

# Ministry of Higher Education

## Higher Education Development Program

### Approved Research Proposals' List-HEDP-2017

Approval by the Research Committee:

The following mentioned proposals (Table 1.1) were collected from the university teachers and presented to the research committee of the Ministry of Higher Education. After careful review and evaluation based on the criteria designed by the Research Directorate, MoHE, some proposals were sent back to the researchers for minor correction and further improvement. After the recommended corrections, the above mentioned proposals have been approved by the research committee members.

Note: It is to be noted that the budget of some projects a little exceed the amount that was allocated for both individual and group research projects. Therefore, after the approval of NOL from the World Bank, the budget will be re-negotiated with the researchers and be brought within the range of the World Bank research grants (8000 USD for group research and 2000 USD for individual research).

Table 1.2 shows committee members, who are the signatories to the approval of this list of Research proposals -2017:

Table: 1.1

| No | Code                     | Title of the research proposal   | Researcher   | Academic degree            | University  | Budget in AFN | Budget in USD | Duration | Type of research |
|----|--------------------------|--|--|----------------------------|---|---------------|---------------|----------|------------------|
| 1  | MOHE/HE DP/GRP/2 017/066 | Biomedical waste management in Kandahar city   | Khadem Hussain Saeedi, Abdul Wahid Monib                         | Master<br>Master           | Faculty of Biology, Kandahar university                           | 295,000 AFN   | 4,404 USD     | 6 Months | Group            |
| 2  | MoHE/HE DP/GRP/2 017/052 | Investigating the Causes of Depression among University Students and Ways of Treatment | Ahmad Shah Bena, Mohammadullah Mutamid, Mohammad Basir Bakhtyari | Master<br>Master<br>Master | Faculty of Psychology and Educational sciences, Bamyan University | 464000 ANF    | 6,927 USD     | 6 Months | Group            |

|   |                          |  |  |  |  |  |            |             |       |
|---|--------------------------|--|--|--|--|--|------------|-------------|-------|
| 3 | MoHE/HE DP/GRP/2 017/034 | Effect of cutting size, number of buds and potatoes on sprouting and adventitious root formation of rose soft wood cuttings                | Emal Wali, Shafiqul Shafiqi, Ahmadyar Ahmadi   | Master<br>Master<br>Bachelor   | Faculty of Agriculture Shaikh Zayed University       | 454,710 AFN  | 6789 USD   | 8 Months    | Group |
| 4 | MoHE/HE DP/GRP/2 017/083 | The effects of various protein and energy supplements on broiler chickens growth performance in the presence or absence of feed additives. | Ajmal Wali, Noori, Saifullah   | Master<br>Bachelor<br>Bachelor   | Faculty of Agriculture, Sheikh Zayed University      | 481, 717 AFN   | 7,192 USD  | 10 Months   | Group |
| 5 | MoHE/HE DP/GRP/2 017/040 | Effects of Nematode Haemonchus contortus on blood parameters and growth of Lambs   | Ahmad Fared Rawan, Sayed Attaulhaq Banuree   | Master<br><br>Bachelor   | Faculty of Veterinary, Nangarhar University          | 487500 AFN   | 7, 278 USD | 6. 5 Months | Group |
| 6 | MoHE/HE DP/GRP/2 017/015 | Required IT Competencies in Industry versus IT education of Public Universities in Kabul   | Sayeed Hassan Adelyar,<br><br>Noor Mohammad Atapoor                                      | Phd (Software Engineering)<br>Master (Computer Application)                              | Faculty of Computer Science, Kabul University        | 545000 AFN<br>Should be emailed regarding the budget | 8, 271 USD | 12 Months   | Group |
| 7 | MoHE/HE DP/GRP/2 017/080 | River Change Detection and its protection Using Remote Sensing and Geographic Information System   | Abdul Basir Mahmood Zada,<br><br>Mohammad Muhsin Azizi,<br><br>Abdul Saboor Mahmood Zada | Master of Engineering<br><br>Master of Engineering<br><br>Bachelor of Mining Engineering | Faculty of Engineering (Geology), Jawzjan University | 547675 AFN<br>Should be emailed regarding budget     | 8, 177 USD | 12 Months   | Group |
| 8 | MoHE/HE DP/GRP/2 017/117 | Effect of Transformational and Transactional Leadership on   | Mirwais Ahmadzai, Jamshid Haidary  | Phd Student<br><br>Master in Economics   | Faculty of Economy, Kabul University                 | 495, 633 AFN   | 7400 USD   | 24 Weeks    | Group |

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|--------------------------------------|-------------------------|--|---|--|---|--------------|------------|-----------|------------|
|                                      |                         | Job Satisfaction: A case of Afghanistan Investment Support Agency  |   |  |   |              |            |           |            |
| 9                                    | MoHE/HE DP/GRP/2017/026 | Effect of different levels of Phosphorus and Biofertilizers on growth and yield of soybean in Paktia, Afghanistan” | Dr. Syed Wali Jalalzai, Yousaf Khan Ziar, Nazeer Khan Mohammadi, Mohammad Gul Arabzai | Ph.D.<br>M.Sc.<br>B.Sc.<br>B.Sc.               | Faculty of Agriculture (Soil Science), Paktia University    | 275332 AFN   | 4,110 USD  | 6 Months  | Group      |
| 10                                   | MoHE/HE DP/GRP/2017/033 | Afghan University Students’ Attitudes and Motivation towards ESP and EGP Courses                                   | Toufiq Sarwarzada, Khalid Ahmad Siddiq Mir Abdullah Miri                              | M.A. Linguistics<br>M.A. English<br>M.A. TESOL | Faculty of Languages and Literature, Herat University       | 594300 AFN   | 8,873 USD  | 6 Months  | Group      |
| <b>Individual Research Proposals</b> |                         |  |   |  |   |              |            |           |            |
| 11                                   | MoHE/HE DP/IRP/2017/055 | Standardization of Organic and Inorganic Fertilizer and its effect on growth and yield of Cauliflower              | Ahmad Hussain Rasikh  | M.Sc.  | Faculty of Agriculture, Bamyan University                   | 112000 AFN   | 1,672 USD  | 4 Months  | Individual |
| 12                                   | MoHE/HE DP/IRP/2017/048 | Investigate the Factors Affecting the Development of Market of Aquaculture and Processed Products in Afghanistan   | Mojtaba Nikzad  | Master in Agricultural Economics               | Faculty of Economics and Management, Kateb University Kabul |              | 2000 USD   | 12 Months | Individual |
| 13                                   | MoHE/HE DP/IRP/2017/030 | Effect of different levels of phosphorus fertilizer on growth and yield of wheat (Triticum aestivum L.)            | Hikmatullah Obaid   | M.Sc. (Agr)                                    | Agronomy Division ANASTU Research Farm, Kandahar            | 135, 250 AFN | 2, 019 USD | 7 Months  | Individual |
| 14                                   | MoHE/HE DP/IRP/2017/115 | Determinants of FDI inflow in Afghanistan during 2002-2016   | Jamshed Haidery   | Master of Economy                              | Faculty of Economy, Kabul University                        | 133, 955 AFN | 1950 USD   | 24 Weeks  | Individual |

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|----|--------------------------|---|--------------------------|--------------------------------|---|--|------------|-----------|------------|
| 15 | MoHE/HE DP/IRP/20 17/054 | Relationship between Internet Addictions and Academic Performance among Afghans University Students   | Hassan Rahnoward Ghulami | Master of Science (Statistics) | Faculty of Science, Bamyan University               | 185000 AFN<br>Should be emailed regarding the budget | 2, 762 USD | 7 Months  | Individual |
| 16 | MoHE/HE DP/IRP/20 17/042 | Influence of application methods of bio-fertilizers on yield performance of onion   | Saidajan Attiq Abdiani   | Master                         | Agriculture faculty, Nangarhar university           | 131, 141 AFN   | 1,958 USD  | 8 Months  | Individual |
| 17 | MoHE/HE DP/IRP/20 17/069 | Effect of Number of Buds and Disbudding on Root Production and Vegetative Growth of Grape Cuttings ( <i>Vitis vinifera</i> L.)".                                      | Said Ahmad Asim Hashemi  | M.Sc.                          | Faculty of Agriculture, Baghlan University          | 132000 AFN   | 1, 970 USD | 12 Months | Individual |
| 18 | MoHE/HE DP/IRP/20 17/065 | Municipal solid waste management analysis in Kandahar city  | Khadem Hussain Saeedi    | Master                         | Faculty of Education (Biology), Kandahar University | 133,000 AFN  | 1, 985 USD | 6 Months  | Individual |
| 19 | MoHE/HE DP/IRP/20 17/019 | Effect of varying Phosphorus levels on productivity and profitability of mungbean ( <i>Vigna radiata</i> L. wilczek) in semi-arid conditions of Kandahar, Afghanistan | Hamdullah Hamim          | M.Sc. Agronomy                 | ANASTU Research Farm Kandahar Afghanistan           | 25169 AFN  | 376 USD    | 4 Months  | Individual |
| 20 | MoHE/HE DP/IRP/20 17/029 | Effect of different doses of nitrogen and splitting (time) applications on growth and yield of soybean  | Sharifullah Sharifi      | M.Sc. Agronomy                 | ANASTU Reasech Farm Kandahar Afghanistan            | 134, 400 AFN   | 2000 USD   | 5 Months  | Individual |
| 21 | MoHE/HE DP/IRP/20 17/041 | Effects of foliar application of urea on the yield of tomato.   | Gulbuddin Gulab          | Master                         | Faculty of Agriculture, Nangarhar University        | 133700 AFN   | 1, 996 USD | 6 Months  | Individual |

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|----|--------------------------|---|---------------------|---|---|--|------------|------------|------------|
| 22 | MoHE/HE DP/IRP/20 17/091 | Identifying Medical plants in Parwan Province and its impact on economic growth of the households             | Latifa Sadat        | Master                                  | Faculty of Education (Biology), Parwan University | 130000 AFN   | 1,940 USD  | 10 Months  | Individual |
| 23 | MoHE/HE DP/IRP/20 17/025 | To study the health and nutritional status of students residing at kunduz university hostels (boys and girls) | Ghulam Rasoul Fazli | Phd in human food science and nutrition | Faculty of Agriculture, Kunduz University         |  | 1,846 USD  | 6 Months   | Individual |
| 24 | MoHE/HE DP/IRP/20 17/092 | Role of Gibberellin hormone in grape's growth   | Latifa Sadat        | Master                                  | Faculty of Education (Biology), Parwan University | 130000 AFN   | 1, 940 USD | 12 Months  | Individual |
| 25 | MoHE/HE DP/IRP/20 17/084 | Crop Residues Energy Potential in the South-western Zone of Afghanistan                                       | Abdul Ghani Noori   | Master                                  | Faculty of Engineering, Kandahar University       | 108, 950 AFN   | 1, 626 USD | 12 Months  | Individual |
| 26 | MoHE/HE DP/IRP/20 17/002 | Effect of different levels of nitrogen and time of sowing on growth and yield of wheat (Triticum aestivum L.) | Mukhtar Ahmad Faiz  | Master in Agronomy                      | Faculty of Agriculture, Kandahar University       | 129700 AFN   | 1,936 USD  | 8 Months   | Individual |
| 27 | MoHE/HE DP/IRP/20 17/001 | Demand for and supply of public health services in eastern region of Afghanistan                              | Shams Ud Din        | MS (Finance)                            | Alfalah University Jalalabad (Private)            | 129, 266 AFN   | 1930 USD   | 6.5 Months | Individual |
| 28 | MoHE/HE DP/IRP/20 17/057 | The Impact of farmyard manure on the yield and baking quality of wheat  | Khairullah          | MSc Agronomy                            | Faculty of Agriculture, Baghlan University        | 131000 AFN   | 1, 955 USD | 12 Months  | Individual |
| 29 | MoHE/HE DP/IRP/20 17/023 | Incidence of Haemoprotozoan diseases in Cattle & Buffalo in Bihsood district /Nangarhar Province              | Mohammad Malyar     | Assistant Prof                          | Faculty of Veterinary, Nangarhar University       | 158300 AFN<br>Should be emailed regarding the budget | 2,363 USD  | 8 months   | Individual |

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|----|--------------------------------|---|----------------------------|-------------------|--|---|-----------|----------|------------|
| 30 | MoHE/HE<br>DP/IRP/20<br>17/013 | Study on women<br>participation in livestock<br>activities in Nangarhar<br>province | Sayed Ataul Haq<br>Banuree | Bachelor<br>(DVM) | Faculty of<br>Veterinary,<br>Nangarhar<br>University | 138, 800 AFN<br>Should be<br>emailed<br>regarding<br>budget | 2,072 USD | 6 Months | Individual |
|----|--------------------------------|---|----------------------------|-------------------|--|---|-----------|----------|------------|