

deklarace Blatník
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CZECH REPUBLIC
DEVELOPMENT COOPERATION



CONTRACT
CONCERNING THE IMPLEMENTATION OF PROJECT
“ENHANCEMENT OF TECHNICAL EDUCATION IN CAMBODIA”
FUNDED BY THE GOVERNMENT OF THE CZECH REPUBLIC
WITHIN THE FRAMEWORK OF THE DEBT RESETTLEMENT
WITH THE KINGDOM OF CAMBODIA

BETWEEN

Embassy of the Czech Republic in the Kingdom of Cambodia
Represented by: **Ambassador Dr. Vítězslav Grepl**
Address: **The ICON Professional Building (5th floor)**
216 Norodom Boulevard
Tonle Bassac, Chamkarmon
Phnom Penh
Contact Person: **Jana Gašparíková**
Phone: **+855 23 726 623, +855 965 863 652**
E-mail: **jana_gasparikova@mzv.cz**
Bank Connection:
Account Number: **000000001538**
Bank Name: **National Bank of Cambodia**

(hereafter „Diplomatic Mission“)
AND

Czech University of Life Sciences Prague
Represented by: **Rector prof. Ing. Jiří Balík, CSc., dr. h. c.**
Address: **Kamýcká 129, 165 21 Praha 6 - Suchbátka**
Contact Person: **Ing. Kristina Rušarová**
Phone: **+ 420 735 191 791**
E-mail: **rusarova@ftz.czu.cz**
Identification Number (IČO): **60460709**
Bank Connection:
Account Number: **19-5504550287/0100**
Account Name: **Česká zemědělská univerzita v Praze**
Bank Name: **Komerční banka, a. s.**
SWIFT: **KOMB CZPP XXX**
IBAN: **CZ1101000000195504550287**

(hereafter „Implementing Partner“)

(hereafter “Contracting Parties”)

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1. SUBJECT OF THE CONTRACT

- 1.1. The subject of this Contract is the implementation of project **“Enhancement of Technical Education in Cambodia” (No. 04/2015)** by the Implementing Partner funded by the Government of the Czech Republic within the framework of the Debt Resettlement with the Kingdom of Cambodia as specified in the Appendix (Proposal Form including Annex 1 and 2) to this Contract in the form of subvention (hereinafter referred to as the “Project”).
- 1.2. The Project shall be completed **within 18 months** after the date of signature of the Contract.
- 1.3. The Implementing Partner shall implement the Project and shall use the funds provided by the Diplomatic Mission solely for the purposes of the Project, in accordance with the terms and conditions set out in this Contract and its Appendix.

2. TERMS OF PAYMENT

- 2.1. The Diplomatic Mission shall pay to the Implementing Partner the costs of the Project up to the maximum amount of **USD 278,000** in accordance with the Proposal Form in the Appendix to this Contract.
- 2.2. The Diplomatic Mission shall pay **the deposit of 40 %** of the maximum amount of the Project’s costs within fifteen (15) days from the signing of this Contract. The Implementing Partner shall submit to the Diplomatic Mission accounting documents evidencing the expenditures equal to the above deposit payment no later than 180 days from the date of payment.
- 2.3. The Diplomatic Mission shall pay **the deposit of 40 %** of the maximum amount of the Project’s costs within fifteen (15) days since the completion of all activities of Phase I (August 2015 – January 2016) as are mentioned in the Appendix (Proposal Form).
- 2.4. The Diplomatic Mission shall pay **the balance** of the maximum amount of the Project’s costs **after the completion of all activities** mentioned in the Proposal Form (in the Appendix to this Contract) and within fifteen (15) days from the receipt of the accounting documents by a duly authorized representative of the Diplomatic Mission.
- 2.5. The Implementing Partner shall submit to the Diplomatic Mission scans of accounting documents for the costs related to the Project, as detailed in the Appendix. The original accounting documents shall be accessible upon request at the Implementing Partner’s headquarters in Prague.
- 2.6. All payments shall be made in USD through the bank transfer to the above mentioned Implementing Partner’s bank account on the base of “request of reimbursement”.

3. RIGHTS AND OBLIGATIONS OF THE CONTRACTING PARTIES

- 3.1. The Diplomatic Mission may, at its discretion, conduct monitoring and evaluations of the Project.
- 3.2. When implementing the Project and presenting its results, the Implementing Partner shall acknowledge that the Project is co-financed from the Czech Republic Development Cooperation budget and shall **use the Czech Republic Development Cooperation logo** provided by the Diplomatic Mission.
- 3.3. By 31st February 2016 and 31st August 2016, the Implementing Partner shall submit to the Diplomatic Mission **a brief written interim report** on the current state of Project implementation and current drawing of funds from the Czech Republic’s Official Development Cooperation budget.

the activities, results and benefits of the Project. A financial report shall form an integral part of the final report. All reports shall be in English.


4. TERMINATION OF THE CONTRACT

- 4.1. Either Contracting Party may terminate this Contract, in whole or in part, if the other Contracting Party substantially breaches the Contract, by a notice in writing given to the other Contracting Party. Upon such termination, the Implementing Partner shall be reimbursed for the work done and expenses incurred up to the effective date of such termination.
- 4.2. Any misconduct, negligence, default or non-compliance with any of the terms and conditions of the Contract on the part of the Implementing Partner will be grounds for an immediate termination of the Contract by the Diplomatic Mission. In such event, all payments to the Implementing Partner shall be discontinued on the date of termination of the Contract, unless stated otherwise in writing by the Diplomatic Mission.
- 4.3. No offer, gift or payment, consideration or benefit of any kind which constitutes an illegal or corrupt practice has or will be made to anyone, either directly or indirectly, as an inducement or reward for the award or execution of this Contract. Any such practice will be grounds for immediate termination of this Contract or for any other corrective action as appropriate.
- 4.4. The Diplomatic Mission shall be entitled to determine, at its sole discretion, whether there are grounds for immediate termination of the Contract in accordance with this Article.
- 4.5. In case there are grounds for immediate termination of the Contract in accordance with this Article, such grounds shall be communicated to the Implementing Partner in writing.

5. GENERAL PROVISIONS

- 5.1. Any amendment to this Contract, including its Appendix, shall be made in writing and signed by both Contracting Parties; otherwise the amendment shall be null and void.
- 5.2. This Contract, including the Appendix and any amendments to this Contract and its Appendices as approved in writing by the Diplomatic Mission and the Implementing Partner, constitutes the full agreement between and is binding on the Contracting Parties.
- 5.3. The Contracting Parties encourage the prompt and equitable settlement of any disputes arising from or related to this Contract. The Contracting Parties agree to negotiate their disputes directly and in good faith within a period not exceeding thirty (30) days after receiving a written notification of the existence of a dispute from the other Contracting Party.
- 5.4. This Contract is governed by the laws of the Czech Republic and any action that may arise from it shall be brought before the courts of the Czech Republic.
- 5.5. This Contract shall take effect upon its signature by duly authorized representatives of both Contracting Parties, and shall remain in effect for the duration of the Project.

Done in Prague on ¹⁹⁻⁰⁸⁻²⁰¹⁵ August 2015 in two originals in the English language.

For the Diplomatic Mission 

For the Implementing Partner


Dr. Vítězslav Grepl


prof. Ing. Jiří Balík, CSc., dr. h. c.





CZECH REPUBLIC
DEVELOPMENT COOPERATION

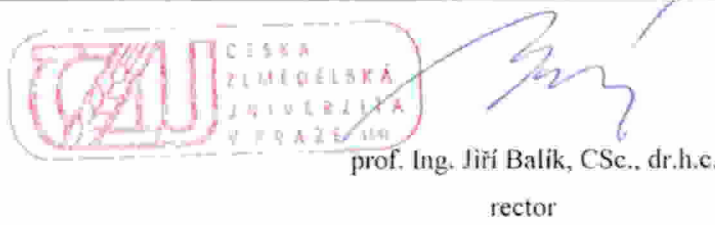
Proposal Form

Enhancement of Technical Education in Cambodia
funded by the Government of the Czech Republic
within the framework of the Debt Resettlement with the Kingdom of Cambodia.

<i>Beginning of Project</i>	<i>August 2015</i>	<i>Termination of Project</i>	<i>January 2017</i>
<i>1. Total Project Budget</i>			
<i>In USD</i>	280,000		
<i>2. Requested Funding from the Czech Republic</i>			
<i>In USD</i>	278,000		
<i>3. Additional Funding from Other Sources (if applicable)</i>			
<i>In USD</i>	0		
<i>4. Applicant</i>			
<i>Name of Organization</i>	Czech University of Life Sciences Prague		
<i>Acting By and Through (name and position)</i>	prof. Ing. Jiří Balík, CSc., dr.h.c. rector		
<i>Telephone Number</i>	+ 420 22438 4081		
<i>Email Address</i>	balik@af.czu.cz		
<i>Fax Number</i>	+ 420 22438 4081		
<i>Website</i>	http://www.czu.cz/en/		

<p>5. Description of Intervention and Project Results <i>Brief description of intervention and list of expected direct/tangible results of the project.</i></p>
<p>Description of Intervention and Project Results is attached in Annex 1.</p>
<p>6. Project Activities <i>List of activities to be carried out in order to achieve the above mentioned project results.</i></p>
<p>Project Activities description is attached in Annex 1.</p>
<p>7. Project Time Frame or Schedule <i>Major project phases and milestones, with performance target dates for achieving them.</i></p>
<p>Project Time frame is attached in Annex 1.</p>
<p>8. List of Key Project Participants <i>Names and qualifications of the key personnel indicating who is who. CVs demonstrating qualifications must be submitted.</i></p>
<p><u>Project management</u> Kristina Rušarová – <i>project and financial manager</i> Anna Hubáčková – <i>assistant of the project manager, administration, PR</i> Keo Socheat – <i>manager in Cambodia</i> Petra Chaloupková – <i>coordination with RUA</i></p> <p><u>Experts</u> Zbyněk Polesný – <i>agronomy</i> Akhir Pebriansyah – <i>animal husbandry</i> Lukáš Kalous / Miroslav Petrtýl – <i>aquaculture</i> Jan Banout / Iva Kučerová – <i>processing of agricultural products</i> Karel Vitek – <i>school farm establishment, processing of agricultural products</i> Jana Mazancová – <i>pedagogy and didactics, promotional campaign, cooperation with selected high school</i> Václav Klapetek – <i>solar systems and water resources</i></p> <p>Short description of the management and experts' experience and responsibilities is attached in Annex 1. CVs of key project management and experts are attached in Annex 5.</p>
<p>9. Budget Proposal in USD <i>(Please fill in the separate form in Excel)</i></p>
<p>Budget is attached as Annex 2.</p>

10. Final Clauses

<i>Done in (city)</i>	Prague
<i>Date</i>	12.8.2015
<i>Submitted by (name and position)</i>	Ing. Kristína Rušarová coordinator of development projects, Faculty of Tropical AgriSciences
<i>Telephone</i>	+420 22438 3476
<i>Email</i>	rusarova@ftz.czu.cz
<i>Signature and Stamp</i>	 <p>prof. Ing. Jiří Balík, CSc., dr.h.c. rector</p>

Annex 1 – Project description

5. Description of Intervention and Project Results

Improvement of education quality, particularly in technical subjects, is highly dependent on effective know-how transfer to students with use of modern teaching methods, regular use of practical educational materials and organization of practical lessons at demonstration facilities. The proposed project aims to enhance quality of technical education at King Norodom Sihamoni General and Technical High School in Aur Russei Commune through know-how transfer of both Czech and Cambodian experts and material support relevant to technical education at the school. High emphasis will be put on the incorporation of sustainable innovative approaches in crop production, animal breeding and processing of agricultural products, suitable for local conditions, into education of technical subjects. Modern and sustainable approaches in electricity network establishment and maintenance will be regarded. Modern methods in technical education (both theoretical and practical) will be applied as well.

The project team will draw on experiences with similar projects implemented in Angola, Cambodia, Mongolia and Vietnam (see Reference and Declaration of the implemented projects in Annex 3). Moreover, implementation of the proposed project will be interconnected to the currently implemented project of the Czech University of Life Sciences Prague (CULS) *Support for improving the quality of scientific research, teaching and international activities at universities in Cambodia*. Based on the CULS cooperation with Royal University of Agriculture (RUA) since 2012, participation of the RUA experts is planned as well (the project expects participation of RUA experts). Generally, interventions under the Activity 1.1 will be implemented together by CULS and RUA experts. The project implementation will consider experiences and outputs gained within the KOICA intervention at the King Norodom Sihamoni General and Technical High School. In addition, MoEYS (Vocational Orientation Department above all) and other partners will be included in the process of the project activities' planning and implementation.

The project proposal tends to interconnect know-how of Czech and Cambodian teachers in technical subjects relevant to agronomy, animal husbandry, processing of agricultural products and electricity. This will be based on the participation of the CULS experts directly in Cambodia, as well as on the establishment of the cooperation between the King Norodom Sihamoni General and Technical High School and one or two high schools in the Czech Republic whose technical study programmes correspond to the orientation of the King Norodom Sihamoni General and Technical High School. Selection of the appropriate schools in the Czech Republic will be done through the Institute of Education and Communication of CULS which has deep experiences with trainings of teachers of more than 30 Czech high schools with technical study programmes. In the framework of the proposed project, experience sharing among the teachers of the King Norodom Sihamoni General and Technical High School and the selected Czech high schools is planned to be implemented in the Phase II of the project. The experience sharing will be done directly in the Czech Republic within three weeks study visit of three teachers of the King Norodom Sihamoni General and Technical High School.

Regarding basic information in the call for proposals about the actual state of the school and study programmes, the design of the project proposal supposes flexible alterations in order to respond the school needs in the most appropriate way. The proposed activities content will be mutually specified in detail by the management of the King Norodom Sihamoni General and Technical High School and the project management at the project beginning (in the Phase I).

Within the project four results will be achieved:

1. Improved quality of technical education

The improvement will be achieved through soft and hard interventions – know-how transfer and provision of materials. At the project beginning and termination, assessment among teachers and students will be carried out in order to define the effect of the implemented activities.

Indicators: (i) Higher satisfaction (by 20% measured with the Likert scale – self-assessment of teachers and students) of both teachers and students at the King Norodom Sihamoni General and Technical High School with the quality of classes in technical subjects. (ii) Students understand topics given within the technical subjects better (by 20% measured with the Likert scale – self-assessment of students) and are more competent in the practical skills (by 20% measured with the Likert scale – self-assessment of teachers).

2. The school is endowed with new demonstration facilities

Within the project a school farm and a centre of agricultural products processing will be established. Both facilities will primarily serve for demonstration purposes for the students of the King Norodom Sihamoni General and Technical High School. Nevertheless, they can be used within the trainings for local farmers as well.

Indicators: (i) Newly established school farm and centre of agricultural products processing are regularly used within practical classes of technical subjects at the King Norodom Sihamoni General and Technical High School.

3. Raised awareness about technical education in the KompongChhang Province

Raised awareness among lower secondary students will be achieved through organization of Open Days of the facilities of technical education and through the campaign with leaflets, posters, radio and TV.

Indicators: (i) 5% of the lower secondary students in KompongChhang Province know about the possibility of study programmes in technical education; (ii) Number of registered students in 2016 increased by 10% in comparison with 2015.

4. The school is endowed with water and electricity resources

Effective electricity generation system consisting of generator and solar system is established at the King Norodom Sihamoni General and Technical High School. The enhanced water supply is provided by the well at the school.

Indicators: (i) In 20 rooms of the school, photovoltaic system generates daily energy for four bulbs for four hours, working on the laptop for four hours and charging of mobile phones whereas the generator works only when high energy demand machines/equipment/devices need to be turned on. (ii) The photovoltaic water pump system provides daily 10 m³ of water to the tank tower.

6. Project Activities

1. Improved quality of technical education

1.1. Trainings and consultation for teachers of technical subjects

Enhancement of teachers' capacities in technical subjects is a key assumption for the improvement of quality of technical education. Five main fields are identified for trainings and consultations: (i) plant sciences; (ii) animal husbandry; (iii) processing of agricultural products; (iv) machinery/engineering; (v) pedagogy and didactics in technical education. The topics (i) – (iv) will focus on the modern methods and approaches regarding specific subject areas whether the topic (v) will be aimed at modern and effective teaching methods in technical education. All the topics will strongly consider involvement of practical education – use of practical educational materials, classes at demonstration facilities and excursions.

The project will apply three approaches in trainings of teachers:

(i) Trainings and consultation of teachers directly at the King Norodom Sihamoni General and Technical High School. The trainings in specific topics will be held mainly by CULS experts. The trainings will be divided into theoretical and practical part. Topics and duration of the trainings are specified in the following table:

<i>Topic</i>	<i>Duration</i>	<i>Responsible expert</i>
Plant sciences		
Locally important vegetable and fruit crops, Major crops cultivated in the region and their importance in human nutrition, Basics of cultivation technologies of local fruit and vegetable crops (aspects of planting material acquisition, crop management – methods of propagation, planting, husbandry, harvesting, postharvest handling), Value-added products. Field excursions will be included.	12 days	Zbynek Polesny
Animal husbandry		
Animal nutrition, Forage production, Animal husbandry management guide: shelter, hygiene, nutrition and health, Veterinary first aid kit, Record keeping on identity, numbers and production of animals in place, Local and introduced breeds, Breeding principles. Field excursions will be included.	11 days	Akhir Pebriansyah
Biodiversity of fish in Cambodia and Mekong delta, Aquaculture farming basics in Southeast Asia, Conservation of fish products. Excursion will be included as well (RUA fish collection and farm, farm for commercial fish production, market). Majority of training topics will be conducted in Phnom Penh within the project <i>Support for improving the quality of scientific research, teaching and international activities at universities in Cambodia</i> .	5 days	Miroslav Petryl
Processing of agricultural products		
Food conservation techniques, Food dehydration in solar driers, Pre-drying steps (selection of crops and products suitable for drying, hygienic considerations, drying pre-treatments)	11 days	Jan Banout / Iva Kucerova
Preparation of agricultural products for preservation, Preparation of equipment for food processing, Food preservation – sweet (preparation of compotes, jams, marmalades), Food preservation – salty (processing of mushrooms, meat and fish), Food preservation –	10 days	Karel Vitek

sweet and sour pickles (preservation of vegetables)		
Machinery/Engineering		
Field operations with use of small agricultural machinery, Maintenance and repair of tractor, implements and equipment, Disassembly and Assembly of implements	5 days	Karel Vitek
Electric studies		
Design and use of technical documentation, Determination of the electric flux, electric induction, electric field and magnetic field, Wiring and assembly of simple electronic circuits, Measurement of electrical quantities, Inspection and maintenance of electrical machinery	5 days	Expert of CULS Faculty of Engineering
Pedagogy and didactics		
Pedagogy and didactics in teaching of professional subjects – specifics in teaching professional subjects, didactical principles, concept and aims; Effective use of material didactical means in teaching –overview of material means and aids and their effective usage, tips how to involve students in means and aids creation; Didactics of practical training in technical agricultural education, including modern teaching methods (programme teaching, project teaching, participative methods in teaching); Effective use of IT in teaching of professional subjects; Evaluation of students' work..	5 days	Jana Mazancova

Around 15 – 20 teachers will participate in each of the training (based on availability of the teaching staff with respective focus at the King Norodom Sihamoni General and Technical High School). For each part adequate support materials will be prepared in English/Khmer.

Consultations regarding the actual content of given lessons and syllabi, including recommendations of the syllabus improvement (in the written form) and consultation on use of practical educational materials will be held by both CULS and Cambodian experts (mainly of RUA).

(ii) Trainings and consultation of teachers in Phnom Penh. Trainings and consultation held by CULS experts will be organized within the project *Support for improving the quality of scientific research, teaching and international activities at universities in Cambodia* – 3 teachers of the King Norodom Sihamoni General and Technical High School will participate in summer school “From net to spoon” in August 2015. Representatives of the King Norodom Sihamoni General and Technical High School will have possibility to participate in Career days or Film festival focused on agriculture organized at RUA. Except for these, the project will cover consultations with RUA experts regarding improvement of lessons content and syllabi of specific subjects.

(iii) Trainings and consultation of teachers in the Czech Republic. Selected three teachers of the King Norodom Sihamoni General and Technical High School will participate in a study visit to the Czech Republic (Activity 1.4.). Trainings and consultation will be held by the CULS experts, the topics and duration of trainings and consultation will be specified according to the needs of the King Norodom Sihamoni General and Technical High School teachers. In addition, experience sharing with teachers from selected high schools in the Czech Republic will be organized.

1.2. Provision of practical educational materials on technical subjects

Regular use of practical educational materials is a basic assumption for improvement of education quality, particularly in technical subjects. Thus, the project tends to interconnect education of technical

subjects with not only demonstration facilities (school farm, “Classrooms for processing of agricultural products”, Solar driers) but to incorporate regular use of the practical educational materials into the classes of technical subjects.

The materials will be specified in detail according to the needs of the King Norodom Sihamoni General and Technical High School – the final decision will be agreed by the school and the project management. Nevertheless, the CULS experts tentatively propose following material regarding their specialization:

<i>Material</i>	<i>Specialization</i>
Posters relevant to specific topics in Khmer.	plant sciences, animal husbandry, aquaculture, mechanization, processing of agricultural products, electric studies
Models	plant sciences, animal husbandry, aquaculture, mechanization, processing of agricultural products, electric studies
Working sheets	plant sciences, animal husbandry, aquaculture, processing of agricultural products
Handouts with case studies and best practices	plant sciences, animal husbandry, aquaculture, processing of agricultural products
Books for library – selected literature on plant sciences, animal breeding, mechanization, food processing, irrigation	plant sciences, animal husbandry, aquaculture, mechanization, processing of agricultural products
Crop leaflets (one leaflet for each major crop) in Khmer – basic characteristics, importance of the crop in human/animal nutrition, crop management (production principles). Laminated leaflets (min. 30) will be available at school library.	plant sciences
Herbarium	plant sciences
Seed collection	plant sciences
Tools and equipment for demonstration and practical teaching purpose	electric studies

An integral part of the material provision will be consultations on effective incorporation of the practical educational materials into the lessons – methods and forms of the material use.

1.3. Establishment of cooperation with high school(s) in the Czech Republic

Based on the specific orientation of the agricultural educational programme, one or two secondary schools or technical vocational schools focused on agriculture will be selected in the Czech Republic for cooperation. The cooperation itself will mainly lay in experience sharing at several levels such as: (i) management and organization of technical education and training; (ii) structure and content of educational documents – educational programme, syllabi of the courses, structure of practical trainings; (iii) technical equipment and facilities for practical training and (iv) modern approach in teaching technical courses. The experience sharing will be done through the direct visit of representatives and teachers of King Norodom Sihamoni General and Technical High School and focus group discussion with relevant target groups. The cooperation will be facilitated by the implementation team.

1.4. Study visit of Cambodian teachers to the Czech Republic

Three weeks study visit will be organized for three teachers of the King Norodom Sihamoni General and Technical High School: their selection will be under the responsibility of the school and approved by the project management. The basic selection criteria for the teachers will involve the following: the level of English skills and teacher's specialization – the study tour should reflect needs of the King Norodom Sihamoni General and Technical High School. Tentatively, participation of teachers with following specializations is expected: plant sciences, animal husbandry, technologies in agriculture.

The key motive of the study tour organization is the establishment of cooperation with high school(s) in the Czech Republic with similar study programmes. The teachers will have opportunity to visit high schools of similar orientation (their selection will be done through the Institute of Education and Communication of CULS which has deep experiences with trainings of teachers of more than thirty high schools with technical study programmes). Finally, cooperation with one or two of the schools should be instituted. The study visit will involve the following parts:

- I. Training for improvement of teachers' competencies, including practical workshops (2 days) – will be done in cooperation with the Institute of Communication and Education, CULS
- II. Consultations and trainings with CULS experts (plant sciences, animal husbandry, processing of agricultural products) (5 days)
- III. Visit of the selected agricultural secondary schools or vocational training schools for cooperation, including focus group discussions with management and teachers (4 days)
- IV. Visit of other two agricultural secondary and technical vocational schools (2 days)
- V. Visit of the Czech University of Life Sciences Prague, meeting with the dean of the Faculty of Tropical AgriSciences, visit of university facilities – demonstration farm, agro-forestry facility (2 days)

2. The school is endowed with new demonstration facilities

2.1. Establishment of school farm

Within the project, demonstration school farm at the King Norodom Sihamoni General and Technical High School will be established. The school farm will demonstrate a sustainable production cycle, where plant products serve for human and animal production and waste produced in the system is used for fertilizing of plants.

The school farm should serve as facility where students will gain practical knowledge and skills, such as following: determination of soil type and its quality for production of specific crops, improvement of soil fertility, determination of seed sowing rate and depth of sowing and planting of the crops that are vegetative propagated, management of crops cultivation including diseases and pests control, handling operations in crop production including tillage, sowing, weed control and harvest, ensuring appropriate housing for animal breeding including its maintenance, diseases and parasites control, determination of sufficient quality and quantity of feed, and design of breeding plan.

The plot areas of 3 hectares dedicated for farm activities are situated at the back of the school. The farm will be divided into a part dedicated to plant production and to animal breeding. Location of (i) – (iii) and (v) – (vi) of plant production (location division is described in the next paragraph), as well as animal production section of the farm should be situated close to the school – students should be able to reach the farm by foot till 15 minutes from the school buildings (in order to make the practical education effective). Water resource should be close to these sections of the school farm as well in order to perform effective irrigation and water supply for animals.

The area for the plant production plots will be divided into: (i) plots for vegetables production; (ii) orchard – fruit production; (iii) experimental plots for practical demonstration of various approaches in local plants production; (iv) plots for production of crops – feeding for animals, including plants attracting bees (2 hectares); (v) compost; (vi) nursery of 12 m²; (vii) store for tools of 4 m² and shelter/store for machinery of 30 m² (room of the actual school buildings can be used for this purpose); (viii) store for seeds and products (room of the actual school buildings will be used for this purpose). 400 m² of the plots/orchard will be irrigated with use of sprinkler and drip irrigation. Modified irrigation methods suitable and sustainable for local conditions will be demonstrated as well as traditional methods of irrigation (canals and gravity distribution of water through the fields). In total, 0.5-0.8 hectares will be irrigated.

Recent development efforts in the agricultural sector in Cambodia move from food to nutritional security. Insufficient intake of vitamins and minerals stimulate the diversification of plant production towards the cultivation of various fruit and vegetable species. Therefore, in the project especially indigenous vegetables like capsicums, cucurbits, bitter gourds and several leafy vegetables, as well as indigenous fruit species for example jackfruit, pomelo, papaya, longan, litchi, dragon fruit will be cultivated at the school farm as a sole crops or in mixed cultures of annual crops in association with fruit trees.

The area for animal breeding (in total, up to 0.2 hectares) will be divided into: (i) chicken / hens (meat and egg production) semi-intensive farm system with established poultry house for 100-150 chicken/hens; (ii) integrated breeding system of fish and ducks – 1 pond of 15x5 m with the depth of 1.5 m with adjacent coop for 50 ducks; (iii) apiary (honey production) of 10 hives, (iv) pig breeding farm system with 3 sows and 1 boar – piggery house of 2 blocks; (v) store for feed, medicines, eggs (room of the actual school buildings can be used for this purpose, in case of feed – storage can be attached as part of piggery/poultry house). Possibly, small gas generating unit can be integrated to the system for demonstration purposes of alternative energy resources.

Animal breeding at the school farm will be oriented on demonstration of semi-intensive methods that are suitable to replicate by local farmers. Integrated breeding of fish and ducks is a system developed by CULS and successfully implemented in Vietnam. Even more, CULS has been cooperating with RUA on development of fish production in Cambodia in the framework of the project *Support for improving the quality of scientific research, teaching and international activities at universities in Cambodia*, thus such experience will be applied within the proposed project as well. Regarding beekeeping, the project will follow up RUA experience as there has been apiary successfully established in the campus.

To ensure sustainable operation of the school farm, following material will be provided:

Material	Purpose
hoes, shovels, spades, machetes, wheel barrows, pick axes, rakes, hammers, saws, seedling transplanting boxes, trays and bags, knapsack sprayers, watering cans, meters, balances (various types)	Tools and equipment for school farm
soil thermometer, pH meter, humidity meter	Measurement of soil quality
set of tools, drill, grinder, welder, sharpener	Tools and equipment for repair and maintenance of the machines
compact tractor (10-15 HP) and implements (tentatively): trailer, harrow, plough, rotary hoe, cutting bar; grinder; seeder (manual)	Small machinery for use at farm

pH meter, oxy meter	Measurement of quality of water in pond
sampling tools (plankton net, casting net, sein net, hand net), net cages, grinder, buckets, binolupe	Tools and equipment for aquaculture
water pump, reservoirs, tubes, sprinkler and drip irrigation system	Irrigation
feeders, drinking basins, cages, coops, infra lamps, incubator	Animal husbandry - poultry
troughs, drinking basins, detector of pregnancy, tools needed for delivery of piglets	Animal husbandry - pigs
hives, frames, queen excluders, suits and protecting hats, tools for beekeeping (brushes, queen cages, smokers, tongs, spacers, etc.), container for wax malting, swarm catcher	Beekeeping

2.2. Establishment of centre of agricultural products processing

Fisheries and agriculture are two industries known to contribute the most to the GDP and balance of trade in Cambodia. This fact is considered in the establishment of centre of agricultural products processing. The centre will focus on following: (i) solar drying (processing of fruits, vegetables, fish); (ii) food preservation (fruits and vegetables); (iii) processing of honey. The centre will be divided into two parts – Solar driers and “Classrooms for processing of agricultural products”.

One of the oldest techniques employed for processing dried agricultural and fish products is open sun drying. However, it is also considered the least efficient in terms of processing time and weight loss of the end-product, and the least safe as the products are exposed to various contaminants. Solar drying refers to a method of using the sun energy for drying, but excludes open air “sun drying”. The justification for solar driers is that they may be more effective than sun drying, but have lower operating costs than mechanized driers. Main advantages of solar driers: (i) Product is protected from the rain, insect, animals and dust. Some systems also provide protection from direct sunlight; (ii) Faster drying comparing to the sun drying reduces the likelihood of food-borne microbes (moulds, bacteria, etc.); (iii) Higher drying temperature means that more complete drying is possible in a shorter time, and this may also allow much longer storage time. Within the project, two solar driers (SDs) based on forced convection of drying air will be installed. The basic dimension of one SD platform will be 1.5 x 2 m (the overall design of SD is shown in Figure 1 of Annex 4). Fans of the driers will be powered by solar energy. Proposed drier is suitable to process a majority of agriculture and fishery products.

Two rooms of existing school buildings of the King Norodom Sihamoni General and Technical High School will be transformed into “Classrooms for processing of agricultural products”: “Clean” and “Dirty”. The “Dirty classroom for processing of agricultural products” will serve for cleaning of agricultural products and their preparation before processing. The “Clean classroom for processing of agricultural products” will be dedicated to: (i) preparation and packaging of dehydrated products, (ii) food preservation of the products (the example of a clean room for food preservation is shown in Figures 2 and 3 of Annex 4). Processing of honey will be possible to handle in the classroom only in the case the classroom will have protection against bees attack – thus, the classroom should be situated at the periphery of the school, preferably close to the school farm. Products determined for processing should be placed in the store for seeds and products.

For the centre of agricultural products processing following material will be provided:

Material	Purpose
meteorological station (to measure wind speed, solar radiation, rain fall, air temperature), thermometer (to measure humidity and temperature inside of the solar dryer), anemometer (to measure air flow inside of the solar dryer)	Measuring instruments for control of the solar drying process
vacuum packer, A _w meter, balance, pH meter	Equipment for dehydrated products' preparation and packaging
Kitchen sink, tables/desks, shelf, stove, cooking pots, knives, slicers, cutters, graters, ladles, containers, measuring jugs, balances, aprons and caps, cart, jars for ingredients	Equipment for preparation and packaging of products for preserving
honey extractor, wax printer, tools for honey extracting (strainers, uncapping plates, uncapping forks, plastic containers for honey)	Processing of honey, preparation of wax
glasses of 1l (500 pieces), covers for glasses (1000 pieces), sealing gums (1000 pieces) plastic bags (1000 pieces)	Packaging material

3. Raised awareness about technical education in the KompongChhang Province

3.1. Organization of Open Days

In order to make agricultural technical subjects/courses more attractive for lower secondary students the project will focus on promotion of their importance, content and make them more familiar. Open Days of the King Norodom Sihamoni General and Technical High School will be organized twice in 2016 – in Phase II (in June) and in Phase III (in November or December). The Open Days will show technical facilities, present the practical classes; provide discussion with teachers and current students and graduates. The King Norodom Sihamoni General and Technical High School will be open for lower students, their parents and general public.

3.2. Promotion campaign through leaflets, posters, radio and TV

At least 500 leaflets presenting the study programmes, practical classes and relevant facilities will be elaborated and distributed. Posters (at least 10) presenting the study programmes, practical classes and relevant facilities will be placed on visible spots (meeting points, common places, eating point of selected schools from which potential students will be recruited). In addition, radio and TV campaign will be organized. Interviews with the representatives of King Norodom Sihamoni General and Technical High School and teachers will be broadcasted. The campaign will be time-focused on the period when lower students will make decision on further studies. The campaign will cover area of the KompongChhang Province.

3.3. Establishment of cooperation with potential employers of students

Within the project, list of potential employers – farmers and companies in agribusiness – will be prepared. The potential employers will be informed (through leaflets, they will be invited to participate in Open Days as well) about study programmes at the King Norodom Sihamoni General and Technical High School and key competencies of the graduates. Cooperation between the school and the potential

employers should be established –the school can organize excursions to the farms/enterprises, whereas the potential employers will have possibility to choose future employees in more effective way.

Through cooperation with RUA, teachers as well as students of the King Norodom Sihamoni General and Technical High School will be informed about study programmes at RUA, whereas RUA will have opportunity to establish closer cooperation with the King Norodom Sihamoni General and Technical High School in order to promote tertiary agricultural education.

4. The school is endowed with water and electricity resources

Detailed specification of the activities 4.1 and 4.2 corresponding to real needs of the King Norodom Sihamoni General and Technical High School was impossible to design due to lack of information such as requirement for electric power to be generated per day, requirement for quantity of water per day in order to ensure self-sufficiency in electricity generation (including high energy demand devices) and water supply (including bathrooms at school, school farm and other school facilities). The detailed specification of both activities will be done at the beginning of the project. The proposed activities reflect a budget limit defined by costs needed to implement other activities in the project. The design of both systems will be under the responsibility of CULS expert Dr. Vaclav Klapetek, the subsequent installation will be provided by local companies.

4.1. Installation of solar system

Concept of the activity is to establish effective electricity generation system in the school consisting of generator (the one which the school has recently available) and solar system installed within the project. The proposal of the activity is based on assumption that the generator will work only when high energy demand machines/equipment/devices need to be turned on, whereas solar system will serve primarily to cover energy distribution within ordinary school operation as amount of energy generated by photovoltaic plants is limited but on the other hand available 24 hour/day. Nevertheless, such system might be effective only if planning for high energy demand machines/equipment/devices operation will be done carefully. Thus, training on effective time management of energy distribution will be provided within the project.

Regarding solar system, application of small independent solar systems is selected. The reason is that one big plant can be considered as not sustainable as one spare part damage could result in the whole system collapse. Tentatively, electrification of 20 rooms (classrooms for theoretical or practical classes/administration or management offices) is proposed. Nevertheless, number of electrified rooms can be changed in accordance with needs of the King Norodom Sihamoni General and Technical High School – more/less rooms can be electrified coherently with less/more demands on electric power to be generated in the specific room. Each electrified room will have its own photovoltaic set and teachers/students will decide on the use of generated electricity themselves. The quantity of generated and consumed energy will be visible on the display which takes part of the photovoltaic system.

Electricity will be produced in the solar panel situated on the roof and will be stored in the battery. The following appliances can be connected to the plant station: energy saving lamps or LED lights, laptop, small TV (12V), charger AA batteries, phone chargers etc. Approximately, energy for four bulbs for 4 hours + working on the laptop for 4 hours + charging of number of mobile phones will be daily available for each class. Proper operation of the system will be protected with control unit and fuses. All parts of the station will be safe and can be touched by wet hands. If necessary, for laboratories 220V AC can be available.

In order to ensure sustainability of the system operation, training focused on manipulation with generator and machines/equipment/devices powered by electricity, maintenance and basic repair of solar system and generator will be provided within the project as well.

4.2. Ensure water resource

Reflecting data lack, the activity is designed tentatively. Aim of the activity is to improve current system of water supply at the school based on 30m deep well (with sufficient water quality), tank tower of 10m³ for water storage, pond for water collection and limited use of water from the municipal water distribution system.

At first, hydrogeological research of the ground water will be realized. Based on the results, deepening of the well to 80m can be carried out. Consequently, solar pump system will be installed. The system will consist of the following main parts: submersible pump, solar panels, control box and water and electrical lines. The system will be able to work when there is sufficient sun radiation and when the tank tower is not full. The water will be pumped into existing tank tower situated next to the school building. Water supply for farm will be provided with connection of the tank tower/pond with the tank(s) that will be located at the farm.

7. Project TimeFrame or Schedule

Phase I (August 2015 – January 2016)

- Solar driers will be constructed. Equipment of the “Classroom for processing of agricultural products” – inception.
- Installation of solar system and water resource
- Establishment of practical farm – construction of assets for animals, field preparation, irrigation system establishment, plots for vegetable production, demonstration plots
- Trainings at the following topics: animal husbandry; plant sciences
- Consultations at the King Norodom Sihamoni General and Technical High School and with RUA experts

Phase II (February 2016 – July 2016)

- Study visit of Cambodian teachers to the Czech Republic
- Establishment of cooperation with high school(s) in the Czech Republic
- Equipment of the “Classroom for processing of agricultural products” – completion.
- Experimental run of Solar driers. Trainings and consultation for teachers at the King Norodom Sihamoni General and Technical High School in following topics: (i) processing of agricultural products; (ii) pedagogy and didactics.
- Establishment of orchard, inception of animal breeding (poultry, fish, bees), establishment of compost, nursery
- Trainings at the following topics: pedagogy and didactics; aquaculture; processing of agricultural products; electrical studies
- Consultations at the King Norodom Sihamoni General and Technical High School and with RUA experts
- Awareness campaign

Phase III (August 2016 – January 2017)

- Inception of animal breeding (pigs)
- Supervision of school farm, centre for agricultural products processing
- Trainings at the following topics: mechanization/engineering; processing of agricultural products
- Consultations at the King Norodom Sihamoni General and Technical High School and with RUA experts
- Awareness campaign

Short description of the management and experts' experience and responsibilities

Kristina Rušarová has experience in management of development projects in Angola – in the position of the manager for implementation, following projects were implemented: “Support of the Agricultural Training School in Catabola“ and „Improvement of Institutional Conditions for the Development of Agricultural Training School in Catabola and Empowerment of Extent and Quality of Extension Services in Catabola Municipality, Bié Province“. Since 2012, she has been coordinated development projects of CULS in Ethiopia focused on agriculture and education. Since 2013, she works as coordinator of development projects of the Faculty of Tropical AgriSciences of CULS.

Responsibilities within the project: Overall coordination of the proposed project; acting and negotiating on behalf of CULS within the proposed project; financial management of the project; monitoring of the activities

Anna Hubáčková is a postgraduate student at the Faculty of Tropical AgriSciences of CULS, Prague. She obtained her Master's degree in Sustainable Development of Rural Areas in Tropics and Subtropics. She is much experienced in research on food conservation, in the period 2013 – 2014 she has conducted her research in Cambodia. She has been organized the Film festival at the Royal University of Agriculture in Cambodia.

Responsibilities within the project: monitoring of the project activities implementation, assistance for the experts, organization of study visit of the Cambodian teachers, PR

Keo Socheat has experience in management and administration of projects, data collection and analyses conducted in Cambodia. He has been working for Royal University of Phnom Penh, Council for Agricultural and Rural Development and in consulting companies. Since 2013, he has been studying at CULS Sustainable Rural Development study programme.

Responsibilities within the project: coordination of the project activities in Cambodia (continuous stay in Cambodia)

Petra Chaloupková is a Vice Dean for International Relations of the Faculty of Tropical AgriSciences of CULS in Prague since 2007. She is responsible for project management (LLP/Erasmus, Erasmus Mundus, development cooperation etc.), communication and public relations. She is the main coordinator of Erasmus Mundus EURASIA 2, contact person at the CULS in Prague for Erasmus Mundus EURASIA 1 and Eulalinks. She has a comprehensive experience as a project manager of the projects of Czech development cooperation conducted in Angola, Cambodia, Vietnam and Moldova. Her pedagogical and research activities are mainly oriented on marketing and management in tropics and subtropics, project management, monitoring and evaluation. She was a Secretary General of an international organization AGRINATURA (formerly Natura) from 2004 until 2010, in charge of the administrative, management and financial tasks of the network.

Responsibilities within the project: coordination and communication with RUA

Zbyněk Polesný is an Associate professor at the Department of Crop Sciences and Agroforestry (DCSA), CULS in Prague, responsible for supervising students and teaching in the field of tropical agronomy, agrobiodiversity, tropical vegetation ecology and ethnobiology. He is head of the MSc study program “Tropical Crop Management and Ecology”. He has practical experience with conducting the projects of Czech development cooperation and research in Vietnam, Peru and Kyrgyzstan.

Responsibilities within the project:Activities related to plant sciences – trainings and consultations, plant production at the school farm, provision of practical educational materials

Akhir Pebriansyah has experience as teacher, laboratory assistant and assistant lecturer of feed and nutrition in Indonesia (mainly at Bogor Agricultural University). Professionally, he has been oriented on animal nutrition. Among others, he was member of Himasiter Feed and Nutritional Technology. Currently, he is a Ph.D. candidate at the Faculty of Tropical AgriSciences of CULS in Prague.

Responsibilities within the project:Activities related to animal husbandry – trainings and consultations, plant production at the school farm, provision of practical educational materials

Lukáš Kalous works at the Department of Zoology and Fisheries at the Faculty of Agrobiological Sciences, Food and Natural Resources of CULS in Prague. Professionally he focuses on fish genetics, taxonomy and fish farming in developing countries. He has working experience from Spain, Angola, Cambodia and Vietnam. At CULS, he is a guarantor of the following subjects: Aquaculture, Fisheries and Ichthyology.

Miroslav Petrtyl works at the Department of Zoology and Fisheries at the Faculty of Agrobiological Sciences, Food and Natural Resources of CULS in Prague. Professionally he is focused on geometric morphometrics, ichthyology and fish farming in developing countries. He has been working and studied in Angola, Vietnam and Cambodia. At CULS, he is a guarantor of the subjects Hydrobiology and Marine biology, assists with providing the subjects Fisheries, Aquaculture and Ichthyology. He has many practical experience from Cambodia, where he coordinated the cooperation among universities (CULS and RUA - Royal University of Agriculture in Cambodia) focused on collecting scientific data. He has been organizing the Summer School 2013, 2014 in Cambodia by providing the lessons on aquaculture.

Responsibilities within the project:Activities related to aquaculture – trainings and consultations, establishment of fish pond and fish breeding at the school farm

Jan Banout - Since April 2013 he is a DeDan of the Faculty of Tropical AgriSciences at Czech University of Life Sciences in Prague (CULS Prague). From 2004 to 2011 he was an assistant professor and from 2011 until now an associate professor of the faculty. He has been working for nine years as the university lecturer and supervisor of university study programs, with a research orientation to technology for sustainable development in tropical areas. He has more than five years' experience in study courses and curricula design, implementation and evaluation. Through development and research he cooperated for more than eight years among universities in developing countries (such as Kyrgyzstan, Vietnam, Peru etc.) including their management, monitoring and evaluation. He has more than three years' experience with the Erasmus Mundus project. He completed the international course on designing and conducting effective development evaluations organized by the World Bank.

Iva Kučerová works as a laboratory technician at the Faculty of Tropical AgriSciences of CULS. Professionally, she has been oriented in various technologies of drying (both in Czech Republic and abroad). She has practical experience with conducting the projects of Czech development cooperation and research in Peru and Kyrgyzstan.

Responsibilities within the project:Activities related to processing of agricultural products – trainings and consultations, establishment of solar driers and “Classrooms for processing of agricultural products”

Karel Víték works (among others) as a consultant registered by the Ministry of Agriculture of the Czech Republic, accredited for the plant production (Accreditation certificate is available in Annex 6), soil management and phytopathology in agriculture. In the time period 2011 – 2012, he has been working as an agriculture expert of the development projects implemented by CULS in Angola, Mongolia and Haiti.

Responsibilities within the project: Coordination of school farm establishment, establishment of “Classrooms for processing of agricultural products”, selection of suitable machinery, trainings in following topics: processing of agricultural products – food preservation, machinery/engineering

Jana Mazancová is a Vice Dean for development of the Faculty of Tropical AgriSciences of CULS in Prague since 2013. She is well experienced in conducting the development projects, including the projects focused on education and supporting of study programmes (Angola, Mongolia, Vietnam, Moldova, Georgia). She has also been evaluating, restructuring and designing the master study programmes at the Hanoi University of Agriculture in Vietnam. She is also engaged in pedagogy and improving of teachers’ capacities in vocational subjects related to agriculture at the level of high schools in the Czech Republic and abroad (e.g. Angola, Mongolia).

Responsibilities within the project: Trainings and consultations in pedagogy and didactics, organization of promotional campaign, establishment of cooperation with selected high school in the Czech Republic, consultations in use of practical materials in specific subjects

Václav Klapetek is a graduate of the Faculty of Tropical AgriSciences, CULS. He participated in development and research projects in Vietnam, Moldova, Angola, Senegal, India, Nepal and Ethiopia. His expertise in the projects consisted usually from preparation of the technical documentation, implementation and monitoring of water management system, installation of drop irrigation system and installation of solar plants.

Responsibilities within the project: Installation of irrigation, design of solar system and improvement of water supply at the school

Budget Proposal

DEPARTMENT OF TECHNICAL EDUCATION CAMBODIA	Unit	Unit Number	Unit Price (USD)	Total Costs (USD)	Czech Republic Sources	Other Sources - CULS
Personal Costs						
1.1 Management						
Kristna Rusařova - project and finance manager (CZ)	month	18	400,00	7 200,00	7 200,00	
Anna Hubařkova - assistant of project manager (CZ)	month	18	230,00	4 140,00	2 140,00	2 000,00
Socheat Keo - project management (KHM)	month	18	550,00	9 900,00	9 900,00	
Petra Chalupkova - coordination with RUA	month	18	60,00	1 080,00	1 080,00	
1.2 Experts						
Zbynek Polesny - agronomy	day	25	50,00	1 250,00	1 250,00	
Akhir Pebriansyah - animal husbandry	day	25	50,00	1 250,00	1 250,00	
Miloslav Petřtyl / Lukas Kalous- aquaculture	day	20	50,00	1 000,00	1 000,00	
Jan Banout - processing of agricultural products, mechanization	day	25	50,00	1 250,00	1 250,00	
Vařlav Klapetek - irrigation and solar systems	day	25	50,00	1 250,00	1 250,00	
Jana Mazancova - pedagogy and didactics, awareness campaign, study visit of Cambodian teachers	day	30	50,00	1 500,00	1 500,00	
Karel Vitek - farm management, processing of agricultural products, mechanization	day	56	50,00	2 800,00	2 800,00	
1.3 Administrative Staff						
Iva Nadvornikova, MSc. - administration and PR (CZ)	month	18	80,00	1 440,00	1 440,00	
Administration staff (KHM)	month	18	120,00	2 160,00	2 160,00	
1. Personal Costs - Subtotal				36 220,00	34 220,00	2 000,00
2. Travel Costs						
2.1 International Transport	flight	13	950,00	12 350,00	12 350,00	
2.2 Local Transport	month	17	200,00	3 400,00	3 400,00	
2.3 Vehicles Services Cost	month	17	200,00	3 400,00	3 400,00	
2.4 Accomodation - Phnom Penh	day	80	20,00	1 600,00	1 600,00	
2.5 Per Diems - expatriots (45 USD/day)	day	315	45,00	14 175,00	14 175,00	
2.5 Per Diems - local staff, teachers	day	500	5,00	2 500,00	2 500,00	
2.6 Visa	per person	13	35,00	455,00	455,00	
2.7 Medical preparation (vaccinations, etc.)	per person	13	35,00	455,00	455,00	
2.6 Insurance (medical) - expatriots	month	10	60,00	600,00	600,00	
2. Travel Costs - Subtotal				38 935,00	38 935,00	0,00
3. Equipment and Goods						
3.1 Immovable Property (Land, Buildings,...)						
3.2 Supply						
Practical educational materials on technical subjects	total	1	20 500,00	20 500,00	20 500,00	
Establishment of fruit and vegetable garden (field preparation, seeds, etc.)	total	1	6 000,00	6 000,00	6 000,00	
Establishment and equipment of nursery, compost. plots	total	1	3 500,00	3 500,00	3 500,00	
Fish pond establishment + material for aquaculture	total	1	3 500,00	3 500,00	3 500,00	
Establishment of irrigation system at school farm	total	1	4 000,00	4 000,00	4 000,00	
Machinery: compact tractor (10-15 HP) + implements	set	1	10 700,00	10 700,00	10 700,00	
Tools and equipment for school farm	total	1	3 500,00	3 500,00	3 500,00	
Tools and equipment for repair and maintenance of the machines	total	1	1 500,00	1 500,00	1 500,00	
Establishment and equipment of animal husbandry	total	1	9 000,00	9 000,00	9 000,00	
Equipment and material for beekeeping and honey processing	total	1	3 000,00	3 000,00	3 000,00	
Solar dryer construction + equipment for solar drying and packing of the products	total	1	10 000,00	10 000,00	10 000,00	
Equipment for agriculture products processing - food preservation	total	1	6 000,00	6 000,00	6 000,00	
Motorbike	piece	1	2 000,00	2 000,00	2 000,00	
Notebook + projector	set	2	800,00	1 600,00	1 600,00	
3.3 Energy						
Solar photovoltaic power plant	room	20	1 200,00	24 000,00	24 000,00	
3.4 Other Equipment and Goods						

CEMENT OF TECHNICAL EDUCATION KAMBODIA	Unit	Unit Number	Unit Price (USD)	Total Costs (USD)	Czech Republic Sources	Other Sources - CULS
Material - water resource	total	1	15 500,00	15 500,00	15 500,00	
Books - literature for the library	total	1	4 000,00	4 000,00	4 000,00	
Equipment and Goods - Subtotal				128 300,00	128 300,00	0,00

4. Direct Costs in Site						
4.1 Property Rental	month	17	225,00	3 825,00	3 825,00	
4.2 Property Rental Services (Communication Costs, Water, Electricity...)	month	17	100,00	1 700,00	1 700,00	
4.3 Minor Material (Stationery...)	month	18	150,00	2 700,00	2 700,00	
4.5 Other Direct Costs						
Internet, telephone	month	17	100,00	1 700,00	1 700,00	
4. Direct Costs in Site - Subtotal				8 225,00	8 225,00	0,00

5. Contracted Services						
5.1 Construction, Assembly, Service, Security, Technical Works						
Construction - shelter for mechanization	total	1	2 000,00	2 000,00	2 000,00	
Installation of solar photovoltaic power plant	total	1	2 000,00	2 000,00	2 000,00	
Installations - water resource	total	1	2 000,00	2 000,00	2 000,00	
5.2 Expert Services (Expert Studies, Technical Documentation, Research, Lawyer and Economic Consultations)						
5.3 Material and Goods Transport	total	1	1 400,00	1 400,00	1 400,00	
5.4. Car Rental	day	120	40,00	4 800,00	4 800,00	
5.5 Movable Property Rental (Machinery, Appliances, Equipment...)						
5.6 Translations, Interpreting	total	1	4 700,00	4 700,00	4 700,00	
5.7 Copying, Printing	total	1	1 350,00	1 350,00	1 350,00	
5.8 Conferences, Seminars, Training Costs						
Trainings for teachers at the King Norodom Sihamoni General and Technical High School	day	56	120,00	6 720,00	6 720,00	
Trainings and consultations provided by RUA	total	1	14 000,00	14 000,00	14 000,00	
Awareness and promotional campaign	total	1	5 000,00	5 000,00	5 000,00	
5.9 Financial Services (Bank Fees...)	total	1	500,00	500,00	500,00	
5.10 Other Contracted Services						
5. Contracted Services - Subtotal				44 470,00	44 470,00	0,00

6. Other Eligible Costs						
6.1 Other Direct Cost						
Transport of the teachers of the King Norodom Sihamoni General and Technical High School (trainings)	total	1	1 500,00	1 500,00	1 500,00	
Accommodation of the teachers of the King Norodom Sihamoni General and Technical High School (trainings)	total	1	1 500,00	1 500,00	1 500,00	
Study visit of teachers in the Czech Republic						
Flight tickets to Czech Republic	flight	3	950,00	2 850,00	2 850,00	
Travel costs, per diems, accomodation, etc. (Czech Republic)	total	1	4 000,00	4 000,00	4 000,00	
Direct costs of the King Norodom Sihamoni General and Technical High School	total	1	14 000,00	14 000,00	14 000,00	
6. Other Eligible Costs - Subtotal				23 850,00	23 850,00	0,00

7. Direct Costs (1-6) - Total				280 000,00	278 000,00	2 000,00
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Date: 14/5/2015

Name: KRISTINA RUSABOVA

Signature:



