



# ANNUAL REPORT

## 2012-2013



National Agriculture Education  
Accreditation Council

## **ABOUT NAEAC**

### **Background**

National Agriculture Education Accreditation Council (NAEAC) was established in 2006 by Higher Education Commission (HEC) vide notification 1-4/AGR/QAA/2006-07 dated February 11, 2006 with the mandate to carry out a comprehensive program of accreditation of agriculture degree programs in private and public sector agriculture education institutions in Pakistan. The overall objective of accreditation is to improve the capacity of institutions in the form of academic and physical infrastructure in relation to the set targets.

Accreditation is a mandatory process for all relevant academic programs offered by public and private sector institutions. The purpose of such accreditation is to enhance recognition of the institution in the agriculture community and prospective students/employers. All institutions in Pakistan which provide a recognized agriculture degree are required to apply to the Council to have such degree programs accredited. The NAEAC is responsible for the accreditation of educational programs leading to degrees in the agriculture disciplines. All agriculture degree programs (except veterinary sciences) comprising about fifteen (15) disciplines of agriculture fall under the purview of the Council.

### **Functions**

The major functions of the National Agriculture Education Accreditation Council are to:

- Organize and carry out a comprehensive program of accreditation of agriculture programs leading to degrees/diplomas based on approved policies, procedures and criteria, and publish a list of ranking of degree programs.
- Develop accreditation policies, processes, guidelines, and procedures for program evaluators.
- Approve the list of evaluators selected through an approved criteria to participate in the process of accreditation of academic programs and constitute Accreditation Inspection Committees (AICs) from approved list of evaluators.
- Develop program evaluator's training manual/self study material, questionnaire, forms and templates.
- Collect information and statistics on accredited programs of higher education of agriculture and its respective institutions and publish them as deemed necessary.

### **Secretariat**

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## **ACRONYMS**

AIC	Accreditation Inspection Committee
BOF	Board of Faculty
BOS	Board of Studies
C&T	Curriculum and Training
DDG	Deputy Director General
E.D	Executive Director
GRE	Graduate Record Examination
HEC	Higher Education Commission
HEIs	Higher Education Institutions
HOD	Head of Department
IBGE	Institute of Biotechnology & Genetic Engineering
ICT	Information Communication Technology
IT	Information Technology
KPK-AUP	Khyber Pakhtunkhwa Agricultural University, Peshawar
M.D	Managing Director
NAEAC	National Agriculture Education Accreditation Council
P.Es	Program Evaluators
PMASAAUR	Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi
QAA	Quality Assurance Agency
QEC	Quality Enhancement Cell
QPR	Quarterly Progress Report
R&D	Research and Development
SAR	Self Assessment Report
SAUT	Sindh Agriculture University, Tandojam
SWOT	Strengths, Weaknesses, Opportunities and Threats
TOR	Terms of Reference
UAF	University of Agriculture, Faisalabad

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## **CHAIRMAN'S MESSAGE**

I am pleased to report that the National Agriculture Education Accreditation Council (NAEAC) continues to demonstrate high standard of performance in achieving its objectives and operational targets. During 2012-13, it accredited a record number of 65 degree programs thereby achieving the 5-year target of accrediting all the 170 degree programs offered by 15 agriculture education institutions in Pakistan. The target was set in 2008-09 by HEC so as to complete by 2012-13, the first round of accreditation of all the 170 agriculture degree programs. The Council Members and the Secretariat Staff deserve commendations in achieving these land mark targets.



The objectives of the accreditation is to improve the quality of education, enhance the capacity of institutions, and upgrade teaching and research infrastructure to achieve sustained improvements in academic standards. The Council helped achieve these objectives through the process of external evaluation and accreditation of degree programs offered by the agricultural education institutions in the country. It also organized training programs for the evaluators/experts on latest techniques of evaluation and accreditation. Also it held awareness seminars for faculty and students on its accreditation policy framework to discuss the need and process of accreditation. It developed strong interaction with the stakeholders, including the teaching faculty, students, alumni, employers and parents through implementation of its communication strategy. In particular it issued Parent Alerts in major newspapers for information of all the prospective students and parents on the status of accreditation of the degree programs at various agriculture education institutions in Pakistan.

The other important features of NAEAC accreditation programs are transparency of decision making, selection of program evaluators/experts, program accreditation, and documentation of the findings of Accreditation Inspection Committees (AICs). To this end, NAEAC has been meticulously implementing the good practices developed by HEC for quality assurance and accreditation as part of its accreditation framework. The Council continues to strive in making the accreditation process technically sound, participatory, fair and transparent.

Concludingly, it is my pleasure and privilege to acknowledge the guidance and support of HEC management, the Council Members, M.D. Quality Assurance Agency of HEC, the Vice Chancellors, Deans and Heads of Department concerned including the Heads of Quality Enhancement Cell (QEC). Last but not the least, I commend the excellent work of Secretary and Staff of NAEAC Secretariat for achieving the operational targets and exercising due diligence and financial prudence in the use of resources.

A handwritten signature in black ink, appearing to read "M.E. Tusneem".

**Dr. M.E.Tusneem**  
Chairman-NAEAC

## **EXECUTIVE SUMMARY**

The Higher Education Commission of Pakistan (HEC) attaches high importance to quality assurance and capacity enhancement of degree awarding institutions and has established four Accreditation Councils with the mandate to undertake accreditation of all degree programs offered in the country. The National Agriculture Education Accreditation Council (NAEAC) is one of the four such Councils dedicated for the accreditation of agriculture degree programs based on standards, procedures and criteria set by HEC. The accreditation of the degree programs is based on external evaluation of the quality of faculty, curriculum, teaching/learning resources and methods on the one hand and the adequacy of physical infrastructure on the other. As of June, 2013, NAEAC has accredited 170 degree programs offered by 15 agriculture education institutions country-wide. NAEAC is the first such Council of HEC to have completed the target within a time frame of 5 years set in 2008-09. The data and information about NAEAC are shared with stakeholders on NAEAC website and in the form of various reports and other outreach sources. Important among these include: Awareness Seminars at the Universities and Colleges concerned, Annual Reports of NAEAC, Quarterly Progress Reports, Council Meetings, On-Site Visits, Press Releases, and Parent Alerts.

The Council carries out accreditation of degree programs on the basis of self-assessment reports of the degree programs submitted by the institutions concerned and the external evaluation reports prepared by the Accreditation Inspection Committees (AICs) in line with Council's /HEC approved procedures. The Council enjoys full autonomy in carrying out its functions and takes independent decisions based on-merit. The Council ensures high quality and transparency in all its operations and procedures and is accountable to HEC.

During 2012-13, the Council set a target to complete its first round of accreditation activities. The Accreditation Inspection Committees (AICs) were setup to visit 11 education institutions to undertake accreditation of the remaining 60 degree programs. These included, 2 at University of Agriculture, Faisalabad; 8 at Sindh Agriculture University, Tandojam; 2 at PMAS Arid Agriculture University, Rawalpindi; 3 at University of Karachi, Karachi; 10 at Faculty of Agriculture, University of Poonch, Rawalakot, AJK; 2 at Faculty of Agricultural Sciences, Allama Iqbal Open University; 10 at Faculty of Agriculture, Gomal University, Dera Ismail Khan; 6 at University College of Agriculture (UCA), Bahauddin Zakriya University, Multan; 4 at UCA & Environmental Sciences, Islamia University, Bahawalpur; 10 at UCA, Dera Ghazi Khan; 3 at UCA, University of Sargodha, Sargodha. The accreditation process followed the evaluation criteria and standard procedures approved by the HEC. In accordance with the NAEAC's accreditation framework, the AICs comprising three experts including two external experts and the Secretary of NAEAC were constituted for accreditation. As of 30 June 2013, it has completed accreditation of 65 degree programs during 2012-13 against the target of 60 degree programs and first round of evaluation of all the 170 degree programs offered in agriculture by the agricultural education institutions in the country.

The Council has more than 15 disciplines under its purview. This requires the maintenance of relatively large and updated roster of program evaluators (PEs)/experts. As of now, about 123 evaluators/experts covering all major disciplines of agriculture are on the NAEAC Roster of Experts. These are drawn from academia, research and agro-industry. Orientation workshops were organized for PEs to sensitize them about latest developments in accreditation procedures, and improve their technical and analytical skills in carrying out accreditation process more competently in a transparent and neutral manner. During 2012-13, a three-day training workshop was organized in December, 2012 (30 program evaluators/experts representing all agriculture degree awarding institutions in the country including senior professors, scientists and business executives of agro-industry). An international resource person Prof. A.H. Cobb, Emeritus Professor of Plant Science, United Kingdom was engaged to conduct the training program under HEC auspices.

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## I. INTRODUCTION

1. Quality Education is sine qua non for socio-economic and cultural development of Pakistan and central to nation-building. Sustained high quality of higher education of agriculture is must for creating a knowledge economy, science-based development, productive employment and well-being of people. Accreditation is prerequisite for quality assurance and quality enhancement. The National Agriculture Education Accreditation Council (NAEAC) of HEC is responsible for evaluation and accreditation of agriculture degree programs delivered by the agriculture education institutions, based on HEC prescribed criteria/standards. The relevant institutions are required to undertake self-assessment and develop plans to achieve and maintain these standards through internal monitoring and evaluation. External evaluation is carried out by NAEAC to determine the accreditation rating viz: W, X, Y, and Z, where 'W' is the highest level of quality and Z lowest. For purposes of evaluation, the Council maintains a roster of experts/external evaluators comprising distinguished professors, researchers, and agro-industry executives. They are required to participate in the HEC orientation workshops so as to familiarize with the latest evaluation techniques and accreditation processes. The requirements of accreditation and schedules of on-site accreditation visits are discussed and agreed with the institutions concerned. The accreditation is undertaken jointly with the institutions concerned and the results are submitted to the Council for approval and dissemination to stakeholders.
2. The quality assurance and improvement requires continuous monitoring. Accreditation rating is a measure of quality. The accreditation of all the graduate and post-graduate degree programs by the Higher Education Commission (HEC) is mandatory to ensure the quality of degree programs offered. Accreditation has become a vital measure of quality both internationally and nationally for the professional success of institutions and their graduates. The purpose of accreditation is to assess the capacity of the institutions, its faculty, curricula, learning resources and infrastructure to deliver degree programs as per HEC's prescribed standard. Accreditation helps enhance the quality and recognition of respective degree programs at the national and international level and enhance opportunities for graduates to compete for admissions, scholarships, and employments at international level.

## II. ACCREDITATION ACTIVITIES:

3. Accreditation of degree programs is carried out by the Accreditation Inspection Committee (AIC) based on the evaluation criteria approved by HEC covering all important aspects of a degree program and include: (i) strength and quality of faculty; (ii) curriculum design and development; (iii) infrastructure including teaching and learning resources; (iv) students support and progression; (v) research and consultancy; (vi) governance and leadership; and (vii) innovative practices. Each criterion has a number of sub-criteria and scoring system. Detailed description of each criteria and scoring/rating matrix is given in the NAEAC Evaluation Manual for Program Evaluator and outlined in the Annexure-I for ready reference. As of June 2013, NAEAC has accredited 170 degree programs at 13 agriculture education institutions;

thereby completing the first round of accreditation. NAEAC is the first such Council to have completed the target within a time frame of 5 years set by HEC in 2008. During 2012-13, it accredited record number of 60 degree programs at 11 institutions. These are discussed below.

#### **A. Faculty of Agriculture, University of Poonch, Rawalakot**

##### **(i) Degree Programs in Agronomy<sup>1</sup> (BSc & MSc)**

4. Accreditation activities at Faculty of Agriculture, University of Poonch, Rawalakot covered five disciplines (Agronomy, Soil Science, PBG, Horticulture and Food Science) with ten degree programs for BSc (Hons) and MSc (Hons). Five Accreditation Inspection Committees (AICs) for these disciplines were constituted of each comprising two external experts selected from the roster of Program Evaluators (PEs) and the Secretary of NAEAC. AICs on-site visits were carried-out on October 16-17, 2012.

5. On the basis of overall score of 64%, the degree programs (BSc & MSc) of Agronomy was accredited and rated in the category 'Y1' implying degree programs not meeting the major criteria. The major strengths and weaknesses of these are outlined below:

**Strength:** (i) Adequate faculty strength of seven members including five PhD's having expertise in the relevant disciplines.



AIC Visit to Department of Agronomy, Rawalakot

**Weaknesses:** (i) Inadequate infrastructure such as Laboratories, Library books and Journals; (ii) Insufficient space for faculty offices, class rooms, and recreation rooms; and (iii) Unsatisfactory teaching-learning due to inadequate facilities such as internet, multimedia and white board, etc.

##### **(ii) Degree Programs in Soil Science<sup>2</sup> (BSc & MSc)**

6. Based on the assessment of Program Evaluators (PEs), with a score of 72%, the degree programs were placed in category 'X2' of HEC indicating minor shortfalls.

**Strengths:** (i) Ten faculty members including PhDs with good teaching-learning environment; and (ii) Well-equipped labs. with most of the equipment fully operational.

<sup>1</sup> The AIC on Agronomy comprised of Prof. Dr. Muhammad Ashraf (Retd), PMAS AAU, Rawalpindi and Dr. Rashid Ahmad Shad, CSO (Retd), NARC Islamabad and Secretary NAEAC.

<sup>2</sup> The AIC on Soil Science comprised of Prof. Dr. Safdar Ali, Dean PMAS AAU, Rawalpindi and Mr. Tahir Saleem, Ex Project Director, NFDC, Islamabad and Secretary NAEAC.

**Weaknesses:** (i) Inadequate green house /glass house and field testing facilities; (ii) Weak linkages between the faculty and agro-industries; lab. Staff lacking requisite qualifications and experience.

### (iii) Degree Programs in PBG<sup>3</sup> (BSc & MSc)

7. The degree programs received 79% score from the AIC with accreditation in category 'X1' implying programs having minor shortfalls, but with potential to improve.

**Strengths:** (i) Well qualified faculty of eight including four PhDs and impact factor publications; and (ii) well-equipped Labs. with necessary operational equipment required for advance biotechnology teaching and research.

**Weaknesses:** (i) Inadequate greenhouse and controlled environment facilities; (ii) qualified and trained lab. staff is inadequate; (iii) Limited number of research Journals, insufficient for review and reference.

### (iv) Degree Programs in Horticulture<sup>4</sup> (BSc & MSc)

8. Based on score of 69%, the degree programs of Horticulture discipline are placed in category "X3" of accreditation of NAEAC.

**Strength:** (i) Qualified and experienced faculty of eight including four PhDs.

**Weaknesses:** (i) Inadequate infrastructure and learning resources for post-harvest and tissue culture; and (ii) Non-availability of trained lab/support staff; and (iii) Insufficient farm area, plastic tunnels and growth chambers, etc.



AICs with the Faculty of Agriculture, Rawalakot

<sup>3</sup> The AIC on PBG comprised of Prof. Dr. Muhammad Munir, Ex-Dean, PMAS AAU, Rawalpindi and Dr. Naazar Ali, CSO (Retd), NARC, Islamabad and Secretary NAEAC.

<sup>4</sup> The AIC on Horticulture comprised of Mr. Hashim Laghari, CSO (Rtd), NARC, Islamabad and Dr. Ishfaq Ahmed Hafiz, PMAS AAU, Rawalpindi and Secretary NAEAC.

**(v) Degree Programs in Food Science<sup>5</sup> (BSc & MSc)**

9. The Assessed score of 62% suggest accreditation of degree programs in category 'Y1' of NAEAC, indicating degree programs do not meet some of the major criteria of HEC.

**Strength:** (i) Teaching faculty consists of six members having two Professors, two Assistant Professors and two Lecturers.

**Weaknesses:** (i) Grossly Inadequate Lab. facilities for offering degree programs in Food Science; (ii) Non-availability of requisite laboratory equipment for under-graduate and post-graduate work; (iii) Limited space for faculty offices, class rooms and departmental library with few books; and (iv) Paucity of funds for purchases and repair & maintenance work.

**B. PMAS Arid Agriculture University, Rawalpindi****(i) Degree Programs in Agriculture Extension<sup>6</sup> (BSc & MSc)**

10. Based on the assessment, the AIC recommended the accreditation of degree programs in category 'Y3' showing serious deficiencies in meeting the set criteria.

**Weaknesses:** (i) Serious shortage of teaching faculty of all cadres; (ii) Non-availability of requisite learning resources; (iii) Shortcomings in the scheme of studies, overlapping, inadequacy of contents, unsatisfactory internship program, etc; and (iv) Limited amount of reference material including books, Journals.



AIC Visit to Agriculture Extension, PMAS AAU, Rawalpindi

<sup>5</sup> The AIC on Food Science comprised of Prof. Dr. Tariq Masud, PMAS AAU, Rawalpindi and Secretary NAEAC.

<sup>6</sup> The AIC on Agriculture Extension comprised of Prof. Dr. Sher Muhammad, University of Agriculture, Faisalabad and Prof. (Retd) Fazal Karim Rajput, Ex-Dean SAU, Tandojam and Secretary NAEAC.

**C. University of Agriculture, Faisalabad (BSc & MSc)**

**(i) Degree Programs in CABB<sup>7</sup>**

11. The AIC on the basis of their evaluation recommended the degree programs in ‘W3’ category, i.e. fully meeting the set criteria of HEC.

**Strengths:** (i) Qualified, enthusiastic and relatively young faculty with PhDs; (ii) Adequate teaching and research facilities and resources and faculty members have publications and impact factor journals; and (iii) Impressive intake of students in short span of time.

**Weakness:** (i) The library and IT facilities need further improvements.

**D. Allama Iqbal Open University, Islamabad**

**(i) Degree Program in Agri. Extension<sup>8</sup> (MSc)**

12. MSc (Hons.) degree program in Agri. Extension is rated in lower band of category ‘X3’ with 66% score showing minor shortfalls.

**Strength:** (i) Degree program has adequate infrastructure, learning resources and operational budget.

**Weaknesses:** (i) Shortcomings in the scheme of studies; (ii) practical sessions are hardly conducted to demonstrate extension skills to students; and (iii) insufficient text and reference books relevant to the courses offered.

**(ii) Degree Programs in Forestry Extension<sup>9</sup> (MSc)**

13. The degree program MSc (Hons) is rated in upper band of ‘Y1’ with 60% points indicating that it does not meet some of the major criteria.

**Strength:** (i) Adequate infrastructure consisting of class rooms, faculty offices, seminar room and computer labs.

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<sup>7</sup> The AIC on Centre of Agricultural Biochemistry and Biotechnology(CABB) comprised of Prof. Dr. Hidayat ur Rehman, KPK Agricultural University, Peshawar and Dr. Shahid Masood, Member PARC, Islamabad .

<sup>8</sup> The AIC on Agri. Extension comprised of Prof. Dr. Sher Muhammad, University of Agriculture, Faisalabad, Prof (Retd) Fazal Karim Rajput, Ex-Dean, SAU, Tandojam and Secretary NAEAC.

<sup>9</sup> The AIC on Forestry Extension comprised of Prof. Dr. Sarwat Naz Mirza, PMAS AAU, Rawalpindi, Dr. Ahmad Hussain, University of Haripur and Secretary NAEAC.

**Weaknesses:** (i) Serious shortage of full-time and regular faculty; (ii) curriculum of forestry extension program needs substantial improvement to make it relevant and demand oriented; and (iii) lack of students exposure to field conditions and little opportunities for participation in seminars and conferences.

**(iii) Degree Program in Livestock Management<sup>10</sup> (MSc)**

14. On the basis of assessment, the degree program is awarded 62% points and placed ‘Y1’ category of accreditation suggesting that it does not meet some of the major criteria.

**Strength:** (i) Adequate infrastructure and learning resources for offering MSc Livestock Management degree program.

**Weaknesses:** (i) Curriculum for the degree program being old needs substantial revision; and (ii) Updating insufficient size of only two faculty members including one PhD with least relevant qualifications.

**E. University of Karachi, Karachi**

**(i) Degree Programs in Plant Protection<sup>11</sup> (BSc & MSc)**

15. Having been attained 59% score, the degree programs in plant protection are accredited in category ‘Y2’ implying programs are deficient of some of the major criteria.

**Strength:** (i) Availability of adjunct faculty drawn from local universities and research organizations.

**Weaknesses:** (i) Serious shortage of full time/regular faculty for degree programs; (ii) Grossly inadequate lab., library and referencing material; and (iii) Non-availability of any experimental farm and controlled environment conditions for graduate research.

**(ii) Degree Programs in Food Science and Technology<sup>12</sup> (BSc & MSc)**

16. The degree programs of Food Science and Technology have been rated in category ‘X3’ with 69% score suggesting minor shortfalls. A brief account of major strengths an weaknesses is as follows:

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<sup>10</sup> The AIC on Livestock Management comprised of Dr. Muhammad Ashraf Mirza, CSO (Retd), NARC, Islamabad and Dr. Abdul Ghaffar, PSO, NARC, Islamabad and Secretary NAEAC.

<sup>11</sup> The AIC on Plant Protection comprised of Prof. Dr. Ghulam Jilani, Lasbella University of Agriculture, Water & Marine Sciences, Lasbella, Prof. Dr. M. Ibrahim Keerio, SAU, Tandojam.

<sup>12</sup> The AIC on Food Science comprised of Prof. Dr. Saghir Ahmed Sheikh, SAU Tandojam, Dr. Saeed Akhtar, BZU, Multan.

**Strength:** (i) Out of 11 faculty members, 5 are full-time /regular and 6 part-time teachers having expertise in various areas of Food Science.

**Weaknesses:** (i) Lack of Food processing unit and cold storage units, etc.; and  
(ii) Insufficient text books, reference books, limited subscription for Food research Journals.

### (iii) Degree Program in Agri. Business Management<sup>13</sup> (MSc)

17. Degree program of Agri. Business Management is rated in category 'Y2' with 59% score indicating that the program do not meet some of the major criteria of HEC.

**Strength:** (i) The degree programs are offered on self-finance basis.

**Weaknesses:** (i) Inadequate full time /regular faculty needed for offering degree programs; (ii) Unsatisfactory research-teaching facilities and requisite infrastructure such as class room, faculty offices, etc.; and (iii) Insufficient learning resources including departmental library, books, research journals and magazines.

## F. University College of Agriculture, Dera Ghazi Khan (CADGK)

### (i) Degree Programs in Agronomy<sup>14</sup> (BSc & MSc)

18. On the basis of the external evaluation, the AIC recommended accreditation of degree programs of agronomy at CADGK in category 'Y2' with 55% score as per HEC rating implying degree programs not meeting some of the major criteria. Major strengths and weaknesses are outlined below:

**Strength:** (i) Six out of nine faculty members hold PhD degree comprising six assistant professors and three lecturers with average teaching experience of 10 years.



AICs visit to UCA, D.G. Khan

<sup>13</sup> The AIC on Agri. Business Management were Dr. Heman Das Lohano, IBA Karachi and Mr. Ameer Rizvi, IBA Karachi.

<sup>14</sup> The AIC on Agronomy comprised of Prof. Dr. Bismillah Khan, BZU, Multan and Dr. Abdul Khaliq, University of Agriculture, Faisalabad and Secretary NAEAC.

**Weaknesses:** (i) Inadequate teaching-learning resources and facilities including poorly equipped class rooms, faculty offices and internet facilities; and (ii) insufficient number of text books and reference material with hardly any subscribed journal on Agronomy and unsatisfactory field research facilities for graduate students.

#### **(ii) Degree Programs in Soil Science<sup>15</sup> (BSc & MSc)**

19. The AIC assessed the degree programs in category 'Y1' with 60% score suggesting that programs do not meet some of the major criteria of HEC.

**Strength:** (i) Competent and hardworking teaching faculty of five with three PhDs with adequate teaching experience.

**Weaknesses:** (i) Lack of necessary teaching and research lab. facilities for degree programs; (ii) Very few faculty offices, small lecture rooms without multi-media and whiteboard facilities; and (iii) improper and limited facilities at the experimental farm with no greenhouse provision.

#### **(iii) Degree Programs in Horticulture<sup>16</sup> (BSc & MSc)**

20. AIC recommended the rating of degree programs of Horticulture at CADGK in category 'Y3' of accreditation with deficiency of some of the major criteria; with the following major strength and weaknesses:

**Strength:** (i) Available faculty is enthusiastic to guide and teach students.

**Weaknesses:** (i) Grossly in-adequate teaching faculty, only three members having one PhD; (ii) Infrastructure absolutely unsatisfactory with one laboratory having very limited equipment; and (iii) No departmental library, very limited textbooks, reference material and IT facilities.

#### **(iv) Degree Programs in Plant Breeding and Genetics<sup>17</sup> (BSc & MSc)**

21. Degree Programs in PBG at CADGK are seriously deficient in major criteria hence accreditation is recommended in category 'Y1' with 60% score.

<sup>15</sup> The AIC on Soil Science were Prof. Dr. Muhammad Abid Kharal, BZU, Multan, Dr. Moazzam Jamil, IUB and Secretary NAEAC.

<sup>16</sup> The AIC on Horticulture comprised of Prof. Dr. Muhammad Akbar Anjum, BZU, Multan, Dr. Ishfaq Ahmed Hafiz, PMAS AAU, Rawalpindi and Secretary NAEAC.

<sup>17</sup> The AIC on PBG were Prof. Dr. Muhammad Munir, Ex-Dean, PMAS AAU, Rawalpindi, Dr. Muhammad Iqbal Bandesha, IU, Bahawalpur and Secretary NAEAC.

**Strength:** (i) Large land area with typical ecology is available for graduate and faculty research.

**Weaknesses:** (i) Experienced and senior faculty unavailable for teaching and research; (ii) Lack of essential lab equipment, greenhouse and well managed experimental fields; and (iii) No departmental library, few books in the main library but no journals and reference material and internet facility.



AIC visit to Horticulture Dept., DG Khan

#### (v) Degree Programs in Entomology<sup>18</sup> (BSc & MSc)

22. As the academic programs are assessed deficient in some of the major criteria, the programs are accredited with NAEAC in category ‘Y2’ with 56% score indicating following strength and weaknesses:

**Strength:** (i) HEC approved curriculum is adopted for the degree programs.

**Weaknesses:** (i) The faculty is seriously deficient in terms of strength and quality as per HEC/NAEAC standards; (ii) in-adequate infrastructure including labs, textbook, research journals and internet facilities, etc.; and (iii) very few field visits, limited participation in seminars and conferences by the students and faculty.

#### G. UCA, Bahauddin Zakariya University, Multan

##### (i) Degree Programs in Plant Pathology<sup>19</sup> (BSc & MSc)

23. On the basis of the inspection /evaluation, accreditation of degree programs of BSc and MSc is recommended in category ‘Y2’ maintaining following strength and weaknesses:

**Strength:** (i) Availability of essential infrastructure including class rooms, labs, faculty offices and other facilities.

**Weaknesses:** (i) Inadequate as well as junior and young faculty; (ii) Small class rooms and faculty offices with no IT facilities; and (iii) insufficient lab. supplies and no arrangements for repair & maintenance of non-functional equipment.

<sup>18</sup> The AIC on Entomology were Prof. Dr. Muhammad Aslam, Ex-Principal, UCA, BZU, Multan, Dr. Muhammad Razaq, BZU, Multan and Secretary NAEAC.

<sup>19</sup> The AIC on Plant Pathology were Prof. Dr. Arif Chohan, KPK AU, Peshawar, Prof, Dr. Shahbaz Talib Sahi, University of Agriculture, Faisalabad and Secretary NAEAC

## (ii) Degree Programs in Food Science<sup>20</sup> (BSc & MSc)

24. Based on NAEAC prescribed criteria, AIC recommended the accreditation of Food Science programs in Category 'X3' of HEC.

**Strength:** (i) Well maintained functional labs with safety equipment.

**Weaknesses:** (i) With faculty of four young PhDs, no senior and experienced faculty member as Associate Professor and Professor; and (ii) processing unit, such as canning unit, beverage unit and storage unit is needed.



AIC visit to Food Science Department, BZU, Multan

## (iii) Degree Program in Agro-Forestry<sup>21</sup> (BSc)

25. AIC evaluated the degree program of BSc Agro-forestry and rated in 'Y1' category indicating program not meeting the major criteria.

**Strength:** (i) Having its own building, infrastructure such as class rooms, faculty offices, computer lab, wild-life museum and about 200 text books are available.

**Weaknesses:** (i) Serious shortage of faculty, unable to initiate master's degree program; (ii) Curriculum requires substantial review and up-gradation; and (iii) Inadequate practical exposure of students due to few field visits and study tours.

## H. University College of Agriculture (UCA), Islamia University, Bahawalpur

### (i) Degree Programs in Plant Breeding and Genetics<sup>22</sup> (BSc & MSc)

26. The degree programs in PBG do not meet some of the major criteria, hence rated in category 'Y2' of accreditation to be revisited next year 2014-15.

**Strength:** (i) Effective linkages maintained with private /public sector research organizations.

<sup>20</sup> The AIC on Food Science consisted of Prof. Dr. Saghir Ahmed Sheikh, SAU, Tandojam, Dr. Umar Farooq, UCA, University of Sargodha and Secretary NAEAC.

<sup>21</sup> The AIC on Agro- Forestry comprised of Prof. Dr. Sarwat Naz Mirza, PMAS AAUR, Dr. Ahmed Hussain, University of Haripur and Secretary NAEAC.

<sup>22</sup> The AIC on PBG were comprised of Prof. Dr. Abdus Salam, UAF and Dr. Abdul Qayyum, BZU, Multan and Secretary NAEAC.

**Weaknesses:** (i) Shortage of regular and senior faculty to offer degree programs; and Very limited facility of labs., classroom and faculty offices.

**(ii) Degree Programs in Entomology<sup>23</sup> (BSc & MSc)**

27. On the basis of the assessment, the AIC rated the degree programs in ‘Y2’ category of accreditation of NAEAC /HEC, indicating the programs do not meet some of the major criteria with 59% score, exhibiting the following strength and weaknesses.

**Strength:** (i) Adoption of HEC Academic Council endorsed Curriculum.

**Weaknesses:** (i) Shortage of requisite faculty especially non-availability of senior and experienced teaching faculty; (ii) Inadequate research infrastructure such as labs. Library and classrooms, etc.; and (iii) Insufficient field /greenhouse research facilities for students.



<sup>23</sup> The AIC on Entomology were comprised of Prof. Dr. Muhammad Naeem, PMAS AAU, Rawalpindi, Dr. Muhammad Razaq, BZU, Multan and Secretary NAEAC.

## I. Sindh Agriculture University, Tandojam

### (i) Degree Programs in Plant Protection<sup>24</sup> (BSc & MSc)

28. AIC assessed degree programs in Plant Protection in category ‘X3’ rating of NAEAC / HEC with 68% score implying minor shortfalls in degree programs.

**Strength:** (i) Recently established post-graduate & under-graduate labs are well equipped and functional.

**Weaknesses:** (i) Faculty a mix of experienced and relatively young teachers with no senior faculty Position of Associate Professor and Professor; (ii) insufficient addition of textbooks and limited IT facilities for post-graduate students; and (iii) allocation of operational funds is very low affecting day-to-day research-teaching activities.

### (ii) Degree Programs in PBG<sup>25</sup> (BSc & MSc)

29. The degree programs of PBG are assessed at 71% score and rated in accreditation category ‘X2’ of NAEAC /HEC indicating minor shortfall in degree programs.

**Strength:** (i) The faculty with four PhDs is well focused and energetic including three professors, five assistant professors and three lecturers.

**Weaknesses:** (i) Labs. need to be strengthened with requisite equipment for teaching advance techniques of breeding; (ii) very few textbooks and very low subscription to research journals; and (iii) shortage of technically trained and qualified support staff.

### (iii) Degree Programs in Horticulture<sup>26</sup> (BSc & MSc)

30. Based on the assessment, the degree programs in Horticulture are rated in category ‘Y1’ with 63% score, implying programs not meeting some of the major criteria.

**Strength:** (i) Linkages with stakeholders are strengthened for research and advisory services.

<sup>24</sup> The AIC on Plant Protection were comprised of Prof. Dr. Muhammad Shafi Nizamani, University of Jamshoro, Hyderabad, Prof. Dr. Rabdeeno Khuro, SAU, Tanodjam and Secretary NAEAC.

<sup>25</sup> The AIC on PBG were comprised of Prof. Dr. Abdul Jabbar Malik, Lasbella University, Lasbella, Dr. Muhammad Mureed Kandho, Senior Cotton Breeder, SAU, Tandojam and Secretary NAEAC.

<sup>26</sup> The AIC on Horticulture were comprised of Prof. (Retd) Dr. Abdul Fateh Baloch, SAU, Tandojam, Mr. Muhammad

**Weaknesses:** (i) Limited number of labs. and lab. equipment, class rooms, faculty offices and seminar room, etc. (ii) need for latest editions of books, periodicals for students and faculty; unsatisfactory internet facilities; and (iii) Only two faculty members out of eight possess PhD degree with no senior position of professor.

#### (iv) Degree Programs in Agri. Extension<sup>27</sup> (BSc & MSc)

31. The degree programs were rated in ‘X3’ category of accreditation with 67% score suggesting minor shortfalls.

**Strength:** (i) Well qualified, experienced and trained faculty of nine members including four PhDs from USA.



AIC visit to Dept. of Agri. Extension, SAU, Tandojam

**Weaknesses:** (i) Inadequate infrastructure such as non-availability of adequate lab. and multimedia facilities; (ii) shortage of relevant books and reference material in departmental/ main library; and (iii) limited opportunities for students to practical work, field tours.

#### (v) Degree Programs in Agri. Economics<sup>28</sup> (BSc & MSc)

32. Degree programs are rated in accreditation category ‘Y2’ with 58% score thereby not meeting some of the major criteria.

**Strength:** (i) Adoption of HEC approved curriculum and scheme of studies with suitable mix of theory and practical.

**Weaknesses:** (i) None of the faculty members holds PhD degree, serious shortage of senior faculty; (ii) inadequate IT facilities for students and faculty members; and (iii) Limited textbooks and few local periodicals, no access to e-journals.

<sup>27</sup> The AIC on Agri. Extension were Dr. Yameen Memon, Ex-Professor, SAU, Tandojam, Prof (Retd) Fazal Karim Rajput, SAU, Tandojam and Secretary NAEAC.

<sup>28</sup> The AIC on Agri. Economics were comprised of Prof. Dr. Asandas Manwani, Isra University, Hyderabad, Dr. Ali Muhammad Khushk, ARI, Tandojam and Secretary NAEAC.

## **J. Faculty of Agriculture, Gomal University, Dera Ismail Khan**

### **(i) Degree Programs in Agronomy<sup>29</sup> (BSc & MSc)**

33. The degree programs were assessed and rated in category ‘Y2’ of accreditation with 59% score showing deficiency in meeting some of the major criteria.

**Strength:** (i) Faculty adequately qualified with seven PhDs out of eight including

**Weaknesses:** (i) Outdated and non-functional lab. equipment, experimental farm poorly Maintained, no facility of controlled /environment conditions; (ii) very few and old editions of text books and no subscribed agronomy Journals.

### **(ii) Degree Programs in Entomology<sup>30</sup> (BSc & MSc)**

34. The degree programs are rated in ‘Y2’ category of accreditation with 57% score indicating deficiency in meeting major criteria.

**Strength:** (i) Experimental farm with sufficient land, cheap labour and excellent irrigation system for research purposes.

**Weaknesses:** (i) Shortage of PhD and well experienced faculty; (ii) Limited laboratory facilities with old and non-functional equipment; and (iii) Lack of greenhouse/insectary facilities.



AIC visit to Entomology Department, D.I Khan

### **(iii) Degree Programs in Horticulture<sup>31</sup> (BSc & MSc)**

35. The degree programs being deficient in some of the major criteria are rated in category ‘Y1’ of accreditation with 64% score. Programs major strength and weaknesses are outlined below:

**Strength:** (i) Teaching faculty consists of eight members with five PhDs.

<sup>29</sup> The AIC on Agronomy were comprised of Prof. Dr. Bismillah Khan, BZU, Multan, Dr. Abdul Khaliq, UAF and Secretary NAEAC.

<sup>30</sup> The AIC on Entomology were comprised of Prof. Dr. Muhammad Afzal Chaudhry, University of Sargodha, Prof. Dr. Muhammad Naeem, PMAS AAU, Rawalpindi and Secretary NAEAC.

<sup>31</sup> The AIC on Horticulture were comprised of Prof. Dr. Muhammad Akbar Anjum, BZU, Multan, Dr. Ishfaq Ahmed Hafiz, PMAS AAU, Rawalpindi and Secretary NAEAC.

**Weaknesses:** (i) Inadequate space for laboratories, faculty offices, class rooms and hardly any facility for floriculture, post-harvest research; (ii) limited farm area, no plastic tunnel and growth chambers; and (iii) non-availability of trained support staff for the maintenance and operation of available laboratory equipment.

#### (iv) Degree Programs in PBG<sup>32</sup> (BSc & MSc)

36. The AIC rated the programs in category ‘X3’ of NAEAC with 66% score indicating minor shortfalls.

**Strength:** (i) Faculty consisting of six members has effective research collaboration with national and provincial research institutions.

**Weaknesses:** (i) Inadequate laboratory, class rooms, faculty offices with no departmental library; and (ii) Students have no access to digital library and departmental internet facility.



AICs visit to Faculty of Agriculture, Gomal University, D.I. Khan

37. Soil Science degree programs are placed in category ‘X3’ of accreditation rating of NAEAC with 69% score suggesting minor shortfalls to be improved in due course of time.

#### (v) Degree Programs in Soil Science<sup>33</sup> (BSc & MSc)

**Strength:** (i) Adequately qualified and experienced faculty having flare for teaching and research.

**Weaknesses:** (i) Class rooms, faculty offices are inadequately equipped; (ii) non-adoption of new curriculum and semester system instead of term system.

<sup>32</sup> The AIC on PBG were comprised of Prof. Dr. Abdus Salam, UAF, Dr. Abdul Qayyum, BZU, Multan and Secretary NAEAC.

<sup>33</sup> The AIC on Soil Science were comprised of Prof. Dr. Zahir Shah, KPK AU, Peshawar, Prof. Dr. Shafqat Nawaz, UCA, D.G. Khan and Secretary, NAEAC.

## K. University College of Agriculture, University of Sargodha

### (i) Degree Programs in Agricultural Extension<sup>34</sup> (BSc)

38. On the basis of assessment by the AIC, the degree program of BSc (Hons) is rated in category 'X3' of accreditation rating of NAEAC with 67% score having minor shortfalls.



AIC visit to College of Agriculture, University of Sargodha

**Strength:** (i) Increasing interest of students in BSc (Hons) Agriculture Extension Education Program.

**Weaknesses:** (i) Shortage of faculty especially senior and experienced faculty members; (ii) Inadequate infrastructure, class rooms, faculty offices; and (iii) Insufficient number of textbooks and reference books and periodicals.

<sup>34</sup> The AIC on Agri. Extension were comprised of Prof. Dr. Sher Muhammad, UAF, Prof Fazal Karim Rajput, Ex-Dean SAU, Tandojam and Secretary NAEAC.

## (ii) Degree Programs in Food Science<sup>35</sup>

39. AIC recommended the accreditation of degree programs in category 'X3' with 67% score having minor shortfalls.

**Strength:** (i) Highly qualified and competent faculty of 13 including nine PhDs and two Post Docs.

**Weaknesses:** (i) Insufficient lab. equipment for training at undergraduate level; and (ii) Non-availability of Food processing pilot plant for Food Science degree programs.

## III. QUALITY ASSURANCE AND ACCREDITATION AWARENESS SEMINARS

40. Organization and conduct of awareness seminars at the Agriculture Education Institutions is a regular activity of the Secretariat. The overall objective is to create awareness among the stakeholders and to sensitize them regarding the significance of quality assurance and accreditation of degree programs. The council has so far conducted about 20 awareness seminars in the Punjab, Sindh and KPK. During 2012-13, three seminars were planned at University of Karachi, Lasbella University of Agriculture, water and Marine Sciences and Balochistan College of Agriculture, Quetta but could not be carried out due mainly to security reasons and law and order situation in these areas.

## IV. COUNCIL MEETINGS

### i. *Minutes of Seventh Council Meeting:*

41. The Seventh meeting of the NAEAC was held on November 27, 2012 at 10:30 A.M. in the Mural Hall of HEC, H-9, Islamabad. The meeting was chaired by Dr. M. E. Tusneem, Chairman- NAEAC and attended by 15 of the 19 Council Members representing agricultural universities, research institutes, agro-industry and other stake holders/institutions in the public and private sectors. The list of participants is at Annexure-III.

42. The Secretary-NAEAC presented item-wise agenda of the meeting for information/consideration of the Council. A summary of the recommendations and decisions made at the meeting is given below.

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<sup>35</sup> The AIC on Food Science were comprised of Prof. Dr. Muhammad Akbar Anjum, UAF, Dr. Saeed Akhtar, BZU, Multan and Secretary NAEAC.

**Item #1: Confirmation of the Minutes of the Sixth Meeting of NAEAC**

43. The minutes of the Sixth meeting of NAEAC were presented for review and approval. It was noted that draft minutes were earlier circulated to all Council members and finalized in the light of views/comments received.

**Decision:** *The Council approved the minutes of its sixth meeting held on 29 September, 2011 at Mural Hall of HEC, Islamabad*

**Item# II: Status of Progress of Accreditation Activities 2011-12**

44. External assessment and accreditation of agriculture degree programs is the primary function of Council. Institution-wise progress of program accreditation was presented to the Council Members. It was noted that during 2011-12, against a target of about 60 only 46 degree programs could be accredited due to non-availability of funds during the last quarter.

**Decision:** *The Council commended the achievements of NAEAC despite financial constraints.*

**Item# III: Consideration and approval of the Reports of AICs for FY 2011-12.**

45. As of June, 2012, the Council organized on-site visits to eight agriculture education institutions for the external evaluation of 46 degree programs (BSc (Hons) and MSc (Hons)). A set of hard copies was provided to the members in the meeting on demand.

The Council members endorsed the recommendations. They further noted that in future major strengths and weaknesses of degree programs should be highlighted briefly in the table of program ratings to make it more clear and visible. They also noted that SWOT analysis be made more consistent, precise and fact based.

**Decision:** *The recommendations of AICs were endorse by the Council members.*

**Item# IV: Budget Allocation and Utilization for FY 2011-12 and Budget Estimates for FY 2012-13**

46. The budget allocation and utilization for FY 2011-12 was presented to the Council and it was informed that during the last five years, the Council received an average annual grant of Rs.2.2million/year. Funds generation capacity is limited due to nominal accreditation fee and almost all agriculture education institutions are in public sector. In view of the above, HEC has enhanced the annual grant of NAEAC from Rs.2 million to Rs.4 million per year for the next 10 years. The council has proposed budget estimates of Rs.4.534 million for FY 2012-13.

**Decision:** *The Council approved expenditure for FY 2011-12 and budget estimates for FY 2012-13.*

**Item# V: Approval of Annual Work Plan of NAEAC for FY 2012-13.**

47. The Council has planned to undertake on-site accreditation visits of more than 60 degree programs covering 32 different disciplines at 12 Agriculture Universities and Colleges. Three awareness seminars are planned one each at Karachi, Uthal and Quetta so as to cover all the agriculture education institutions in Pakistan. The other activities include maintaining program evaluators' roster, strengthening of database, and conducting training workshop for program evaluators.

**Decision:** *Annual Work Plan of NAEAC for 2012-13 was endorsed by the Council members.*

**Item# VI: Procedure for Right of Appeal on Accredited Programs.**

48. The National Agriculture Education Accreditation Council ensures transparent, neutral and unbiased external evaluation and accreditation process. The accreditation activities are carried out in a transparent and participatory manner. Findings and recommendations of AICs are shared and discussed with the stakeholders concerned.

**Decision:** *The proposed procedure for right of appeal was reviewed by the Council members. In particular important aspects of the procedure of appeal including its duration, scrutiny, formation of appellant committee and appeal fee were discussed in detail and agreed. The Council members approved the NAEAC proposal for appeal of outcomes of the degree programs of NAEAC.*

**Item# VII: Renewal of Annual Service Contract of NAEAC Staff.**

49. The core staff of National Agriculture Education Accreditation Council is hired on yearly contract basis as per policy of HEC/NAEAC. The Council was informed that the Chairman, NAEAC renewed the annual service contract of Secretary, Admin/Finance Officer and Office Attendant in September, 2012 based on their satisfactory performance.

**Decision:** *The Council noted the renewal of service contract of Secretariat staff and expressed their appreciation for their excellent work during 2011-12.*

**Item# VIII: Revision of Pay-Package of NAEAC Staff.**

50. The present pay-package of the contract employees of the National Agriculture Education Accreditation Council (NAEAC) is based on the basic pay scales of 2006-07. Government of Pakistan/ HEC has increased the salary of regular and contractual employees by 20% with

effect from July 01, 2012. This decision has already been implemented by the Higher Education Commission. The approval of the Council is therefore, requested for corresponding increase in the salary of NAEAC employees with effect from July 1, 2012. *Decision: The Council considered the request and viewed it genuine and realistic. Hence 15% increase in the salary of NAEAC employees was approved including 5% earlier increase with effect from July 01, 2012.*

51. In his concluding remarks, the Chairman-NAEAC thanked the Council members for their participation and valuable guidance. He commended the role and contributions of Dr. Riaz Hussain Qureshi in the establishment and strengthening of QAA in HEC and continuing support to NAEAC. Also Dr. Ashfaq Khan, Dean Faculty of Agriculture, UAF talking on behalf the Council members paid tributes to Dr. Riaz Qureshi for his pioneering role in setting up and implementing QAA within HEC and guidance to NAEAC. He also acknowledged and commended the excellent work of Chairman and NAEAC Secretariat, and assured their full support and guidance to the Council.

*ii. Minutes of Eighth Council Meeting:*

52. The 8<sup>th</sup> Meeting of the National Agriculture Education Accreditation Council (NAEAC) was held on June 24, 2013 at 10:30 A.M. in the Mural Hall of Higher Education Commission (HEC), H-9, Islamabad. The meeting was chaired by Dr. M. E. Tusneem, Chairman, National Agriculture Education Accreditation Council (NAEAC) and attended by 15 (including two proxies) of the 19 sitting Council Members representing agricultural education institutions, research institutes, ministries of agriculture, and agro-industry. The list of participants is at Annexure-III.

53. The Secretary-NAEAC presented item-wise agenda of the meeting for consideration of the Council members. A summary of the decisions taken in the meeting is given below.

**Item #1: Confirmation of the Minutes of the Seventh Meeting of NAEAC**

54. The minutes of the Seventh meeting of NAEAC were presented for approval. The Council members were informed that the draft minutes were circulated for the comments and views of the Council Members. These were finalized and approved by the competent authority and circulated to all Council members for information and record.

*Decision: The minutes of the seventh meeting of the Council held on 27 November, 2012 were formally approved by the Council Members.*

**Item# II: Progress Review of Accreditation Activities for 2012-13**

55. External evaluation and accreditation of the degree programs is a major activity of the Council. It envisaged a target of 37 disciplines with 60 degree programs to be accredited

during 2012-13 which was successfully accomplished. In the event, 65 degree programs, 40 percent higher than the preceding year were accredited.

**Decision:** *The Council Members appreciated the dedicated efforts and hard-work of the Secretariat in the accomplishment of ambitious target set for 2012-13.*

### **Item# III: Status of Accreditation Fees**

56. Payment of accreditation fee for the evaluation and accreditation of degree programs is obligatory. The accreditation fee structure of the Council is modest and ranges from Rs.50,000/- to Rs.100,000/- for more than ten disciplines (BSc and MSc degree program) in the faculty. The Council members were intimated that during 2012-13, the receipts of accreditation fee reached to about Rs.1.00 million as compared to 0.40million last year. It was a major achievement on the part of NAEAC and education institutions concerned. Needless to say the receipts at the level of Rs.1.00million were managed with consistent follow-up and support of the heads of agri. education institutions.

**Decision:** *The Council Members acknowledged it as a major achievement given the funding constraint of the HEC during 2012-13 and appreciated the efforts of the NAEAC.*

### **Item# IV: Proposed Work Plan for FY 2013-14**

57. The Council meeting was apprised of the proposed work plan for FY 2013-14 which has a focus on accreditation of degree programs in Balochistan, re-evaluation of degree programs accredited during 2008-09 and the accredited programs ranked in “Y” (major weaknesses) category. It has also included newly initiated programs at UAF, Haripur and UMT, Lahore. Three awareness seminars are planned to be organized besides the preparation of quarterly and annual reports, audit reports, etc. Institutional database will be updated. NAEAC website i.e. [www.naeac.org](http://www.naeac.org) will be upgraded and improved. The Council Members asked that discipline wise panel of experts /program evaluators may also be placed on the website for information of all concerned.

**Decision:** *Proposed Annual Work Plan of NAEAC was discussed and approved by the Council members and subject to the suggestions made during the meeting.*

### **Item# V: Budget Utilization for FY 2012-13 and Proposed Budget for FY 2013-14**

58. The Secretary informed the meeting that in view of the need to fast track the accreditation process, the HEC decided to increase the annual grant of the Councils from Rs.2.00million to Rs. 4.00million with effect from FY 2012-13, albeit on need basis.

Members of the Council discussed the budget for FY 2012-13 and asked for more details to be included in the tables on sources of the income e.g. Accreditation Fee and the Annual Grant from HEC and budgeted amount. The Secretary explained the details and assured the meeting to revise the budget to reflect their suggestions. He further informed that HEC grant is non-lapsable at the end of fiscal year and can be carried forward to next fiscal year. The reallocation from one category to another is need-based and within competence of Chairman, NAEAC. The house was assured that the available funds are used with utmost financial prudence. As a result, the establishment cost of NAEAC is about 40% of the total budget as against 60 or above in other public sector organizations and institutions. The Council Members suggested that clarification regarding unusual allocation be included in the text or footnotes. The Council was informed that NAEAC receives one-line budget from HEC and has internal arrangement to allocate head-wise and re-appropriate as necessary with the approval of Chairman, NAEAC. The NAEAC financial statements are regularly audited by the Commercial Auditors each year and Audit Report submitted to HEC.

**Decision:** *The Council approved the budget utilization of the Council for the year 2012-13 and budget estimates for FY 2013-14 subject to the suggestions; (i) to indicate /list sources of income from HEC and others; and (ii) Unusual budgetary provisions for a particular item may be clarified in the foot notes.*

**Budget Utilization for FY 2012-2013 and Proposed Budget Allocation for FY 2013-14  
(Rupees)**

<b>Code</b>	<b>Object</b>	<b>Budget Utilization 2012-13</b>	<b>Budget Allocation 2013-14</b>	<b>Revised Budget 2013-14</b>
71-1	Establishment Costs	1,730,852	1,987,000	1,987,000
71-20	a. Honorarium for Program Evaluators b. Other Benefits	880,000	940,000 120,000	940,000 120,000
72-10	TA/DA (Accreditation visits & Council Meetings)	1,053,626	700,000	700,000
72-14	Transportation	44,598	80,000	50,000
72-2	Communication	38,218	60,000	50,000
72-31	Stationery & other supplies	46,706	80,000	50,000
72-32	Printing and Publications	58,320	100,000	80,000
72-37	Other Misc. Expenses (OE & RM)	5,178	40,000	30,000
72-43	Computer & Office equipment	29,030	125,000	100,000
72-44	Furniture & Fixture	6,500	154,000	70,000
72-50	Audit Expenses	25,450	35,000	35,000
72-60	Publicity & Advertisement	80,516	225,000	210,000
72-63	Meetings/Seminars	21,308	100,000	80,000
<b>Total</b>		<b>4,020,302</b>	<b>4,746,000</b>	<b>4,502,000</b>

- Budget Allocation 2013-14 scale down on the recommendations of Finance Division of HEC and due to cut in release of grant of HEC from Rs. 4 million to Rs. 3.5 million.

**Budgetary Sources for FY 2013-14:**

- |   |                  |
|---|------------------|
| • i. Opening Balance as of July 1, 2013 | Rs. 0.66 million |
| • ii. HEC Grant for FY 2013-14          | Rs. 3.50 million |
| • iii. Accreditation Fee (Estimate)     | Rs. 0.30 million |
| Total                                   | Rs. 4.50 million |

**Any Other Item:**

**Internship Issue:**

59. Under this item, the Director General Research Punjab noted that Agri. Research is one of the major employer of agri. graduates in the province. During the last few years, it has recruited about 400 agri. graduates. It was observed that in most cases, the graduates lack practical exposure. Majority lacks confidence and practical skills of operating lab. equipment. They are generally reluctant to work in the field; Lack of adequate oral and written communication skills among agri. graduates was also mentioned by some members of the Council. They emphasized the need to enhance collaboration between the agri. research system and agri. universities through MOUs for joint activities and in particular to strengthen the

internship program to build confidence and field orientation. Dr. Shahana Urooj, proposed to organize a conference on the issue of collaboration between Agri. Research and the academia and on the effectiveness of current internship program of agri. graduates. Representative from the Agro. Industry agreed and expressed concern on non-serious attitude of internees to acquire knowledge and skills while on job. They suggested that students be given field assignments, on-the job training during their study.

60. Chairman, NAEAC noted that based on feedback from stakeholders and the universities, the current internship has not proven very effective due to non-serious attitude of students. There is need to examine the current arrangements and strengthen the internship program. Dr. R. H. Qureshi observed that internship is an important learning process where students are provided practical base. He however agreed in the need to revisit this program in the light of feedback from stakeholders to make it more effective and useful.

## **V. ROSTER OF PROGRAM EVALUATORS/EXPERTS**

61. As Council has more than 15 disciplines in its purview, the maintenance of a relatively larger and updated roster of experts is necessary. As of June 30, 2013, 123 Program Evaluators/Experts covering more than 15 disciplines of agriculture are on the roster of NAEAC. They are drawn from academia, research and industry. All the Program Evaluators are provided with the Program Evaluation Manual (Toolkit) containing the evaluation criteria, and methodology. A Handbook is also available for their general guidance and ready reference in accreditation of the degree programs. Training workshops are also organized to upgrade skills for accreditation in a transparent manner. Two such training workshops have been organized during the past 2 years. Accreditation Inspection Committees (AICs) are constituted by the Chairman of the Council exclusively on the basis of competence and merit.

## **VI. PROPOSED ANNUAL WORK PLAN, 2013-2014**

### **1. Accreditation Activities:**

62. Accreditation being the primary function, the Council gives high importance to the on-site visits of the Agriculture Education Institutions for evaluation and accreditation of degree programs. Accreditation process involves validation of Self-Assessment Reports of the degree programs prepared by the institutions concerned, an objective assessment of the human, physical, and financial resources as well as teaching-learning facilities and methods for the degree programs. For each on-site visit, an Accreditation Inspection Committee (AIC) of the experts in the relevant discipline is constituted from roster of experts maintained by the Council. The overall objective of the external assessment and accreditation process is to improve the quality of higher education, enhance the capacity of institutions and upgrade physical and education infrastructure to achieve and sustain academic excellence.

A summary of the degree programs to be accredited during 2013-14 is as follows:

S #	Institution	Degree Programs	Visit Schedule
1.	GC University, Faisalabad (Food Science)	2	October, 2013
2.	Agriculture department, University of Haripur (Agronomy, Soil Science, Horticulture, PBG)	6	November, 2013
3.	University of Agriculture, Faisalabad (IBMS) (Agribusiness Marketing)	2	November, 2013
4.	BZ University Layyah-sub campus	3	December, 2013
5.	Pakistan Forest Institute, Peshawar (BSc & MSc Forestry)	2	December, 2013
6.	Lasbella University of Agriculture, Water & Marine Sciences, Uthal, Lasbella (Agronomy, Soil Science and Entomology)	4	January, 2014
7.	UCA & Environmental Sciences, Islamia Uni., BWPR (Agro Forestry and Food Science)	2	February, 2014
8.	Institute of Agricultural Sciences, Lahore (Horticulture and Food Science)	4	February, 2014
9.	Z.A. Bhutto Agriculture College, Dokri BSc (Honors) (Agronomy, Soil Science, PBG and Horticulture)	4	March, 2014
10.	Bacha Khan University, Charsada	4	April, 2013
11.	Amir Muhammad Khan, Agriculture University Peshawar Campus (AMK AUP), Mardan BSc (Honors) Agronomy, Horticulture and Food Science	4	May, 2013
12.	Faculty of Agriculture, University of Sargodha (Agri. Economics and Agro Forestry)	2	May, 2013
	<b>Total</b>	<b>39</b>	

## 2. Quality Assurance and Accreditation Awareness Seminars

63. Six awareness seminars are planned for 2013-14 to be delivered in Punjab and KPK. As of June 30, 2013, the Council has organized 18 Awareness Seminars at various Agriculture Education Institutions in the country.

## 3. Dissemination of NAEAC Activities

64. Both print and electronic media coverage of the Council activities is carried out on regular basis. The Council sends press releases regarding its meetings, on-site accreditation visits to various institutions, awareness seminars, etc. to the print media. NAEAC related news worthy items are published in HEC News /Views. Advertisement of ‘Parents Alert’ in the English and Urdu Daily Newspapers is also done at a considerable cost. Institutional database was established

in 2009 and is regularly updated. The major sources of data are the registration forms, institutional forms, e-mail surveys, Self-Assessment Reports (SARs) and AIC Reports.

#### **4. Preparation of Annual Report**

65. Preparation of Annual Report is a regular feature. This is the sixth Annual Report for FY 2012-13. It is in final stages of its preparation.

### **VII. QUARTERLY PROGRESS REPORTS**

66. The Council regularly prepares and submits its Quarterly Progress Reports (QPRs) to QAA of HEC. The QPR reflects activities and achievements for the ending quarter and targets for the next quarter. All the four quarterly reports for the year 2012-13 were forwarded to the controlling authority. Quarterly Reports provide a good basis for monitoring and reviewing the progress of Accreditation Program. It also helps identify the bottlenecks and constraints impeding the desired progress and achievement of planned activities.

### **VIII. Second Training Workshop for Program Evaluators of NAEAC**

67. The National Agriculture Education Accreditation Council (NAEAC), in collaboration with the Quality Assurance Agency (QAA) of HEC organized a three-day training workshop in December 2013 for 30 program evaluators/experts from all over the country including senior professors, scientists and academicians.

The external resource person for this workshop was Dr. A. H. Cobb, Emeritus Professor of Plant Pathology and Director of Andrew Cobb Academic Services, United Kingdom.

He had a rich experience in the field of quality assurance and has organized seminars and workshops in different countries. The outcomes of the workshop include experienced program evaluators for assessment of degree programs, improved quality of the on-site inspection and accreditation of degree programs, improved quality and consistency of the AIC reports, and greater credibility of the accreditation process.

In the opening ceremony, Dr. M. E. Tusneem, Chairman NAEAC, welcomed the resource person and participants. Mr. Fida Hussain, Director General, (QAA) HEC presented a brief overview of the Internal and External Quality Assurance mechanism being adopted by HEC for enhancement of quality standards.

NAEAC has been established by HEC to improve the standard and quality of education of agriculture degree programs based on established standards, policies, procedures and criteria. The overall objective of accreditation is to improve the quality of education, enhance capacity of institutions and upgrade physical infrastructure to achieve and sustain academic excellence.

**Annexure-I****Evaluation Criteria and Score**

S.No	Evaluation Criteria	Score	Percent	Range of Sub Criteria Scores
	<b>Major criteria</b>			
1.	Strength & Quality of Faculty (includes 19 sub-criteria)	250	25	5 – 55
2.	Curriculum Design and Development (includes 12 sub-criteria)	150	15	5 – 20
3.	Infrastructure and Learning Resources (includes 17 sub-criteria)	200	20	5 – 30
4.	Students Support and Progression (includes 18 sub-criteria)	100	10	5 – 10
	<b>Minor criteria</b>			
5.	Research and Consultancy (includes 10 sub-criteria)	150	15	5 – 30
6.	Governance & Leadership (includes 11 sub-criteria)	100	10	5 – 20
7.	Innovative Practices (includes 5 sub-criteria)	50	5	10 – 20
	<b>Total</b>	<b>1000</b>	<b>100</b>	<b>5 – 55</b>

**Annexure-II****Recommended Accreditation Rating of Degree Programs, 2012-13**

S No.	University/Department	Period of Inspection	Degree Program Rating	Strengths/Weaknesses
<b>Faculty of Agriculture, University of Poonch, Rawalakot</b>				
1.	Department of Agronomy AIC Report# 56	October 16-17, 2012	Upper band of Y with 64% score	<ul style="list-style-type: none"> <li>○ Lack of adequate infrastructure such as Labs, Library books and journals.</li> <li>○ Insufficient space for faculty offices, class rooms and recreation rooms etc.</li> </ul>
2.	Department of Soil Science AIC Report# 57	October 16-17, 2012	Middle band of X with 72% score	<ul style="list-style-type: none"> <li>○ Ten faculty members including Ph.D with good teaching-learning environment.</li> <li>○ Inadequate Green house/glass house and field facilities.</li> <li>○ Weak linkages between the faculty and agro-industry, farmers and other stakeholders.</li> </ul>
3.	Department of PBG AIC Report# 58	October 16-17, 2012	Upper band of X with 79% score	<ul style="list-style-type: none"> <li>○ Well qualified faculty of eight with four Ph.Ds.</li> <li>○ Non-availability of greenhouse/controlled environment facilities.</li> <li>○ Shortage of qualified and trained lab. Staff.</li> </ul>
4.	Department of Horticulture AIC Report# 59	October 16-17, 2012	Lower band of X with 69% score	<ul style="list-style-type: none"> <li>○ Inadequate infrastructure and learning resources for post-harvest and tissue culture.</li> <li>○ Teaching faculty in the areas of floriculture, Post-harvest and biotechnology is not available.</li> </ul>
5.	Department of Food Science AIC Report# 60	October 16-17, 2012	Upper band of Y with 62% score	<ul style="list-style-type: none"> <li>○ Grossly Inadequate Lab. facilities for offering degree programs.</li> <li>○ Non-availability of sufficient text books and IT facilities.</li> </ul>
<b>PMAS Arid Agriculture University, Rawalpindi</b>				
6.	Department of Agri. Extension AIC Report# 61	November 7-8, 2012	Lower band of Y with 53% Score	<ul style="list-style-type: none"> <li>○ Serious shortage of teaching faculty.</li> <li>○ Non-availability of requisite infrastructure and learning resources.</li> </ul>
<b>University of Agriculture, Faisalabad</b>				
7.	Department of CABB AIC Report# 92	December 17-18, 2012	Lower band of W with 84% score	<ul style="list-style-type: none"> <li>○ Qualified, enthusiastic and young Ph.D faculty of fifteen members.</li> <li>○ Impressive intake of students in short span of time.</li> <li>○ Library as well as IT facilities need further upgradation.</li> </ul>
<b>Allama Iqbal Open University, Islamabad</b>				
8.	Department of Agri. Extension AIC Report# 62	December 20-21, 2012	Lower band of X with 66% score	<ul style="list-style-type: none"> <li>○ Shortcomings in the scheme of studies.</li> <li>○ Practical sessions for students hardly conducted.</li> </ul>
9.	Department of Forestry Extension AIC Report# 63	December 26-27, 2012	Upper band of Y with 60% score	<ul style="list-style-type: none"> <li>○ Serious shortage of full-time/regular and senior faculty.</li> <li>○ Curriculum Substantial revision required to make demand oriented.</li> </ul>

Continued

### Recommended Accreditation Rating of Degree Programs, 2012-13

S No.	University/Department	Period of Inspection	Degree Program Rating	Strengths/Weaknesses
10.	Department of Livestock Management AIC Report# 64	December 31,2012- January 01, 2013	Upper band of Y with 62% Score	<ul style="list-style-type: none"> <li>○ Curriculum for the degree program being old needs substantial revision.</li> <li>○ Insufficient faculty with least relevant qualifications.</li> </ul>

#### **University of Karachi, Karachi**

11.	Department of Plant Protection AIC Report# 89	January 21-22, 2013	Middle band of Y with 59% Score	<ul style="list-style-type: none"> <li>○ Shortage of full time/regular faculty.</li> <li>○ Inadequate Lab, Library and green house facilities.</li> </ul>
12.	Department of Food Science and Technology AIC Report# 90	January 21-22, 2013	Lower band of X with 69% Score	<ul style="list-style-type: none"> <li>○ Shortage of Food processing unit and cold storage units etc.</li> <li>○ Insufficient text books, reference books.</li> </ul>
13.	Department of Agri. Business Management AIC Report# 91	January 21-22, 2013	Middle band of Y with 59% Score	<ul style="list-style-type: none"> <li>○ Inadequate full time /regular teaching faculty.</li> <li>○ Lack of infrastructure and teaching-learning facilities.</li> </ul>

#### **UCA, DG Khan**

14.	Department of Agronomy AIC Report# 65	January 21-22, 2013	Middle band of Y with 55% score	<ul style="list-style-type: none"> <li>○ Insufficient number of text books and reference material with hardly any subscribed journal on Agronomy.</li> <li>○ Inadequate teaching-learning facilities and facilities including poorly equipped class rooms, faculty offices and internet facilities.</li> </ul>
15.	Department of Soil Science AIC Report# 66	January 21-22, 2013	Upper band of Y with 60% Score	<ul style="list-style-type: none"> <li>○ Very limited teaching and research lab facilities.</li> <li>○ Very few faculty offices, small lecture rooms without multi-media facilities.</li> </ul>
16.	Department of Horticulture AIC Report# 67	January 21-22, 2013	Lower band of Y with 52% score	<ul style="list-style-type: none"> <li>○ Grossly in-adequate teaching faculty only three faculty members having one PhD.</li> <li>○ Infrastructure is absolutely unsatisfactory with one laboratory having very limited equipment.</li> </ul>
17.	Department of PBG AIC Report# 68	January 21-22, 2013	Upper band of Y with 60% score	<ul style="list-style-type: none"> <li>○ Experienced senior faculty for teaching and research is not available.</li> <li>○ Lack of essential lab equipment, greenhouse and well managed experimental fields.</li> </ul>
18.	Department of Entomology AIC Report# 69	January 21-22, 2013	Middle band of Y with 56% score	<ul style="list-style-type: none"> <li>○ The faculty is seriously deficient in terms of strength and quality as per HEC/NAEAC standards.</li> <li>○ In-adequate infrastructure including teaching research labs, textbooks, research journals and internet facilities, etc.</li> </ul>

Continued

### Recommended Accreditation Rating of Degree Programs, 2012-13

S No.	University/Department	Period of Inspection	Degree Program Rating	Strengths/Weaknesses
<b>UCA, Bahauddin Zakariya University, Multan</b>				
19.	Department of Plant Pathology AIC Report# 70	February 25-26, 2013	Middle band of Y with 58% score	<ul style="list-style-type: none"> <li>○ Academic programs are run by junior and relatively young faculty.</li> <li>○ Insufficient lab. supplies and repair and maintenance of equipment.</li> </ul>
20.	Department of Food Science AIC Report# 71	February 25-26, 2013	Lower band of X with 67% score	<ul style="list-style-type: none"> <li>○ Well equipped and functional labs with safety equipment.</li> <li>○ With faculty of four young Ph.Ds. senior, foreign qualified and experienced faculty essential.</li> <li>○ Four processing units, such (canning, beverage) required.</li> </ul>
21.	Department of Agro-Forestry AIC Report# 72	February 25-26, 2013	Upper band of Y with 62% score	<ul style="list-style-type: none"> <li>○ Serious shortage of faculty, unable to initiate master's degree program.</li> <li>○ Curriculum requires substantial review and upgradation.</li> </ul>
<b>UCA, Islamia University, Bahawalpur</b>				
22.	Department of PBG AIC Report# 73	February 27-28, 2013	Middle band of Y with 57% score	<ul style="list-style-type: none"> <li>○ Shortage of regular and senior faculty.</li> <li>○ Very limited facilities of labs, classrooms and faculty offices.</li> </ul>
23.	Department of Entomology AIC Report# 74	February 27-28, 2013	Middle band of Y with 59% score	<ul style="list-style-type: none"> <li>○ Lack of requisite faculty strength especially non-availability of senior and experienced teaching faculty.</li> <li>○ Degree programs without adequate research infrastructure and teaching-learning facilities.</li> </ul>
<b>Sindh Agriculture University, Tandojam</b>				
24.	Department of Plant Protection AIC Report# 75	March 19-20, 2013	Lower band of X with 68% score	<ul style="list-style-type: none"> <li>○ Faculty a mix of experienced and relatively young teachers with no senior faculty position.</li> <li>○ Insufficient addition of textbooks and limited IT facilities for post-graduate students.</li> </ul>
25.	Department of PBG AIC Report# 76	March 19-20, 2013	Middle band of X with 71% score	<ul style="list-style-type: none"> <li>○ Experienced and senior faculty including four Ph.Ds energetic and well focused.</li> <li>○ Labs need to be strengthened with requisite equipment for teaching advance techniques of breeding.</li> <li>○ Very few textbooks and very low subscription to research journals.</li> </ul>
26.	Department of Horticulture AIC Report# 77	March 19-20, 2013	Upper band of Y with 63% score	<ul style="list-style-type: none"> <li>○ Limited number of labs. and lab. equipment, class rooms, faculty offices and seminar room, etc.</li> <li>○ Need for latest editions of text books, periodicals for students and faculty and internet facilities.</li> </ul>

Continued

### Recommended Accreditation Rating of Degree Programs, 2012-13

S No.	University/Department	Period of Inspection	Degree Program Rating	Strengths/Weaknesses
27.	Department of Agri. Extension AIC Report# 78	March 19-20, 2013	Lower band of X with 67% score	<ul style="list-style-type: none"> <li>○ Qualified, experienced faculty of nine members including four foreign Ph.Ds.</li> <li>○ Inadequate infrastructure such as non-availability of adequate lab. and multimedia facilities.</li> <li>○ Shortage of relevant books and reference material.</li> </ul>
28.	Department of Agri. Economics AIC Report# 79	March 19-20, 2013	Middle band of Y with 58% score	<ul style="list-style-type: none"> <li>○ None of the faculty members holds PhD degree, serious shortage of senior faculty.</li> <li>○ Inadequate IT facilities for students and faculty members.</li> </ul>

#### **Faculty of Agriculture, Gomal University, Dera Ismail Khan**

29.	Department of Agronomy AIC Report# 80	April 29-30, 2013	Middle band of Y with 59% score	<ul style="list-style-type: none"> <li>○ Lab equipment outdated and non-functional, experimental farm poorly maintained with no controlled/ environmental conditions.</li> <li>○ Very few and old editions of text books and Agronomy Journals.</li> </ul>
30.	Department of Entomology AIC Report# 81	April 29-30, 2013	Middle band of Y with 57% score	<ul style="list-style-type: none"> <li>○ Shortage of PhD and well experienced faculty.</li> <li>○ Limited laboratory facilities with old and non-functional equipment.</li> </ul>
31.	Department of Horticulture AIC Report# 82	April 29-30, 2013	Upper band of Y with 64% score	<ul style="list-style-type: none"> <li>○ Inadequate space for laboratories, faculty offices, class rooms and hardly an facility for floriculture, post-harvest research.</li> <li>○ Limited farm area, no plastic tunnels and growth chambers.</li> </ul>
32.	Department of PBG AIC Report# 83	April 29-30, 2013	Lower band of X with 66% score	<ul style="list-style-type: none"> <li>○ Inadequate laboratory, class rooms, faculty offices with no departmental library.</li> <li>○ Students have no access to digital library and departmental internet facility.</li> </ul>
33.	Department of Soil Science AIC Report# 84	April 29-30, 2013	Lower band of X with 69% score	<ul style="list-style-type: none"> <li>○ Class rooms, faculty offices are inadequately equipped, unsatisfactory IT facilities for faculty and students.</li> <li>○ Non-adoption of new curriculum and semester system instead of term system.</li> </ul>

#### **University College of Agriculture, University of Sargodha**

34.	Department of Agri. Extension AIC Report# 86	May 29-30, 2013	Lower band of X with 67% score	<ul style="list-style-type: none"> <li>○ Shortage of faculty especially senior and experienced faculty members.</li> <li>○ Inadequate infrastructure, class rooms, faculty offices.</li> </ul>
35.	Department of Food Science AIC Report# 85	May 29-30, 2013	Lower band of X with 67% score	<ul style="list-style-type: none"> <li>○ Inadequate lab equipment for graduate level research and teaching.</li> <li>○ Food processing pilot plant is also required.</li> </ul>

**Annexure-III**

**NAEAC Participants of Seventh and Eighth Council Meetings**  
**Seventh Council Meeting held on November 27, 2012**

1	<b>Dr. M.E. Tusneem</b> Chairman National Agriculture Education Accreditation Council (NAEAC), Islamabad	2	<b>Prof. Dr. Shahana Urooj</b> Co-Chairperson-NAEAC University of Karachi, Karachi
3	<b>Dr. Riaz Hussain Qureshi</b> Advisor (HRD) Higher Education Commission, Islamabad	4	<b>Prof. Dr. Muhammad Ashfaq</b> Dean Faculty of Agriculture, University of Agriculture, Faisalabad
5	<b>Prof. Dr. Safdar Ali</b> Dean, Faculty of Food & Crop Sciences, PMAS Arid Agriculture University, Rawalpindi	6	<b>Prof. Dr. Mian Inayatullah</b> Dean Faculty of Crop Production KPK Agricultural University, Peshawar
7	<b>Dr. Muhammad Ibrahim Keerio</b> Prof & Dean Faculty of Crop Production Sindh Agriculture University, Tandojam	8	<b>Prof. Dr. Abdul Jabbar Malik</b> Dean Faculty of Crop & Plant Sciences Lasbella University of Agriculture, Water & Marine Sciences, Lasbella
9	<b>Dr. Noor ul Islam</b> Director General Ayub Agriculture Research Institute, Faisalabad	10	<b>Mr. Muhammad Anwar Sheikh</b> Director General Agriculture Research Institute, Quetta
11	<b>Mr. Iskandar Mehmood Khan</b> Director Premier Sugar Mills, Islamabad	12	<b>Mr. Waseem Amjad Mehmood</b> Secretary Pakistan Fruit Processors Association, Lahore
13	<b>Dr. Nihal ud din Marri</b> Sugarcane Specialist Directorate Gen. of Agri. Research, Tandojam	14	<b>Dr. Tariq Bashir</b> Deputy Chief Pakistan Council for Science & Technology, Islamabad
15	<b>Dr. Javed Khattak</b> Director, Agriculture Research Institute, Tarnab, Peshawar	16	<b>Mr. Naseer Alam Khan</b> Secretary, National Agriculture Education Accreditation Council, Islamabad
17	<b>Ms. Dur-e-Shahwar Aamer</b> Deputy Director Quality Assurance Agency, HEC, Islamabad		

**Apologies:**

1. Mrs. Sumaira Samad, Additional Secretary Planning (Agriculture), Govt. of Punjab, Lahore
2. Mr. Qazi Bashir Ahmad, Secretary Agriculture, Govt. of Balochistan, Quetta

**Absences:**

1. Dr. Shakeel Ahmad Khan, Wheat commissioner, Islamabad
2. Mr. Taufiq Ahmad Khan, REAP, Ahmad Associates, Lahore

### Eighth Council Meeting held on June 24, 2013

1	<b>Dr. M.E. Tusneem</b> Chairman National Agriculture Education Accreditation Council (NAEAC), Islamabad	2	<b>Prof. Dr. Shahana Urooj</b> Co-Chairperson-NAEAC University of Karachi, Karachi
3	<b>Dr. Riaz Hussain Qureshi</b> Advisor (HRD) Higher Education Commission, Islamabad	4	<b>Prof. Dr. Ehsanullah</b> Chairman, Dept. of Agronomy, University of Agriculture, Faisalabad
5	<b>Prof. Dr. Safdar Ali</b> Dean, Faculty of Food & Crop Sciences, PMAS Arid Agriculture University, Rawalpindi	6	<b>Prof. Dr. Mian Inayatullah</b> Dean Faculty of Crop Production KPK Agricultural University, Peshawar
7	<b>Prof. Dr. Ghulam Jilani</b> Professor, Lasbella University of Agriculture, Water & Marine Sciences, Lasbella	8	<b>Dr. Noor ul Islam</b> Director General Ayub Agriculture Research Institute, Faisalabad
9	<b>Mr. Imtiaz Ali Gopang</b> Deputy Food Security Commissioner-II, MINFAL, Islamabad	10	<b>Mr. Ahmed Ali Zafar</b> Additional Secretary Planning, Government of Punjab, Lahore
11	<b>Dr. Abdul Samad</b> Director General Agriculture Research Institute Tarnab, Peshawar	12	<b>Iskandar Mehmood Khan</b> Director Premier Sugar Mills, Islamabad
13	<b>Mr. Waseem Amjad Mehmood</b> Secretary Pakistan Fruit Processors Association, Lahore	14	<b>Dr. Nihal ud din Marri</b> Sugarcane Specialist Directorate Gen. of Agri. Research, Tandojam
15	<b>Dr. Tariq Bashir</b> Deputy Chief Pakistan Council for Science & Technology, Islamabad	16	<b>Mr. Naseer Alam Khan</b> Secretary, National Agriculture Education Accreditation Council, Islamabad

**Apologies:**

1. Prof. Dr. Shamasuddin Tunio, Dean, Sindh Agriculture University, Tandojam
2. Dr. Ghulam Sarwar Tunio, Director RRI, Dokri, Larkana

**Absences:**

1. Mr. Muhammad Anwar Sheikh, D.G, Agriculture Research Institute, Quetta
2. Mr. Taufiq Ahmad Khan, REAP, Ahmad Associates, Lahore

**Annexure-IV**

**PRESS RELEASES**

# NEWS & VIEWS

Higher Education Commission, Pakistan      December 2012

## Accreditation Inspection Committees of NAEAC Visit University of Poonch

The Accreditation Inspection Committees (AICs) of the National Agriculture Education Accreditation Council (NAEAC) recently visited Faculty of Agriculture, University of Poonch, Rawalakot for on-site visit of the degree programmes. Five AICs, one each for Agronomy, Soil Science, PBG, Horticulture and Food Science were constituted for the visit.

The Dean/Principal and Heads of Departments (HODs) were taken on board for all the decisions regarding the on-site visit. The on-site visit commenced with an over-view of the degree programmes given by each HOD followed by an examination of the record and documents of



course files, review reports, records of meetings of BOS and BOF, assessment instruments, admission and withdrawal policies, dropouts, average CGPAs, average intake, yield index, availability of textbooks, journals in the departmental and main library. Detailed visit of the teaching and research laboratories were made.

Besides interaction with each faculty member, meeting with

the groups of undergraduate and graduate students were organized to obtain their views about the on-going degree programmes. Participatory SWOT Analysis with all the faculty members as well as undergraduate and graduate students was carried out to validate the SAR Contents.

Detailed meetings were held with all the members of technical and support staff, alumni and the peers.

**PRESS RELEASES**

# NEWS & VIEWS

Higher Education Commission, Pakistan

## NAEAC Accreditation Committees Visit BZU & IUB

The Accreditation Inspection Committees (AICs) of HEC's National Agriculture Education Accreditation Council (NAEAC) recently visited the Faculty of Agriculture, Bahauddin Zakariya University (BZU), Multan and the University College of Agriculture, Islamia University, Bahawalpur, for external evaluation and accreditation of the agriculture degree programmes.

Accreditation/rating process is carried-out through validation of Self-Assessment Reports of the degree programmes as well as an objective assessment of the human, physical, financial resources and facilities available for the degree programmes of BSc (Hons) and MSc (Hons).

For BZU, three AICs one each for Plant Pathology, Food Science and Technology, and Agro-Forestry were constituted. While for IUB, two AICs one each for Plant Breeding, and Genetics and Entomology were constituted.



The on-site visits commenced with an overview of the degree programmes given by each HOD followed by an examination of the record and documents of course files, review reports, records of meetings of BOS and BOF, assessment instruments, admission and withdrawal policies, dropouts, average CGPAs, average intake, yield index etc.

A detailed visit of the teaching and research laboratories, availability of textbooks, journals in the departmental

and main library, greenhouse and experimental farms was also performed.

Besides interaction with each faculty member, meeting with groups of undergraduate and graduate students were organized to obtain their views about the on-going degree programmes.

Participatory SWOT Analysis with all the faculty members as well as undergraduate and graduate students were conducted to validate the SAR Contents.

## PRESS RELEASES



اکن اے ای اے سی کے میران  
کازرعی فکلی کادورہ

*March 01, 2013*

## روزنامہ ”ایکسپریس“

روزنامه سرحد ناشر ۱۰ ایام (۱۴) خان ۸۰۱۳

میشل ایگری کچھ ابیجکیشن کوںل کے نمبر ان کا درہ گول یونیورسٹی

**Annexure-V**

**ANNUAL AUDIT REPORT OF NAEAC ACCOUNTS 2012-13**



**Zia Masood Kiani & Co.**  
CHARTERED ACCOUNTANTS

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**AUDITORS' REPORT TO THE SECRETARY**

We have audited the annexed receipt and expenditure statement of the National Agriculture Education Accreditation Council (NAEAC) for the year ended June 30, 2013 together with the notes forming part thereof (here-in-after referred to as this statement for the year then ended).

It is the responsibility of the NAEAC management to establish and maintain a system of internal control, and prepare and present the statement in conformity with the cash receipt and expenditure basis. Our responsibility is to express an opinion on the statement based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the statement is free of material misstatement. An audit includes examining on a test basis, evidence supporting the amounts and disclosures in the statement. An audit also includes assessing the accounting policies used and significant estimates made by management, as well as evaluating the overall presentation of statements. We believe that our audit provides a reasonable basis for our opinion.

In our opinion the statement presents fairly, in all material respects, the cash receipt and expenditure of the NAEAC for the year ended June 30, 2013.

ISLAMABAD  
Date: July 17, 2013

*Zia Masood Kiani & Co.*

ZIA MASOOD KIANI & CO  
Chartered Accountants

Engagement Partner  
Zia Ullah -FCA

**gmn**  
international  
PARTNERING FOR SUCCESS  
GMN International is an association of  
Locally Independent accounting firms

**NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL  
RECEIPT AND EXPENDITURE STATEMENT  
FOR THE YEAR ENDED JUNE 30, 2013**

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	Notes	<b>2013 (Rupees)</b>
<b>Receipts</b>		<b>4,800,000</b>
<b>Expenditures</b>		
Establishment costs		1,730,852
Other benefits / honorarium for program evaluators		880,000
TA/DA		1,053,626
Transportation		44,598
Communication		38,218
Stationery and other supplies		46,706
Printing and publication		58,320
Other miscellaneous expenses		5,178
Computer and office equipment*		29,030
Furniture and fixture		6,500
Audit expenses		25,450
Publicity and advertisement		80,516
Meeting and seminars		21,308
		<b>4,020,302</b>
<b>Excess of receipts over expenditure</b>		<b><u>779,698</u></b>

The annexed notes from 1 to 8 form an integral part of the financial statement.



**Secretary**



**Finance Officer**

## PICTURE GALLERY



Visit of AICs to Agriculture Faculty, University of Poonch, Rawalakot



Visit of AIC to PMAS Arid Agri. University, Rawalpindi

## PICTURE GALLERY



Visit of AICs to UCA, Dera Ghazi Khan



Visit of AICs to UCA, BZU, Multan

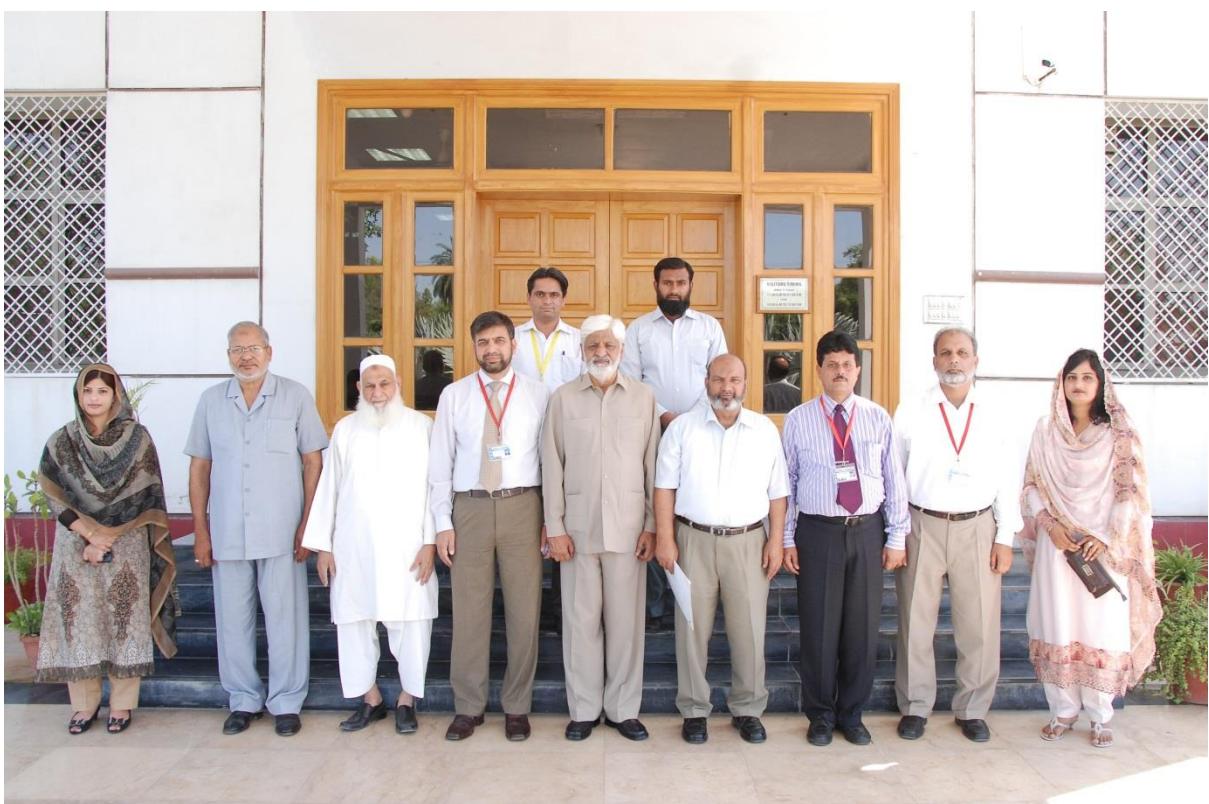


Visit of AICs to Sindh Agriculture University, Tandojam

### PICTURE GALLERY



Visit of AICs to Faculty of Agriculture., Gomal University, Dera Ismail Khan



Visit of AICs to UCA, University of Sargodha, Sargodha