertion of business planner, start-ups, MSME, related engineering industries and their back & forth connectivity from R&D to industry and to boost indigenous presence comprising all level together at local and global scale. Noticeably, this would encourage & ensure to establish a National Network of Laboratories and testing facilities, tightly linked to global standards. Hence higher efficacy of SATHI through focused approach of viz: Technology, Testing, Certification & Compliance (T2C2) model will boost-up the clusters of academia as well as industries.

To promote networking among grantee agencies at local levels and to avoid duplication of research infrastructure (RI), **a consortium mode of approach with academia, research institutes, non-government organizations, S&T councils and industries** belonging to the same domain that lie in close vicinity on mutually agreeable terms of conditions of DST are encouraged to participate. A collection of grantee agencies (**minimum of 5 organizations or more, forming a cluster**) may propose to establish a SATHI facility. While heading to form a cluster one has to be acknowledged as lead organization, which will **host all equipment under one roof** among the grantee agencies and others may be co-opted as partner organization. This would not only reduce redundancy of sophisticated equipment / RI within a cluster, but also help to acquire more varieties of RI, thereby benefiting the whole cluster and that region at optimum level.

Nature of Support: The Scheme will provide optimal national level infrastructure facilities through networking / cluster mode. Prominently it will provide a shared, professionally

managed services and strong Science and Technology RI / facilities, with efficiency, accessibility and transparency of highest order **under one roof** to service the demands of faculty, researchers, scientist and students of Host and User institutes / organizations (including other academic institutes, universities, national laboratories, start-ups, manufacturing and engineering industries, SMEs, R&D Labs/organization) to enable them to carry out R&D activities. While implementing the plan of self-sustainable model, the usage of the SATHI facility will be guided by the basic principle of maximum and effective utilization and accessibility to all through I-STEM portal (<https://www.istem.gov.in/>). SATHI facility will have dedicated sections for fabrication work, rapid prototyping, material testing, characterization, new device fabrication, smart manufacturing and characterization facilities etc. If required on a round-the-clock basis with minimum down-time will also be adopted for SATHI activities. Proposal towards individual institute/ organization/ departmental R&D support would not be accepted under this scheme. The synergy and focus of research under this scheme may preferably be aligned to National Missions/ priorities approaching through thematic areas of research.

Duration: The duration of support for SATHI Project will be **for a period not exceeding 4 years.**

Eligibility: Both Government and Non-Government academic Institutions / DSIR recognized R&D centres / Organizations / Private industries with DSIR recognition are eligible to apply in cluster, while fulfilling other criteria as mentioned in the format & check-list of SATHI. For University / Degree awarding Academic Institutions / DSIR recognized R&D centres / organizations/ private industries with DSIR recognition, the support will be considered for that region in a cluster approach (at national level, if supported). The Government and Non-Government Academic Organization enjoying the previous support of SAIF/ PURSE grant of DST, has to either merge those facilities with SATHI project or **forgo** the SAIF/ PURSE grant, if recommended recently, before implementing the SATHI grant at cluster level. PRIVATE Academic University/ Institution / Organization under Not-for-Profit status would be considered as Academic Institutions (Private) option during the process of online submission of proposal.

Criteria for proposals to be considered for support under SATHI Program: -

For the host institute(s) / R&D Centre(s) / Organization(s) irrespective of their status, as Government / Non- Government, the funding pattern & its mode will be maintained at 75:25 ratio, i.e., DST share would be 75% and the management of the Government / Non-Government Grantee Institute / R&D center would need to bear 25% of the total sanctioned cost of the project through networking and cluster approach. Aiming for the sharing mode {matching-funding basis} at 75:25 ratio, {DST Share-75% and selected cluster share -25%} the upper limit of share of DST would be of Rs.60.0 crores (including both Recurring + Non-recurring). The share of 25% (of total sanctioned amount) needs to be contributed by the grantee organization as well as other cluster organization(s), from its own income sources and not from diverting the funds available under the Grant-in-aids received from other Department of

Government of India or from the CFI, GoI. The lead organization should be in a place to provide the **one roof area facility** and partner organization may participate on sharing mode of matching fund basis, while targeting to share the 25% of total sanctioned amount including both Recurring & Non-recurring heads.

Type of Support: Following funding support will be provided: -

- (1) Proposals from well established, internationally competitive S&T host institute(s) / R&D Centre(s) / Organization(s) irrespective of their status, as Government / Non-Government, from State/ Central Universities are invited through networking and a cluster approach. The upper limit of funding support from DST would be Rs 60.0 crores (including both Non-recurring & recurring grant) for 4 years duration, for acquiring only state-of-the-art national facility, **i.e., SATHI facility (For understanding of other norms/ guidelines/ clauses anyone should refer “Terms & Condition” document of SATHI comprises of ~14 pages)**. The recurring cost would be of ~07% to 10% of the total cost of Non-recurring head. A not-for-profit Section-8 company as well as Governing Body (GB) formation is compulsory in consortium mode before the support of granting agency.

Selection: The selection will be through a peer review mechanism and on-spot visit to the Host Institute / University / R&D institute / Centre / Organization, if necessary. A National Steering Committee (NSC) at apex level will assist the DST in making the final selection of any cluster to establish SATHI facility of that region, if required.

INSTRUCTIONS FOR FILLING ONLINE APPLICATION (SATHI)

Kindly go through the relevant Advertisement published at the e-PMS Portal (www.onlinedst.gov.in), under the “NEW ANNOUNCEMENT” section of this portal; Viz: <https://onlinedst.gov.in/Login.aspx#> .

To download the **Mandatory Documents** to be uploaded with the Online Proposal, you may visit e-PMS Portal (www.onlinedst.gov.in):-

- *Endorsement from Registrar of the University/Head of the Institute/ Vice-Chancellor of University / Director of Each Organization participating in cluster mode of approach (minimum 5 organizations).*
- *Signed copy of Terms and Conditions of “SATHI” program from Each Organization participating in cluster mode of approach (minimum 5 organizations).*
- *Project Implementation Group (PIG) of SATHI by networking / involving other organizations while forming a Cluster.*
- *Brief Summary of the SATHI Support*
- *Department of Science and Technology - Policy on Conflict of Interest*
- *Check-list pertaining to proposal submission to set-up (SATHI) facility*

LAST DATE FOR RECEIPT OF APPLICATION:

Online Application must be submitted by 30th JULY 2023 (up to 17.00 hours), after which the web-link will be AUTOMATICALLY disabled FOR ANY USAGE. For any enquiry, contact: Dr. Pravakar Mohanty; Email id: pravakar.mohanty@gov.in.

(Note: Please complete the online submission of proposal well in advance to avoid last day rush)

NO HARD COPY REQUIRED

PLEASE NOTE

IT IS MANDATORY TO SUBMIT THE PROPOSALS ONLY THROUGH **ONLINE MODE** (www.onlinedst.gov.in) BY THE LEAD ORGANISATION AFTER COLLECTING THE SIGNED COPIES OF T&C AND OTHER DOCUMENTS FROM EACH CO-OPTED ORGANISATIONS, AS SPECIFIED IN THIS CALL FOR SATHI PROPOSAL.
