



Annual Report (2006-07)

FDTTPC, ENDOWMENT FUND

Faculty Development

Technology Transfer

Product Commercialization



**DIRECTORATE OF RESEARCH
ENDOWMENT FUND SECRETARIAT
UNIVERSITY OF AGRICULTURE, FAISALABAD**

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ANNUAL REPORT
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Prepared by

DIRECTORATE OF RESEARCH
ENDOWMENT FUND SECRETARIAT (FDTTPC)
UNIVERSITY OF AGRICULTURE,
FAISALABAD

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FOREWORD

Agriculture has special significance for the economy of Pakistan as it contributes about 23% to GDP, provides employment to nearly half of the total labor force and approximately 70% population is directly or indirectly dependent on this sector. We face the challenge of ever-increasing population which compels for food imports in spite of the good fertile soils and the largest surface irrigation system of the world.

The Government of United States of America donated Beef Tallow valued at Pak. Rupees 744 million as grant to the Government of Pakistan. The contents of the agreement provided that the local currency generated through the sale proceeds of Beef Tallow will be used to establish "FDTTPC" Endowment Fund for promoting research and HRD cooperation between Pakistan and the USA in the areas of agricultural sciences.

Historically, UAF is engaged in teaching and research in agriculture and related sciences since 1906. Limited international activities through PL-480, ISMR, MART, JICA, BOSTID, Asia Linkages Program, Faisalabad Bangor Link Program and UNDP have been coordinated. All these programs were very successful in terms of scientific achievements and establishment of research and teaching laboratories.

Besides the research partnership and linkages with the US scientists, the FDTTPC Program has a built-in provision to extend Pakistan's agricultural research partnership with other national or international research systems. I would be grateful if other countries, universities and research organizations also participate for building such linkages with UAF.

I appreciate the efforts of Dr. Abdul Ghafoor, Executive Director and his colleagues in the Endowment Fund Secretariat for conceptualizing and materializing this historic program. I also appreciate the Endowment Fund Staff who compiled the 1st Annual Report for the year 2006-07 and presented the achievements in a commendable manner.

(Prof. Dr. Bashir Ahmad)
Vice Chancellor
University of Agriculture
Faisalabad

1. INTRODUCTION

1.1 BACKGROUND

The Government of Pakistan and United States of America recalling the close ties in scientific and technological cooperation, signed a US\$ 12.4 million Food for Progress, Agreement on September 15, 2003. Under this Agreement, University of Agriculture, Faisalabad (UAF) has established an “FDTTPC Endowment Fund”. The Ministry of Finance has transferred Rs. 650.00 million to UAF. The income generated through investment of the principal amount in Government approved banks/institutions shall be used for FDTTPC activities in line with the Pakistan’s long term research and development goals for the agriculture sector. The goals focus on food security, poverty alleviation and promoting broad based equitable and sustainable agriculture.

1.2 OBJECTIVES

The FDTTPC Fund shall be an independent entity and shall possess all of the powers necessary to carry out its following objectives:

- a) Support the UAF programmes for advanced training in biotechnology, agricultural sciences research, technology transfer and product commercialization.
- b) Strengthening of faculty and support R&D activities of UAF.
- c) Support similar programmes with other institutions of higher learning, private sector, not-for profit organizations, and domestic and international organizations.
- d) Encourage increased cooperation among scientists conducting agriculture-related research at universities in Pakistan and the United States of America.

The objectives of the Endowment Fund are to promote and support agricultural research and development activities and to promote long term scientific cooperation between Pakistan and the United States in agricultural sector. The scope of agriculture research and development activities will cover scientific activities related to agriculture including production, processing, marketing and agricultural services. The FDTTPC programme emphasize to support the strategic research which improves farm and animal productivity and in the areas which directly and indirectly affect the achievement of these objectives.

1.3 FDTTPC OPERATION

The University of Agriculture, Faisalabad is responsible for the operation of FDTTPC Fund and shall consist mainly of the selection, processing, approval, monitoring, evaluation and coordination of projects supported in whole or in part by the FDTTPC. The primary source of such funding shall be from the income generated through the investment of the principal amount.

The activities to be funded comprises of the following:

- i. Faculty Development
- ii. Technology Transfer
- iii. Product Commercialization

The details of the program under each component are given below:-

i. Faculty Development

The following programs may be sponsored under Faculty Development component of FDTTPC Endowment Fund:

- Ph.D. Degree Program (Indigenous & Overseas)
- Ph.D. Split Degree Program
- Post-Doctoral Fellowship
- MS Degree Program (Overseas)
- MS Split Degree Program
- Short Trainings

However, initially BoD decided to undertake short training program in different disciplines. The UAF will select on merit the faculty members for MS, Ph.D., Post-Docs and other specialized short term trainings in developed countries. The opportunities for training of UAF faculty in agricultural and allied sciences will be advertised and, candidates will be selected for the award of scholarship, on the basis of open competition and developed selection criteria.

Each applicant will submit a brief research proposal to be undertaken and will secure placement admission under the specified program of award, then prepare the required documents and submit to FDTTPC Secretariat for release of funds.

ii. Technology Transfer

Project proposals under this component may be submitted keeping in view the following general guidelines:

- The Fund shall accept proposals for technology transfer from all public entities which demonstrate needed research and development (R&D) capabilities and financial responsibilities.
- The Fund shall encourage project proposals to be developed and submitted jointly by the Pakistani and US scientists. The Fund could assist applicants who submit proposals singly to identify collaborators in the USA.
- The Fund shall support projects generally for a period of 3 years. Extensions beyond three years will require approval of the Technical Advisory Committee and BoD.

The project proposals will be processed in accordance with the procedures approved by the BoD as under:-

- The concept papers will be invited from the scientists through advertisement not exceeding 3-4 pages with one page budget estimates in priority areas of national importance identified by the UAF.
- Appraisal of concept papers by FDTTPC Fund Secretariat through Technical Experts.
- Invitation of detailed proposals in the light of recommendations by the technical reviewers.
- Review of detailed proposals by two national referees and the cooperating scientists (where applicable).
- Submission of detailed proposals to TAC along with recommendations of referees for concurrence.
- The recommendations of TAC will be submitted to the BoD for final approval and allocation of budget.
- Implementation Agreement between the executor and the UAF.
- Issuance of Administrative approval of projects.
- Monitoring, review and evaluation of projects and programs will be organized by the Endowment Fund Secretariat, UAF.

- The PI(s) will submit inception report within three months of the approval for minor adjustments in planning matrix, plan of work, methodology proposed and budget (within the allocated amount without gross level revision of budget). After inception report, no appropriation of funds will be permissible.
- The BoD will review annual progress of projects. Funding of projects that do not show adequate progress may be withheld.

Reporting and Dissemination of Results

- The Incharge (Principal Investigator) of FDTTPC funded project shall ensure timely and regular submission of financial and technical (inception & progress) reports to UAF on the prescribed proforma.
- On termination of the project, final financial report and completion report will be submitted for evaluation and settlement of accounts with FDTTPC Endowment Fund Secretariat.
- Any additional information required by the Endowment Fund Secretariat shall be supplied by the concerned Project Incharge (PI).
- The project(s) findings will be disseminated to all the stakeholders, public and private institutions.

iii. Product Commercialization

For commercialization of cutting edge product and technologies, concept papers for proposals will be invited from scientists working in the public sector agricultural organizations, who demonstrate independent R&D capabilities and financial responsibilities, under **Product Commercialization** component of the FDTTPC.

The Concept Papers will be in the areas of national importance which may contribute directly or indirectly to the enhancement of agriculture production in the country. Multidisciplinary proposals and partnership between public and private sectors will be emphasized.

2. ADMINISTRATION & MANAGEMENT

The Board of Directors (BoD) is the governing body of this fund and is responsible for its program, i.e. financial and managerial policy. The Vice Chancellor, University of Agriculture, Faisalabad (UAF) is the Chairman of BoD of FDTTPC Endowment Fund. All the activities are being executed through Endowment Fund Secretariat established in the Directorate of Research, UAF. The Rules of Business relating to operation and management of Endowment Fund have been framed and approved by Syndicate of the University on 23.12.2006.

2.1 Composition of BOD

○ Vice Chancellor, UAF (Chairman)	Ex-off
○ Vice Chancellor, NWFP Agriculture University, Peshawar	Ex-off
○ USDA Agri. Attache in Pakistan or his nominee	Ex-off
○ Agri. Specialist, USDA, US Embassy in Pakistan	Ex-off
○ Dr. Kausar A. Malik, Member Planning Commission, Islamabad	For 3-years
○ Mr. Afaq Ahmed Tiwana, Farmer Associates of Pakistan, Lahore	For 3-years
○ Prof. (R). Dr. Bakht Baidar Khan, Eminent Scientist (Livestock)	For 3-years
○ Executive Director, ALP (PARC), Islamabad	Ex-off
○ Registrar, UAF	Ex-off
○ Treasurer, UAF	EX-off
○ Director Research, UAF (Executive Director & Secretary)	Ex-off

Terms of Reference (TOR)

- ◆ Set Bylaws, Rules and Procedures to Conduct Activities.
- ◆ Establish the Organizational Framework of the FDTTPC Fund.
- ◆ Appoint Technical Experts, Reviewers and Technical Advisors for Review/Evaluation of Proposals.
- ◆ Accept contribution of property, funds and services from donors in future for the FDTTPC Fund.
- ◆ Approval of Competitive Grants for Teaching, Research, Faculty Development and other Activities of FDTTPC.

- ◆ Liaison with End Users and Scientists for Improvement and Innovations in Agriculture.
- ◆ Regulate, Determine and Administer all other Matters Concerning the FDTTPC Fund and Exercise all other Powers not specifically mentioned.

2.2 Composition of Technical Advisory Committee (TAC)

1.	Vice Chancellor, University of Agriculture, Faisalabad (Chairman)	Ex-off
2.	Vice Chancellor, University of Arid Agriculture Rawalpindi (UAAR)	Ex-off
3.	Vice Chancellor, Uni. of Vet. and Animal Sciences, UVAS, Lahore	Ex-off
4.	USDA Agri. Attache in Pakistan or his nominee	Ex-off
5.	Dr. N.I. Hashmi, Member (R), Crop Sciences, PARC, Islamabad	For three years
6.	Mr. Faisal Hassan, 99-C, Model Town, Lahore (Rep. of private sector)	For three years
7.	Prof. (R)Dr. Muhammad Bashir, Professor (R), Dept of Agri. Economics, NWFP Agriculture University Peshawar (Expert nominee)	For three years
8.	Dr. Ali Muhammad Khushk, Director, TTI, Sindh Agriculture University, Tandojam, Sindh (Expert nominee)	For three years
9.	Director General of Agriculture (Research), AARI, Faisalabad	Ex-off
10.	Director General of Agriculture (Extension & Adaptive Research), Lahore	Ex-off
11.	Director General (Research), L&DD, Lahore	Ex-off
12.	Director General (Extension), L&DD, Lahore	Ex-off
13.	All Deans of faculties, UAF.	Ex-off
14.	Director, Division of Education & Extension, UAF	
15.	Director Research, UAF (Executive Director & Secretary)	Ex-off

2.3 Executive Director

1. The Director Research, UAF will be the Executive Director of *FDTTPC* Endowment Fund. The Executive Director will be responsible for the administration and operation of the Fund under the authority and powers assigned by BoD. The office of the Executive Director will be located at UAF.
2. The Executive Director shall exercise all powers delegated to him by the BoD.
3. The Executive Director shall, among other things:
 - i. Refer proposals submitted for *FDTTPC* funding to the Technical Experts/Reviewers and TAC.
 - ii. Based on recommendations of the Technical Experts and TAC, prepare and submit to the Board for approval its annual research and development program, annual budget, and long term plans for the utilization of the *FDTTPC* resources;

- iii. Compile annual reports, organize monitoring, review and evaluation of FDTTPC projects/program and compile the audit/financial reports of FDTTPC Secretariat.
- 4. The Executive Director may organize and facilitate various activities falling under the Fund's objectives.
- 5. The Executive Director shall maintain an appropriate system of internal control, books and records (technical and financial).

2.4 Endowment Fund Secretariat

The University of Agriculture, Faisalabad established a separate office named as Endowment Fund Secretariat (FDTTPC) during January, 2007. The office is located at 8-Main Road, University of Agriculture Faisalabad. The UAF has provided following technical and administrative staff from its own resources.

- 1. One Associate Professor.
- 2. One Assistant Professor.
- 3. One Lecturer.
- 4. Supporting staff.
 - Office Assistant one
 - Data Entry Operator one
 - Senior clerk one
 - Junior clerk one
 - Qasid one
 - Record man one
 - Naib Qasid one

This Secretariat is working under the supervision of Executive Director/Director Research. The contacts of the FDTTPC are given below:-

- i. Tel & Fax: 9201125 E-mail: fdttpc_dr@uaf.edu.pk

2.5 Financial Management

Financial Management of the fund includes following activities:-

- i. Investment
- ii. Allocation and distribution
- iii. Financial control and audit

i. Investment

Keeping in view the continuous process of investment of the principal amount, the BoD approved the following standing Investment Committee.

- Dean, Faculty of Agri. Econ & Rural Sociology, UAF Convener
- Director Research, UAF Member
- Registrar, UAF Member
- Financial expert Co-opted
- Treasurer, UAF Member/Secretary

The Treasurer is responsible for all the investments and accounts on the recommendations of Investment Committee and approval of the Vice Chancellor.

ii. Allocation/distribution

All the projects and programs under FDTTPC Endowment Fund need approval of the BoD after technical evaluation by experts, the Scrutiny Committee and TAC. The BoD approved the Distribution of funds generated as under:

- Faculty Development = 30%
- Technology Transfer = 40%
- Product commercialization = 20%
- Operational cost = 10%

iii. Financial control and audit

Finance and Audit rules for Endowment Fund have been drafted, which will be approved from BoD and the Syndicate, UAF. However, for the time being the existing Finance & Audit system of the UAF is being followed.

2.6 General

Recruitment in Projects

As a policy, FDTTPC does not provide recruitment of regular staff. The FDTTPC assumes that the host institutes have sufficient trained human resources and with some essential operational and financial support, the institute will successfully run the project. However, under specific and unavoidable situations, restricted contract appointments shall be allowed as per prevalent Govt. policy. While, funds for POL/hiring of vehicle can be allocated to run designed activities as per the PC-I.

Honorarium

An honorarium equal to two months and one month running basic pay in BPS will be given to the Principal Investigator and Co-Principal Investigator respectively, at the end of each year. Honorarium to other officers/project staff associated with Endowment Fund Secretariat, UAF can only be allowed with the prior approval of BOD provided the staff is discharging additional duties in the Endowment Fund Secretariat at UAF.

Instructional Manual

An Instruction manual has been prepared by the FDTTPC Secretariat to facilitate the Scientists participating directly or indirectly in program activities. This publication embodies a set of guidelines, procedures, instructions and other proformas for developing project proposals. The terms and conditions framed are, however, subject to changes from time to time by BoD to ensure efficiency, compliance and achievements.

Website Link of FDTTPC

For information about various activities of FDTTPC, a website link has been created in the website of the university (www.uaf.edu.pk). This link is accessible as Endowment Fund Secretariat under the icon of Directorate of Research. The site can be directly viewed using the following URL http://www.uaf.edu.pk/ad/director/dir_res/endo.htm. Instructional Manual for FD, TT & PC activities can be downloaded from this site.

3. TECHNICAL REPORT

3.1 FACULTY DEVELOPMENT

Out of the approved programs under Faculty Development, only **short term trainings** were taken up as startup activities. This program has been designed with the objective to accelerate the quantum of research and development in Agricultural Universities and degree awarding institutions through research-need and equipment based short term trainings that are catalytic to the technological and socio-economic development of the country.

Under this program, teachers, scientific and technical staff and researchers of University of Agriculture Faisalabad can avail the grant for short term local as well as foreign training of their own choice but related to their current field of specialization.

Priority Areas for Short Term Training

Priority areas for Short Term Training were identified by Deans and Directors in a meeting convened on 02.11.2006 and with Dr. James Stevensons, Senior Agri. Specialist, USDA, Washington, on 11.12.2006.

Following priority areas for Short Term Training were agreed in the meeting of BoD held on 31.01.2007:-

- Poultry Science
- Molecular Genetics
- Seed Technology
- Agricultural Biotechnology/Genetic Engineering
- Embryo Transfer Technology/Embryo Cloning/Embryo Sexing
- Genome Analysis Techniques in Farm Animals
- Weed Science/Allelopathy
- Plant Virology
- Training for Laboratory Instrumentation
- Fruit and Vegetable Processing
- Nano technology in Food Processing
- Meat Technology
- Dairy technology

- Post-harvest Engineering
- Mycology and Mushroomology
- Molecular Plant Pathology
- Animal/Poultry Feed Manufacturing Technology
- Transgenic Animal Production
- Pluralistic Extension for Agricultural Technology Transfer
- Capacity Building through Extension Education
- Use of indigenous sources for Nutraceutical Foods
- Fat replacers in Food Applications
- High Pressure Cooking in Food Processing
- Project Development/Sustainable Alternative for Rural Community Development
- Environmental Impact
- Population
- Agri. Business Strategies
- Agri. Integrated Income Earning Rural Based Strategies

Processing of Applications for Short Term Training

The Endowment Fund Secretariat invited applications through National press on 17.3.2007 in DAWN & Nawa-e-waqat and through UAF Campus News of 09.03.2007 from scientists for short term training under Faculty Development component in the following areas:

- a) Seed Technology
- b) Agricultural Biotechnology/Genetic Engineering
- c) Embryo Transfer Technology/Embryo Cloning/Embryo Sexing
- d) Plant Virology
- e) Training for Laboratory Instrumentation
- f) Transgenic Animal Production
- g) Environmental Impact
- h) Agri. Business Strategies

Due to poor response, the same training program was re-advertised in the national press (on 15.07.07 in The Nation, 17.07.07 in Daily Khabrain & 18.07.07 in Sadaat and 20-07-07 in UAF Campus News). Further, the training courses available / offered all over the world were searched by this office and indicated to the potential candidates. Candidates were encouraged to identify the avenues in the related fields at their own. No funds were expended during 2006-07 for this activity.

3.2 Technology Transfer

Priority areas for Technology Transfer were identified in a meeting with stakeholders, farmers, researchers and industrialists held on 6.12.2006 at UAF and in the meeting held on 11.12.2006 with Dr. James Stevensons, Senior Agri. Specialist, USDA, Washington.

Priority Areas Selected for Technology Transfer:

- Water use efficiency
- Post harvest technologies
- Animal Health care and Production Strategies
- Modern production technologies for different field crops
- Brackish irrigation water management and heavy metal contaminated soils and water management
- Salt affected soil management
- Rejuvenation of orchards/forests
- Farm Implements for economical production of crops in irrigated areas
- Low cost technologies for balance nutrition of animals
- Integrated pest management
- Value addition products
- Agri. Marketing technologies
- Commodity exchange
- Hybrid seed production technologies

Processing of Projects under Technology Transfer

The Endowment Fund Secretariat invited concept papers under Technology Transfer component during March 2007 through National Press (on 17.3.2007 in Dawn & Nawa-e-Waqt, 18-03-07 in Daily Millat, 19-03-07 in UAF Campus News) in the following areas:

- a) Water use efficiency
- b) Post harvest technologies
- c) Animal Health Care and Production Strategies
- d) Modern production technologies for different field crops
- e) Management of brackish and heavy metal contaminated soils and brackish waters

In response, 51 concept proposals were received for preliminary evaluation. These were got evaluated by experts and comments were conveyed to PIs to prepare detailed proposals. Afterwards, 38 full blown project proposals were received from Scientists. These project proposals were sent to experts all over the country for technical evaluation. Each project proposal was sent to two experts for technical evaluation. No funds were expended during 2006-07 for this activity.

3.3 Product Commercialization

The BoD constituted a committee to emphasize the ways and means pertaining to Product Commercialization. The BoD suggested the University of Agriculture Faisalabad to develop companies on priority to promote partnership between public and private sector, develop database of technologies ready for commercialization. No funds were expended during 2006-07 for this activity.

4. FINANCIAL REPOR

As per agreement, an amount of Rs.744.0 million (US\$ 12.4 million) was to be received through Higher Education Commission (HEC) for Strengthening of Agri. Academia and Faculty Development, Technology Transfer and Product Commercialization (FDTTPC) for the establishment of Endowment Fund Secretariat at UAF. An amount of Rs. 650.0 million was released/provided by the Ministry of Finance, Government of Pakistan through HEC. The BoD approved an investment committee which meets frequently. On the recommendations of the investment committee, the principal amount was invested in banks at various rates of profit on quarterly and half yearly basis.

The BoD, FDTTPC Endowment Fund in its meeting held on 13.11.2007 approved the investment, allocation and expenditure for the year 2006-07 as under:

4.1 Investment

Sr.#	Name of Bank	Amount invested	Duration	Encashment	Rate of Profit
1.	National Bank of Pakistan	650.0	June 06 to Oct. 06	--	8.00%
2.	National Bank of Pakistan	390.0	Nov. 06 to Jan. 07	--	8.00%
3.	The Bank of Punjab	260.0	Nov. 06 to Nov. 07	Quarterly basis	11.25%
4.	National Bank of Pakistan	260.0	Feb. 07 to Feb. 08	Half yearly basis	10.30%
5.	The Bank of Punjab	130.0	Feb. 07 to Feb. 08	Half yearly basis	12.00%
6.	Habib Bank Ltd.	030.0 (out of income)	April 07 to July, 07	Quarterly basis	9.30%
	Total Investment:	680.0			

Total income accrued and received up to 30.06.2007 from the above mentioned investment was Rs. 40.476 million.

4.2 Allocation/Expenditure

The detail of component-wise share and expenditure incurred during 2006-07 is given as under:

Rs.in million					
Sr.#	Components	Share	Allocation	Actual Expenditure	Unspent balance
1.	Faculty Development	30%	12.143	Nil	12.143
2.	Technology Transfer	40%	16.190	Nil	16.190
3.	Product Commercialization	20%	8.095	Nil	8.095
4.	Operational Budget	10%	4.048	1.888	2.160
	Total:		40.476	1.888	38.588

The BoD decided that unspent balance under “operational budget” may be carried forward for expenditure under the same head during financial year 2007-08, while the unspent balance of other components should be re-invested and made part of the principal amount. Annual expenditure statement 2006-07 duly verified by the Treasurer and Resident Auditor is annexed (Appendex-1).

4.3 Principal Amount

As per suggestions received through an e-mail from Dr. James Stevensons, Senior Agri. Specialist, USDA Washington, an amount equal to inflation rate was to be retained to counter the devaluation of the principal amount. The BoD decided that to counter the yearly inflation and to expand Endowment Fund, a portion of total earnings (from the invested amount) should be retained and made part of principal amount at the end of each fiscal year. The BoD decided that for the financial year 2006-07, unspent funds allocated for components under Faculty Development, Technology Transfer and Product Commercialization should be made part of the principal amount. The principal amount increased from Rs. 650.0 to Rs.680.0 million as per detail given below:

Amount received from HEC	Rs.650.0 million
Contribution to principal amount	Rs. 30.0 million
Total principal amount	Rs.680.0 million

ANNUAL EXPENDITURE STATEMENT
(OPERATIONAL BUDGET)
FOR THE FINANCIAL YEAR 2006-07

DETAIL OF OPERATIONAL BUDGET (10%)				
Budget Code	Head	Actual Budget	Expenditures	Closing Balance
A037	Contractual Services	1,00,000.0	-	1,00,000.0
A03805	TA/DA to Office Staff	1,00,000.0	3,896.0	96,104.0
A01273	Honorarium	2,00,000.0	-	2,00,000.0
A03807	POL/Running Cost of Vehicle/Hiring of Vehicles	2,00,000.0	-	2,00,000.0
A03905	News Paper, Periodicals & Books	47,578.0	1,103.0	46,475.0
A03901	Stationary	4,00,000.0	47,576.0	3,52,424.0
A03201	Postage and Courier etc.	50,000.0	-	50,000.0
A03202	Telephone and Trunk Calls,E.Mail/Internet	70,000.0	-	70,000.0
A03902	Printing & Publications etc.	50,000.0	-	50,000.0
A06301	Entertainment Charges	50,000.0	-	50,000.0
A03907	Publicity& Advertisement	50,000.0	-	50,000.0
A03903	Seminars/Workshops	50,000.0	-	50,000.0
A03940	Others Contingencies	2,00,000.0	52,313.0	1,47,687.0
A137	Computer & Office Equipment	50,000.0	-	50,000.0
A132	Furniture & Fixture	50,000.0	-	50,000.0
A13301	Repair & Maintenance of Office Building	1,00,000.0	-	1,00,000.0
A13304	Miscellaneous	50,000.0	7,196.0	42,804.0
A092	Computer & Office Equipment	20,00,000.0	16,32,856.0	1,67,144.0
A097	Furniture & Fixture etc.	2,30,000.0	1,42,730.0	87,270.0
Total:-		40,47,578.0	18,87,670.0	21,59,908.0

Sd/-
Executive Director (FDTTPC)/
Director Research

Sd/-
Auditor,
University of Agriculture,
Faisalabad

Sd/-
Treasurer,
University of Agriculture,
Faisalabad