PUNJAB AGRICULTURE RESEARCH BOARD

HIGH PRORITY RESEARCH AREAS UNDER DIFFERENT THEMES-2009

High Priority research areas on which researchers can bid for their proposals of both crop and livestock sectors are listed in order of priority under each Theme. All proposals will compete separately at the theme level. The relative importance of the themes is indicated in percentage terms in the parentheses. Letter “A” denotes Crop Sector, “B” denotes Livestock Sector and “AB” denote both Crop and Livestock Sectors.

Before preparing the research proposal to submit to PARB for funding, please note that:

Only Applied Research projects are accepted in PARB. We define applied research where certain machines or chemicals are modified, germplasm is improved or varieties are developed, processes are modified or improved, pests control is developed, standards are developed, or information is generated for the immediate use under the Punjab conditions by our stakeholders.

We don’t accept Development projects. We define development projects where already developed technology, such as machine, chemical, variety, process, standards, information, etc. is proposed to be promoted to the stakeholders.

Procedure for Funding of Research Projects by PARB

1. Priority research areas shall be identified by Planning and Programming Division of PARB in consultation with the stakeholders.
2. Chief Executive shall solicit the research proposals from the research organizations through advertisement in national press and on Board’s website.
3. The projects shall be submitted on the format prescribed by PARB.
4. Any public sector, Punjab-based organization can compete for the project grant. However, the collaborator(s) in the project can be from any public or private sector organization from any part of the world. In such
cases the project document shall clearly identify the activities and budget for each collaborating unit/organization.

5. Initial scrutiny of every project shall be conducted at PARB level to see whether
   a) it addresses one of the high priority issue identified by PARB;
   b) provide reasonable scientific methodology to resolve the issue and;
   c) Furnish monitorable indicators. Any project not meeting the said criteria shall be rejected and Project Manager (PM) shall be informed accordingly.

6. After successful initial scrutiny at PARB level, a Technical Working Group (TWG) for each project comprising of three renowned scientists of the relevant field shall review the project for its feasibility and soundness of the proposed scientific methodologies. If three scientists of the relevant field are not available, to be verified by Executive Committee, a TWG comprising of two members shall review the project.

7. The members of TWGs, their TORs, selection criteria of TWG members, and project evaluation criteria shall be approved by the Executive Committee. The roster of experts for TWGs shall be maintained and updated after inviting the expression of interest from the scientists periodically.

8. Projects competing for the similar objective may be reviewed by the same TWG.

9. After TWG clearance, the Executive Committee shall select the best projects based on:
   i. Competence of the scientists and the institution.
   ii. Time frame to achieve the targets.

10. The projects cleared by the Executive Committee shall be placed before the Board for final approval. Board shall have powers equivalent to the DDSC for approval of the projects.

11. To cover delays in fund releases at the beginning of the financial year, one time release of Rs. 300 million, in case of CGS funding, and at least 10% of the total cost of any other project, as block allocation, shall be provided from the project funds and placed in a scheduled bank of
Pakistan which shall be recouped periodically, and accounts of the same shall be presented to the Executive Committee on quarterly basis.

12. A contract shall be signed between Board (through Chief Executive) and Project Manager (PM), team leader of the collaborating scientists of each unit, and head(s) of the respective institution(s).

13. The released budget of all the approved projects shall be placed in Board Fund Account for subsequent transfer to PMs as per phasing of the respective project.

14. The pay package of the Research Associates and other support staff shall be as per provision of the approved PC-1 of the project.

15. The Head of Institution shall constitute a three member Selection Committee for the recruitment of Research Associates with Project Manager as Committee’s Convener. The incentives to be provided to the scientists and institutions shall be as per provisions of the approved PC-1 of the project. The incentives shall be paid annually subject to satisfactory progress of the project.

16. Each member of the TWG shall be paid honorarium as prescribed in the approved PC-1, for evaluation. He shall also be paid TA/DA for subsequent meetings, if need arises.

17. Foreign collaborating scientists, while visiting Pakistan for project activities as approved in PC-I, shall be paid in local currency on actual basis for air ticket and per diem at the rate as permissible to Category-II officers of the Govt. while visiting London, to cover hotel charges and personal expenses.

18. The local scientists during their foreign official visits, as approved in PC-I, shall be paid according to the Govt. Rules.

19. The bench fee, if charged by the foreign host institutions from Pakistani visiting scientists during their visit for approved project activities, shall also be chargeable from the project.

20. The import of technologies for local adaptation shall be allowed as per provision of the approved project.
21. CE shall have full administrative and financial powers to sanction/release funds to PMs.

22. The PM shall keep project funds in a joint account for each project, to be opened in a scheduled bank, in the name of PM and head of the host/main institution or his nominee as the case may be. The PM shall transfer the budget to each collaborating unit through a crossed cheque/bank draft. The collaborating units shall maintain their accounts in a similar manner as prescribed for the PM.

23. The Project Manager and Team Leader of collaborating scientists shall have full administrative and financial powers to implement the project.

24. Board shall have full powers to modify or terminate any project, on the recommendation of the Executive Committee (EC), at any time if its performance is observed to be unsatisfactory. Before recommending modification or termination, the EC shall seek technical opinion from the respective TWG.

25. Chief Executive shall have full powers to get the audit of the projects conducted annually or special audits as per prescribed procedure.

26. Chief Executive shall have full powers to get the monitoring and evaluation of any project conducted as per agreed schedule of the project milestones.

27. Progress of PARB Funded research projects shall be placed before the Board on biannual basis.

- Funds available to attend International Conferences/ Workshops/ Seminars

PARB has some funds to sponsor Scientists from Punjab based Research & Education Institutions to attend and present agriculture related research papers in International Scientific Conferences/ Workshops/ Seminars/ Symposiums etc.

Criteria for funding Workshops and Seminars

1) Eligibility criteria:
a) The scientist must be working for a public sector agriculture (Crops or Horticulture related), Livestock, Dairy, Forestry or Fisheries research or educational institution of the Punjab.

b) The recommendation of Head of the Institution of the applicant shall be a pre-requisite for funding.

c) He/she must have not availed such facility during the last 6 months with PARB funds.

2) **Funding criteria;**

a) He must be visiting to present an accepted agriculture (Crops or Horticulture related), Livestock, Dairy, Forestry or Fisheries related research paper in an announced international conference/seminar/workshop/symposia etc.,

b) The conference/seminar/workshop/symposia etc. must relate to his job and his field of specialization

c) Funding shall be approved by the Executive Committee.

Cost calculation, Funding Foreign Trips, Approval of Foreign Visits and Post Visit Report proforma’s are available on the [www.hec.gov.pk](http://www.hec.gov.pk) website.

- **Sponsorships For Holding Agriculture Related Scientific Conferences/ Workshops/Seminars.**

PARB has some funds to sponsor holding of agriculture related scientific conferences/ workshops/seminars/symposia. Scientific Research & Education Organizations are encouraged to apply for funding. The last dates will be 30th June and 31st December every year. Funds will be provided on merit, criteria and merit policy and application proforma are available on the HEC website. For details please visit the [http://parb.punjab.gov.pk/FundingWorkshopsSeminars.htm](http://parb.punjab.gov.pk/FundingWorkshopsSeminars.htm).