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Government of Pakistan  
Ministry of Science and Technology

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12(1)/2005- ASA (IŁ-I)

Islamabad 14<sup>th</sup> April, 2020

Subject: CALL FOR JOINT RESEARCH PROPOSALS FOR THE 18<sup>TH</sup> PROTOCOL ON SCIENTIFIC AND TECHNOLOGICAL COOPERATION BETWEEN PAKISTAN AND CHINA 2020

The Public Sector R&D/ Academic organizations/ Institutions/Universities of Pakistan are requested to submit Joint Proposal(s) for Financial Support preferably in the following priority areas of common interest to both Pakistan and China for consideration under the bilateral framework of the ongoing Eighteenth (18<sup>th</sup>) Protocol on Pakistan-China Scientific & Technological Cooperation.

- i. Emerging ICT areas including cyber security, IOT, Artificial Intelligence and Robotics
- ii. Advanced materials and Nano sciences
- iii. Renewable energy technologies
- iv. Cold storage technologies
- v. Heat tolerant genes and hybrid seed technologies
- vi. Dry land agriculture and water resources
- vii. Herbal medicines
- viii. COVID 19

2. The joint proposal(s) should be submitted for cooperation with Chinese R&D Institutions & Universities through:

- Joint/ bilateral R&D projects of 1-3 year duration,
- Joint forums, workshops, seminars etc,
- Bilateral short-term visits for training and capacity enhancement of institutions, researchers, scientists etc

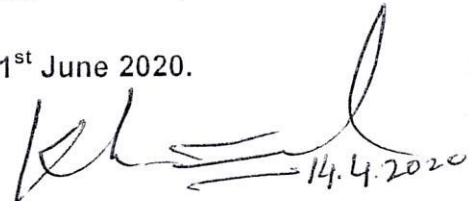
3. The submission of proposals shall be guided by the following principles:

- i. Proposals submitted should clearly identify the Chinese counterpart organization as only joint proposals shall qualify review and subsequent approval.
- ii. An Organization/ University can submit a maximum of 3 proposals.
- iii. Each Proposal should contain the *Letter of Intent* (LoI) issued by the Chinese counterpart/ partner organization.
- iv. Submitted proposals shall be jointly evaluated and vetted for quality/ viability by peer review panels of the two sides. The Proposal should

preferably be commercially viable and, upon culmination, should result in transfer and indigenization of technology.

- v. Final approval of the projects submitted in Pakistan under this bilateral framework would be subject to the approval of MoST, China.
  - vi. Upon approval/ selection, the organizations will receive joint approval by their local implementing/ funding agency (PSF in case of Pakistan) with request to submit a full project proposal to MoST.
  - vii. Successful proposals will be jointly funded by the MoST, China and PSF, Pakistan. PSF shall only pay Pakistan side of the funding.
4. The Pakistani partner should prepare the following documents and submit to this Ministry during the given timeframe:
- i. Duly filled Application Form for Joint R&D Project including:
    - a) Project Identification (**Annex-I**)
    - b) Technical information of the proposal, along with Summary of the proposal for expediency of reviewers (**Annex-II**)
    - c) Administrative and Financial information (**Annex-III**)
  - ii. The *Letter of Intent* (LoI) signed by the Chinese counterparts
  - iii. Duly filled Application Form in case of Short Term Visit (**Annex-IV**)
5. All proposals should be submitted to this Ministry in English (in hard form), and the copies of the same may be sent through E-mail as well at [khanmuhammad82@gmail.com](mailto:khanmuhammad82@gmail.com) & [ahsan\\_feroz2001@yahoo.com](mailto:ahsan_feroz2001@yahoo.com) .
6. The deadline for submission of proposal(s) is **1<sup>st</sup> June 2020**.

Encl: As Stated Above



14.4.2020

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Deputy Scientific Adviser (IL)

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**Distribution:**

1. Heads of all R&D Organizations of MoST.
2. The Secretary, Strategic Plans Division (SPD) for onward forwarding to subordinate organizations.
3. The Chairman, Higher Education Commission (HEC) for onward forwarding to all Public Sector Universities/Academia.
4. The Chairman, Pakistan Engineering Council (PEC)
5. The Chairman, Pakistan Agricultural Research Council (PARC)/ National Agricultural Research Council (NARC).
6. The Chief Executive Officer, Engineering Development Board (EDB).
7. The President PMD&C for onward forwarding to all Public Sector Medical Universities.

THE EIGHTEENTH SESSION OF CHINA-PAKISTAN COMMITTEE ON SCIENCE  
AND TECHNOLOGY COOPERATION

APPLICATION FORM FOR RESEARCH AND DEVELOPMENT PROJECT

**A. PROJECT IDENTIFICATION**

1. Title of the project:
2. Duration of the project:
3. Expected date of commencement:
4. Field of S&T covered by the proposal:
5. Key words qualifying the scope of the proposal:
6. Collaborating Institutions:

**CHINA**

Name of Project Investigator (PI):

Designation:

Name of the Institution:

Address:

Tel:

Fax:

Email:

**PAKISTAN**

Name of Project Investigator (PI):

Designation:

Name of the Institution:

Address:

Tel:

Fax:

Email:



**B. TECHNICAL INFORMATION**

1. Objectives of the Project (**Bullet wise**)
2. Justification for collaboration and short information about national and international scenario in the proposed area of research (**Not Exceeding One Page**)
3. Short scientific & technical description of the project including methodology (**Not Exceeding Two Pages**)
4. Collaboration program

Time schedule	Pakistan responsibilities	China responsibilities
1 <sup>st</sup> year		
2 <sup>nd</sup> year		
3 <sup>rd</sup> year		

5. Number of exchange visits required

Period	Pakistanis to China			Chinese to Pakistan		
	Number of visits	Number of visitors	Duration	Number of visits	Number of visitors	Duration
1 <sup>st</sup> year						
2 <sup>nd</sup> year						
3 <sup>rd</sup> year						

6. Expected results of this cooperation (e.g. joint publications, patents etc.). Are any of the expected results likely to have commercial value? How do you propose to share them? (up to 100 words)
7. Curriculum Vitae of Pakistani and Chinese investigators (the description should highlight the expertise of the PI(s) in the proposed field of work supported by citing relevant publications (to be appended no more than 2 pages).

### C. ADMINISTRATIVE & FINANCIAL INFORMATION

#### 1. Project Cost

Year		Equipment		Consumables		Contingency		Exchange Visits		Total	
		China	Pak	China	Pak	China	Pak	China	Pak	China	Pak
1 <sup>st</sup> year	Budget Requested										
	Existing resources										
2 <sup>nd</sup> year	Budget Requested										
	Existing resources										
3 <sup>rd</sup> year	Budget Requested										
	Existing resources										
Total	Budget Requested										
	Existing resources										

#### 2. Declaration from the Heads of the collaborating Institutions

*It is certified that*

- i) The Institution agrees to participate in this Joint Research and Development Project,
- ii) The Institution will provide infrastructure & necessary facilities for implementing the joint project,
- iii) The Institution agrees to provide Managerial and Technical support for the part of the project work to be carried out at the institution, and
- iv) All the information given in this application is true and correct.

**Signature & Seal of the Head of the Institution(s)**

THE EIGHTEENTH SESSION OF CHINA-PAKISTAN JOINT COMMITTEE  
ON SCIENCE AND TECHNOLOGY COOPERATION

APPLICATION FORM FOR SHORT TERM VISIT(s)

Project Title:  
Team Size:  
Duration:  
Implementing Date:  
Dispatching Agency:  
Contact Person:  
Tel:  
Fax:  
Email:  
Receiving Agency:  
Contact Person:  
Tel:  
Fax:  
Email:

**REASONS FOR THE PROPOSED PROJECT**

(Please indicate the purpose of the visit, the role and significance of this project in R&D activities, respective R&D level in this field and benefits that will be brought by this project to both sides.)