Sub:- TSCOST – Department of Science and Technology (DST), GoI funded program – Project Related Grants (PRG) - Financial support for Minor Research Projects – **CALL FOR SUBMISSION OF PROJECT PROPOSALS** - Reg.

Ref:-
1. DST, GoI sanction order No.DST/SSTP/Core Grant-G/2019-20 (G-1), dt.21-11-19
2. TSCOST Lr. No.5/TSCOST-PRG/2019-20, dt. 16-12-2019

TSCOST called for project proposals to identify state specific problems & need based programs with remedial measures/solutions. In order to attract more proposals focusing on Location Specific Research leading to direct societal applications and requirements besides having patentable potentiality, **TSCOST extend the last date for receipt of proposals upto 29-02-2020.**
TELANGANA STATE COUNCIL OF SCIENCE AND TECHNOLOGY (TSCOST)

CALL FOR PROPOSALS FOR MINOR RESEARCH PROJECTS

File No.5/TSCOST-PRG/2019-20, DT. 16-12-2019 & 01-02-2020

LAST DATE FOR RECEIVING THE APPLICATION: 29-02-2020

Under the financial support of the Department of Science and Technology (DST), GoI, TSCOST proposes to extend financial support to minor research projects. The main objective is to identify state specific & need based programs with remedial measures/ solutions thereby to establish linkages / involve the concerned line departments, National laboratories, Universities, Institutions, R&D laboratories etc so that transfer of technology to ground could be achieved. Accordingly, TSCOST invites proposals from the academicians and researchers in the FOCUS AREAS ENCLOSED to this call. The proposal shall be evaluated (both outcome and financial aspects) strictly based on the merits only.

The outcome of the proposed project is aimed at:

- R&D in Advancement in Basic / Applied Scientific Research which has social relevance.
- Demonstration / Training projects exclusively in SC/ST areas / population
- Generation / Innovation of new technologies for commercialization
- Studies and survey for identification of local problems with a suggestion for suitable S&T intervention

Terms and Conditions:

The PI will be advised to note the following:

1. The Maximum financial support to each project is up to Rs.5.00 lakhs (Rupees Five lakhs only) and the duration of the project is expected to be not more than (1) One year.
2. While preparing the budget care must be taken that the estimate is restricted to bear minimum manpower, consumable and others.
3. The existing facilities and infrastructure may be used and need not be the part of the budget proposal.
4. The budget for permanent equipment is not allowed.
5. The Principal Investigator is requested to indicate the start and end date of the project.
6. The grant limiting to 50% of the sanctioned amount will be disbursed initially as first installment.
7. The project will be reviewed at the end of six months.
8. On receipt of half yearly Progress Report, statement of expenditure and utilization certificate of 1st installment of grant, the 40% of the grant will be released as second installment.
9. Remaining 10% will be released on receipt of required documents as final reimbursement.
10. In the event of non conducting the project or the unspent grant if any, may be refunded in favour of “The Member Secretary, TSCOST” by way of Cheque or Demand Draft payable at Hyderabad with interest.
11. If the expenditure exceeds the sanctioned amount, over and above expenditure has to be borne by the concerned PI and TSCOST/DST shall not release any more amount.
12. The Principal Investigator is expected to settle the accounts immediately on completion of the project. In case the balance grant is not claimed within one month from the date of completion of the project, the same will lapse and no representation will be entertained on this behalf.
13. The Project is not transferable in any case.
14. If the PI is transferred from his/her original place of work to another Institution, the Co-PI has to take complete responsibility to complete the project.
15. No extension of tenure is permissible under any circumstances.
16. DST, GoI, New Delhi and TSCOST should be duly acknowledged during the project period and should be written in all the brochures, banners and other publicity materials associated with the project.

LAST DATE FOR RECEIVING THE APPLICATION: 29-02-2020

If interested, please submit the application (HARD COPY) through proper channel in the PRESCRIBED FORMAT (ENCLOSED) before the last date to:

The Member Secretary
Telangana State Council of Science & Technology (TSCOST)
4th Floor, AranyaBhavan, Opp. RBI
Saifabad, Hyderabad
Tel: (040) 24619675, (040) 24600590
E-mail: secy_tscst@telangana.gov.in
Website: https://tscost.telangana.gov.in

Note:
The applications which are received through speed / registered post, courier or in person are only accepted.

The applications received through e mail, whatsup, cell phone photos, scanned copies etc., and all other means are NOT accepted and will not be considered.

Enclosures:

1. FOCUS AREAS
2. PRESCRIBED FORMAT
Focus Areas

➢ **Agriculture** – Implementation of new approaches in Seed Preservation; introduction of new crops of grains, new varieties of fruits, flowers; new methods for improvement of soil fertility, water conservation, crop yield etc. and new methods for protection of crop in association with Agriculture & Horticulture Departments, Agricultural Universities, KrishiVigyanKendras etc.

➢ **Environment Protection** – Implementation of new methods based on IoT, GPS, GIS, Remote Sensing and bio-technology etc. for control of pollution of air, ground water, soil contamination etc. caused due to mining, industries, animal slaughter houses, textile mills, handloom saree making clusters and Implementation of new methods for conversion of plastics into bio-degradable material / other re-cyclable forms to reduce the effect on environment in association with TSPCB, EPTRI, Industries Department and Handlooms & Textiles department etc.

➢ **Bio-diversity Conservation** – Identification of problem areas associated with Protection of Life systems (botanical, zoological including aquatic) on Land and under Water and implementation of suitable methods for conservation of the same in association with TSBDB and respective line departments.

➢ **Forest Conservation & Development** – Implementation of New methods based on IoT, GPS, GIS, Remote Sensing, bio-technology etc. for forest conservation & development and implementation of new varieties of plantations for feeding wood gasifiers, boilers and for other fuel needs in association with Forest Department.

➢ **Water conservation** – Implementation of new approaches for conservation/safety of Drinking water, Ground water, Water in rivers, rivulets, lakes, aquifers etc. in association with Groundwater department, RWS, Panchayats, Municipalities, Municipal Corporations etc.


➢ **Food processing** – Implementation of pilot scale plants in Food Processing, Fruit processing, Meat Processing, Fish Processing including Packaging, Marketing tie-up etc. in association with TSIIC, SERP, Rural Development Dept, Agriculture & Agricultural Marketing Dept.

➢ **Energy Conservation, Production** – Implementation of new technologies in solar, wind, hybrid power systems, micro-hydel aiming at energy conservation & production and implementation of new technologies providing scope for saving of energy in industries in association with Energy dept, NREDCAP, Industries dept. etc.

➢ Other priority areas like Medical and health, IT, Remote sensing, nano sciences, biotechnology etc.,
FORMAT FOR SUBMISSION OF PROPOSALS UNDER "PROJECT RELATED GRANT (PRG)" PROGRAMME OF DST (GOI)  
(TO BE FILED BY APPLICANT)

A. IDENTIFICATION

1. Project title

Key words

2. State :

3. Broad Area

i. S&T studies / surveys (St)  
ii. Location Specific Research & Technology Development (LSR)  
iii. S&T Demonstration Projects (DP)  
iv. Replication of Successful Models (RP)  
v. Joint S&T Programmes on specific theme (please specify) (JP)  
vi. Information Exchange & Experience Sharing (IE)  
vii. Awareness & Training on specific topic (Please specify) (TRG)

4. Duration: (number of months)

5. Total Cost:

6. Principal Investigator:

6.1 Name:  
6.2 Department:  
6.3 Designation:  
6.4 Organisation / Institution Name:  
6.5 Address (Including Telephone (Official & residence), E-mail, Fax) Pin:  
6.6 Date of Birth:  
6.7 Sex (M/F):

7. Co-Investigator:  
7.1 Name:  
7.2 Designation  
7.3 Department  
7.4 Organisation / Institution Name:  
7.5 Address (Including Telephone (Official & residence), E-mail, Fax) Pin:  
7.6 Date of Birth:  
7.7 Sex (M/F):
8. Capability of the Organisation:

(a) Expertise available
(b) List of on-going and completed projects giving the following details
Project Title
Start date
Completion date
Project Cost
Sponsoring Organisation

B. TECHNICAL DETAILS

1. Background

1.1 Description of problem
1.2 Review of work already done
1.3 Rationale for taking up the project
1.4 Relevance to State priorities
1.5 Financial resources committed at State level

2. Challenge & Constraints

Please identify strengths and weaknesses of the implementers vis-a-vis current project in terms of technical expertise, team building, past record etc. Also list the perceived opportunities and threats and describe how PI/Organisation proposes to capitalise on them or avert them.

3. Description of Proposal

3.1 Objectives of the project (Brief and to the point)
3.2 Preliminary Investigations done by organisation (if any)
3.3 S&T component in the project
3.4 Linkage with S&T Insts./NGOs/resource persons/R&D organisation/Industry for technical back-up
3.5 Other organisations working in this area
3.6 Methodology detailing stepwise activities and sub-activities

4. Work Plan
Phase-wise plan of action upto post project activities detailing time schedule Milestones may clearly be indicated. PERT/GANTT chart may be attached.

5. Output of the Project
Attempt may be made to quantify output in measurable parameters
6. Likely Impact (Please attempt to quantify)

7. Parameters for monitoring effectiveness of project

8. Suggested Post Project Activities

C. BUDGET ESTIMATES: SUMMARY

(In Rupees)

<table>
<thead>
<tr>
<th>Item</th>
<th>BUDGET</th>
<th></th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Recurring</td>
<td></td>
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<td></td>
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<tr>
<td>1. Salaries / Wages</td>
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<tr>
<td>2. Consumables</td>
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<tr>
<td>3. Travel</td>
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<tr>
<td>4. Other Costs</td>
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<tr>
<td>B. Non-Recurring</td>
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<tr>
<td>1. Permanent Equipment</td>
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</table>

Grand Total (A+B)

* Financial Year: April to Match
* Count six months from submission of the proposal to arrive at expected time point for commencement of the project
* Please provide brief justification for each head of expenditure (100 words for each)
### A.1 BUDGET FOR SALARIES / WAGES

(In Rupees)

<table>
<thead>
<tr>
<th>Designation (number of persons)</th>
<th>Monthly Emoluments</th>
<th>BUDGET</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1st Year (m.m)</td>
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<tr>
<td>Full time</td>
<td></td>
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<td>i)</td>
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<td>ii)</td>
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<tr>
<td>Part time</td>
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<td>i)</td>
<td></td>
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<td>ii)</td>
<td></td>
<td></td>
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<tr>
<td>Total</td>
<td></td>
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</tbody>
</table>

* m.m. man months to be given within brackets before the budget amount

### A.2 BUDGET FOR CONSUMABLES

(In Rupees)

<table>
<thead>
<tr>
<th>Item</th>
<th>BUDGET</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1st Year</td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>
A.3 BUDGET FOR TRAVEL

(In Rupees)

<table>
<thead>
<tr>
<th>Item</th>
<th>BUDGET</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1st Year</td>
</tr>
<tr>
<td>Travel</td>
<td></td>
</tr>
<tr>
<td>1. Local *</td>
<td></td>
</tr>
<tr>
<td>2. Out Station*</td>
<td></td>
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<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>

* Please specify

A.4 BUDGET FOR OTHER COSTS

(In Rupees)

<table>
<thead>
<tr>
<th>Item</th>
<th>BUDGET</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1st Year</td>
</tr>
<tr>
<td>a. Contingencies</td>
<td></td>
</tr>
<tr>
<td>b. Others</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>

B. 1 BUDGET FOR PERMANENT EQUIPMENT

(In Rupees)

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of equipment *</th>
<th>Estimated cost</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
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<tr>
<td>2.</td>
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<tr>
<td>Total</td>
<td></td>
<td></td>
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</tbody>
</table>

* Please give justification for each equipment
D. PROFORMA FOR BIO-DATA OF INVESTIGATORS (PI & CO PI)

A. Name :
B. Date of Birth :
C. Institutions:
D. Whether belongs to SC/ST:
E. Academic career:
   Professional career:
F. Award/prize/certificate etc won by the investigator:
G. Publication (Numbers only):

<table>
<thead>
<tr>
<th>Books</th>
<th>Research Paper</th>
<th>General articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patents</td>
<td>Others (please specify)</td>
<td></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of Project</th>
<th>Duration</th>
<th>Total cost</th>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>From</td>
<td>To</td>
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</tbody>
</table>
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I. Projects submitted

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<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of project</th>
<th>Name of Organisation</th>
<th>Status</th>
</tr>
</thead>
</table>
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(Name & Signature)

Date
Place
E. ENDORSEMENT FROM THE HEAD OF INSTITUTION
(TO BE GIVEN ON LETTER HEAD)

PROJECT TITLE:
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1. Certified that the Institute welcomes participation of Dr./Shri/Smt/Kum.......... 
................................ as the Principal Investigator and Dr./Shri/Smt/Kum....... 
................................ as the Co-Investigator for the project and that in the unforeseen event of discontinuance by the Principal Investigator, the Co-Investigator will assume the responsibility of the fruitful completion of the project (with due intimation to DST (GOI))

2. Certified that the equipment, other basic facilities and such other administrative facilities as per terms and conditions of the grant, will be extended to investigator(s) throughout the duration of the project.

3. Institute assumes to undertake the financial and other management responsibilities of the project

Name and Signature of Head of Institution

Date:
Place