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Aide Memoire  
5-13 May 2010

Loan 2283-VIE(SF): Agriculture Science and Technology Project  
- Midterm Review Mission

**ASIAN DEVELOPMENT BANK**  
**Loan No. 2283-VIE(SF): Agriculture Science and Technology Project**  
**Aide Memoire of the**  
**Project Midterm Review Mission**  
**(5-13 May 2010)**

**I. INTRODUCTION**

1. On 5-13 May 2010, the Asian Development Bank (ADB) fielded a Midterm Review Mission<sup>1</sup> to Viet Nam to review the implementation of Loan No. 2283-VIE (SF): Agriculture Science and Technology Project (The Project). To assess whether the Project's planned outputs can be delivered and the intended outcome can be achieved, the Mission conducted comprehensive discussions with the Ministry of Agriculture and Rural Development (MARD)—the Executing Agency (EA) of the Project—its International Cooperation Department and Central Project Management Unit (CPMU), Department of Finance, Department of Organization and Personnel (DOP), Department of Science, Technology and Environment (DSTE), Ministry of Finance, National Agricultural and Fishery Extension Center (NAFEC), Institute Project Management Units(IPMUs) including Secondary Technical School for Food & Food Stuff, Forest Science Research Institute, Plant Protection Research Institute, Soil & Fertilizer Research Institute), and Provincial Project Management Unit(PPMU) in Thanh Hoa Province. The Mission visited research project on rice-fish-duck integrated system and extension demonstration models carried out by service providers on pig, livestock and porcupine raising in poor households.

2. The Mission (i) reviewed project implementation issues, and remedial measures needed, of the four components based on the assumptions and risks in the design and monitoring framework; (ii) followed up on the implementation of the research programs towards a pro-poor, market-oriented approach and their linkage to extension activities; (iii) reviewed the progress of extension demonstrations, the extension materials developed, methodology applied, and effectiveness of the service providers; (iv) reviewed baseline information and monitoring system developed for the research, extension, and training activities; (v) discussed the availability and timely allocation of counterpart funding; (vi) discussed the proposed reallocation of loan proceeds and loan extension; (vii) reviewed contracts awards and disbursement achievements for 2010; (ix) followed up on the submission of draft bidding documents for the procurement of small-scale civil works and goods of remaining research institutes and schools; and (x) reviewed the Borrower's compliance with the loan covenants.

3. The Mission was concluded with a wrap-up meeting on 13 May 2010 in Hanoi, chaired by Dr. Bui Ba Bong, Vice Minister of MARD, and attended by staff of MARD and representatives of other government agencies/organizations/stakeholders. A list of persons met and those present at the wrap-up meeting is shown in Appendix 1.

4. This Aide Memoire records the findings of the Mission, and agreements reached between representatives of the Government and the Mission. Agreements reflected herein are subject to approval by higher authorities of the Government and ADB. The Government's confirmation of the Aide Memoire is requested by 30 May 2010.

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<sup>1</sup> The Mission comprised of Sununtar Setboonsarng (Mission Leader), Agustina Musa (Financial Due Diligence Specialist) for 3 days, and Ma. Dolores Tajada (Associate Project Analyst).

## II. BACKGROUND

5. ADB approved the Loan on 11 December 2006 for SDR 20.198 million (US\$30 million equivalent) from ADB's Special Funds resources. The Loan Agreement became effective on 13 June 2007 with a loan closing date of 30 June 2012. The last loan review mission was fielded in September 2009.

6. The Project aims to strengthen the national agriculture science and technology (AST) system in Viet Nam, thereby contributing to the sustainable and equitable growth of the agriculture sector and ultimately to reduced rural poverty. The Project addresses critical issues involved in AST development, including the low level of linkages among key AST areas (agricultural research, extension, and training), and the gap in the capacity of physical and human resources for the national AST system. The Project contributes to the resolution of these issues and increase the effectiveness and relevance of AST activities for clients to receive benefits of improved AST, and promote on-farm and off-farm sustainable use of natural resources. Inclusion of the three key AST areas under the Project as part of the integrated national system is vital if the full potential of AST development is to be realized. The Project has four components namely (i) client-oriented agricultural research and capacity strengthening, (ii) grassroots agricultural extension improvement, (iii) rural-based technical and vocational training, and (iv) project management.

## III. REVIEW OF PROJECT IMPLEMENTATION

### A. Overall Progress

7. As of 30 April 2010, the overall progress of the Project is estimated at 43% against the elapsed time of 61% since loan approval (see Appendix 2). It should be noted that since its inception, the Project has been hampered by (i) a delay in consultant recruitment, (ii) slow start-up, (iii) delay in allocation of counterpart fund, (iv) slow process of approval of IPMUs and PPMU investment plans, and (v) weak capacity of IPMUs, PPMUs, and the CPMU. Despite the difficulties faced during the first 1.5 years of the project, significant progress has been noted since the last quarter of 2009. Investment plans, procurement plans, as well as research and extension plans are ongoing and disbursements are picking up rapidly.

8. With exponential increase in project activities in all components, the challenge of effectively monitoring these project activities is substantial. As has been expressed in previous missions, the Project needs a coherent vision of a pro-poor and pro-climate change development strategy to guide and link activities in all project components. With a shared vision and a clear monitoring framework being in place and understood by all project team members at central and provincial levels, the synergism among project activities are expected to be enhanced. Effective technical inputs from consultants continue to be a challenge in assuring quality of project activities.

### B. Progress of Project Implementation

9. The Mission reviewed the progress under each of the project components and discussed the timetable for planning and implementation of various activities for the remainder of the Project. A revised implementation schedule is attached in Appendix 3.

## 1. **Client-Oriented Agricultural Research and Capacity Strengthening**

10. **Client-Oriented Research Programs.** The Project promotes agricultural research programs and timely application of research results to clients' practical uses. Research proposals focusing on knowledge, information, and technologies relevant to the agro ecological regions serviced by regional research institutes are funded under the Project. DSTE continues to oversee activities under this sub-component.

11. A total of 125 research programs are ongoing with 93 programs (74.4%) are being implemented in remote and upland areas of central, north and western Viet Nam. In 2009 disbursements were \$1,267,000 accounting or 94.7% of the plan in 2009. In 2010, 31 research projects have received 70% advance payment of total research funds but some researchers are facing delays in receiving project funds by at least five months. To date, 7 research programs are delayed due to floods, droughts, and problems in chemicals procurement.

12. Of the 125 research projects, 58 or 46% are related to environmental protection. Of the 58 projects, 21 are on biodiversity, 16 on climate change adaptation; 8 on Integrated Pest Management (IPM); 7 organic and bio-fertilizers and 6 on food safety and VIETGAP. The Mission reiterates concerns on remaining 54% of the research projects which focus largely on agriculture intensifications and introductions of new species to indigenous people and ecosystems of upland areas. The Mission recommends that ADB social and environmental safeguards, and indigenous people policy be made available to all project researchers. Further actions on CPMU and DSTE is also required to ensure that the research program can produce short-term results at a relatively low cost to be easily extended to poor farmers.

13. Since last review mission, training courses on research management, implementation, and use of the monitoring and evaluation system developed by the Project have been conducted (in Hue, Nghe An, and Ninh Thuan provinces) for 170 people, including leaders of research institutes and 120 researchers. Three training courses were conducted for project researchers to improve project design to ensure social and environmental safeguards. As a result of the training, two research projects modified project designs to focus on climate change. M&E system for research projects is in place but increased attention is required on the part of CPMU and DSTE to effectively implement the monitoring system. The Mission recommends that CPMU assign specific staff to monitor progress of research projects.

14. **Training of Research Staff.** The subcomponent addresses the shortage of qualified research staff by providing on-the-job training and postgraduate and postdoctoral study programs for the staff of agricultural research institutes and other institutions of the national AST system. The on-the-job trainings will enable staff to effectively utilize the existing and proposed laboratory equipment and facilities, and improve staff knowledge and skills to manage sophisticated facilities. DOP continues to oversee activities under this sub-component. The Mission endorse DOP's request for 2 overseas short-term training on food safety, climate change adaptation and biotechnology.

(i) **Overseas Training.** Of the 55 students envisioned to study overseas, a total of 59 have been identified after 4 rounds of selection, however, 8 (mostly female) have withdrawn due to family reasons. Forty one person or 74.5% have already gone overseas. These include 3 Post Doc, 18 PhD, 20 Masters - 6 to the United States, 15 to Australia, 6 to Germany, 3 to Netherlands, 3 to Japan, 3 to Thailand, 1 to Denmark, 2 to England, 1 to India, and 1 to Sweden. About 20% of participants are women. Delays in enrollment are

due largely to weakness in English language. Workshops have been organized by the Project to facilitate application process and to improve English skills.

Sixteen qualified candidates are selected for the remaining 14 slots. Given the remaining time of the Project, it was agreed to select students for masters degree (12) and post doctoral program (2). As much as possible, students under the Project are to focus their study programs on new emerging issues such as agriculture and environment, climate-friendly agriculture, forestry, and natural resource management, food safety, biomass management, etc.

Under the current schedule, 6 PhD candidates will complete the studies in April 2013 and 10 candidates including 8 PhD candidates and 2 Master candidates will complete their study courses in November 2012. So as of this moment 16 of the 41 students will complete their program after the current project closing date, The EA, in consultation with supervising government agencies, proposed that the loan be extended by 1 year to finance the students to complete their studies. It is proposed that the new physical completion be extended on 31 December 2012 and financial closing on 30 June 2013.

(ii) **Local Training.** To date, a total of 29 training courses were conducted for 667 research staff of which 43% were women. In 2009, 18 eighteen training courses were conducted by the Viet Nam Academy of Agricultural Science to strengthen the capacity of research staff in the ten research institutes. The Project has developed M&E framework for training courses consisting of three levels: (i) end of training course; (ii) six to 12 months after the course; and (iii) one year after the course. However, only the first level of evaluation has been implemented. Based on evaluation at first level, 90% of the training courses on scientific research management and research plan-making processes met their needs and 70% of trainees indicated that they could apply the skills in their jobs. Eighty-seven percent of trainees ranked the outcomes of the courses at high and medium quality.

The Mission noted that training topics are very diverse and courses which are not core competent of VAAS such as macroeconomic modeling did not receive good evaluation so should be discontinued. The Mission recommends that training courses be centered on sustainable and equitable agriculture development which is the overall objective of the Project. In particular, training courses on climate change mitigation and adaptation for the poor, including the use of ICT in agriculture be increased during the second half of the Project.

15. **Upgrading of Research and Laboratory Equipment.** The Project is providing and upgrading essential research and laboratory equipment of selected MARD agricultural research institutes to fill critical gaps in research due to outdated equipment. DSTE continues to oversee activities under this sub-component. The Mission endorse DSTE's request to carry out training on technical English and use of high-tech laboratory equipment.

16. 17 procurement packages (comprising 14 contracts) out of 31 (including ASINCV) have been awarded with a disbursement of \$637,844. The installation and necessary trainings are expected to be completed in 3Q 2010. A summary of the status of the procurement of packages

can be found in Appendix 4. Of the total 31 procurement packages planned, 17 packages have been awarded and 26 bidding procedures are ongoing.

17. The Mission inspected equipments in three participating research institutes and one school. It was found that capacity of research institute to utilize and maintain the equipment are satisfactory. Nine training courses on the use of equipment and laboratory management have been conducted with 193 participants (52% women). Awareness on proper disposal of chemical wastes from experiments has increased in the participating research institutes. The Mission recommends that the Project's environment expert develop a check list and guide CPMU to conduct spot checks on waste treatments from laboratory of participating research institute and record the results in project report.

## **2. Grassroots Agricultural Extension Improvement**

18. The Project is improving farmers' access to participatory and pro-poor extension services, and is strengthening linkages between agricultural research and extension services. Activities are being implemented in Dak Nong, Nghe An, Ninh Thuan, Quang Nam, and Thanh Hoa provinces. NAFEC continues to oversee activities under this component.

19. **Pro-poor Provincial Agricultural Extension Services.** This sub-component provides (i) ongoing technical training programs for local extension staff and farmer groups, and (ii) procurement of basic equipment and provision of support for incremental costs of the information and communication capacity and networks of NAFEC, provincial agriculture extension centers, and district stations for agricultural extension.

20. Extension activities are on-going in all five provinces. Implementation progress of the provinces of Thanh Hoa and Nghe An are on track. Progress in Dak Nong has improved but is still behind schedule. The Mission recommends that CPMU provides intensive supervision to ensure timely implementation in Dak Nong. The Mission recommends a strategy to engage private sector firms to develop niche products from this province.

21. A total of 45 extension staff from five provinces have undergone Training of Trainer (TOT). A total of 386 training courses were conducted for 9,676 extension personnel. 39 courses for 1,007 provincial and district extension workers, 45 courses for 1224 extension service providers, 302 courses for 7,445 rural-based extension workers. So far, there has been no systematic evaluation of the training of extension personnel. The Mission requests that evaluation be conducted and the report of evaluation of training be included in the quarterly report to be submitted to ADB.

22. The Mission recommends that training on market-linkages for the poor, environmental and social implications of extension programs be further enhanced. The Mission also recommends that CPMU conduct a study to identify and translate pro-poor and pro-climate change agriculture extension and training materials developed under ADB TAs and other development partners to be distributed to all PPMUs.

23. Networks of exchange for extension workers has been established through an overseas study tour to Thailand and 6 in-country visits organized by 5 provinces—Thanh Hoa (2), Ninh Thuan (2), Dak Nong (1) and Nghe An (2)—for staff of PPMU, extension centers, and extension service agencies totaling 101 people. Training courses were conducted for 197 participants

(44.2% female) agricultural extension staff at national and provincial levels to strengthen communication capacity.

24. CPMU and NAFEC are designing a pilot program using mass media in five provinces to disseminate information on subjects related to sustainable and equitable agriculture development. The program has been delayed due issues related to administrative procedures related to competitive bidding with TV stations. With the issues recently resolved, the progress of activities and the equipment purchase is expected to improve. The Mission recommends the following for the pilot projects:

1. International consultants (extension and environment experts) be involved in the design and implementation of the program, in particular, in reviewing the contents, scripts of the DVD, and quality of production of various information packages.
2. The contents of the information packages are to focus on promotion of safe food production, climate change mitigation, and climate change adaptation by the poor. At least one DVD be developed on opportunities for farmers to receive carbon credit from compost and biochar production.
3. In addition to TV, radio, and website, the use of mobile phone and other ICT in pro-poor extension be included as one of the information dissemination means.

25. NAFEC in collaboration with PPMUs have conducted survey on indigenous knowledge in some project provinces in 2008-2009. The Mission noted that the survey results have not been properly utilized in the project activities. The Mission recommends that project consultants assist PPMU to process survey data and work with NAFEC to utilize information in the survey to enhance project activities.

26. **Promotion of Extension Contracts.** The sub-component finances on-farm demonstration trials in the provinces through contractual arrangements with regional or national research institutes to strengthen the provincial links between research and extension.

27. To date, the five provinces have awarded a total of 272 agriculture extension contracts, comprising 16 pilot models and 256 demonstration models, valued at about \$2.17 million. About 120 demonstrations (44%) are carried out in upland areas with 47% of project beneficiaries being women. Participatory method has been effectively adopted in identifying the needs of the poor and the appropriate households to carry out the demonstrations. Farmers visited by the Mission have benefited significantly from the project and are actively extending their newly acquired knowledge to other poor farmers in the same commune. The Mission recommends that CPMU explore the possibility of engaging these early beneficiaries as commune extension workers under service providers using participatory selection method.

28. The problem of lack of service providers to submit bids for extension contract at the start of the Project has declined with the implementation of Government Decree No. 115. Nevertheless, insufficient number of service providers to submit bids is still a problem in remote mountainous districts. The Mission recommends increasing private sector involvement in developing indigenous products for niche market in the mountainous provinces.

29. A review of service providers shows that a variety of extension service providers have been participating in the bidding process. These include district agricultural extension stations, semi-public service agencies, social organizations such as farmer's union and gardening association, seed company, fertilizer company, and research institutes. It appears that agricultural extension stations and technical general service centers at district level are the only ones participating in remote areas.

30. Since the use of extension contract in Viet Nam is pioneered under the Project, the Mission recommends that a study be conducted in Q3 of 2010 to evaluate effectiveness of extension contract to extract lessons for MARD and for improving project implementation. In particular, the fact that district extension stations are participating as service providers should be seriously scrutinized.

31. During field visits to livestock demonstration under the Project, the Mission noted that extension materials produced under the Project could be improved to be more pro-poor, including adding more illustrations and pictures for poor farmers with limited literacy. The Mission also noted environmental safeguards of the livestock projects are not being implemented.

32. The Mission reiterated the recommendations provided in the March 2009 Mission and added the following recommendations:

- (i) Where feasible, contract farming schemes of safe food and environmentally friendly products (such as organic products) is to be promoted. Study tours for farmer leaders and TOT be organized to visit schemes organized by the Metro Supermarket and box schemes or organic vegetables organized by NGOs and social entrepreneurs in different locations in the country.
- (ii) Extension program for poor households is to adopt a holistic approach of empowering the households and not focusing only on yield improvement without consideration on market linkage. Other production-related issues such as i.e., processing, packaging, or marketing should be considered. For indigenous communities, production of high-value products for niche market is to be prioritized.
- (iii) (iii) Where demonstration demonstration plots are set up, letters of invitation to households to visit the demonstration plot should be addressed to the women at least once in the three formal visits under the Project. This will ensure that women will also benefit from the project activities.
- (iv) Additional training be conducted for extension workers and service providers on (i) gender mainstreaming, (ii) participatory method, (iii) climate change, environment, social, and health implications of agriculture technologies.
- (v) In all project activities, social and environmental safeguards are to be strictly implemented. Gender action plan are to be reflected in all activities under the Project.
- (vi) The system of information dissemination to farmers through ICT technologies in particular through mobile phone (SMS) be explored for the project. NAFEC and CPMU are to review experiences of using SMS to send information to farmers and assess the feasibility of introducing into the Project.

### **3. Rural-Based Technical and Vocational Training**

33. The capacity of ten rural-based technical and vocational training schools is being strengthened by (i) improving technical knowledge, teaching, and managerial skills of teachers and administrators and curricula; and (ii) upgrading library and laboratory equipment and materials, teaching and laboratory facilities, and office equipment for school administration. DOP continues to oversee activities under this component.



34. Workshops and seminars on development strategy for the 10 schools in the Project are being carried out. Course conducted include the following:

- (i) Three training courses on "Developing Training Curricula" for 70 participants, including 15 females (21.4%).
- (ii) Four training courses on credit transfer system for 120 participants, including 23 females
- (iii) three training courses on compiling training materials for 86 participants, including 28 females (32.5%).
- (iv) English training courses were organized at each of the 10 project schools for school leaders and teachers (15-20 participants in each schools).

35. Through these workshops, the 10 schools have been able to do the following:

- (i) Prepared strategy development plans up to 2020,
- (ii) Prepared individual outlines on curriculum completion and training materials development (with detailed cost estimates),
- (iii) Established a steering board on curriculum completion and training materials development, and
- (iv) Prepared a training master plan to strengthen the capacity of each school in 2009.

36. Almost all schools have completed the survey on current curriculum and training needs and two schools have submitted training programs to DOP.

37. The weak linkages between schools and the private sector (i.e., agro-industries) and the limited awareness on new emerging issues related to agriculture and climate change remains the weak areas of the project. The Mission reiterated its concern on improving the coherence of activities and exchange among institutes and schools and strengthening collaboration with trade and agro-industry associations to ensure that training activities address the needs of the rapidly changing environment of the food industry. Climate change and food safety are to be integrated into curriculum and textbooks of participating schools. Completion of curriculum development to address these weaknesses will be concentrated for the remaining project period.

38. Contracts have been awarded for the procurement of (i) small-scale civil works for the construction and renovation of classrooms, libraries, and laboratories; and (ii) school & laboratory equipment for the 10 training and vocational schools. Draft bidding documents and bid evaluation reports for the remaining packages continue to be prepared and submitted for ADB approval. To date, 18 contracts (8 for civil works and 10 for equipment) have been awarded with a disbursement of \$675,633. The installation and necessary trainings are expected to be completed in 2010. A summary of the status of the procurement of packages is in Appendix 5.

#### 4. Project Management

39. The CPMU is the overall project management support, acting as the central contact and coordination point for the Project, and monitoring the progress of all components. There are five provincial project management units (PPMU) in five provinces and 20 institute project management units (IPMU) comprising ten research institutes and ten agricultural colleges & vocational schools implementing the various project activities.

40. The following highlights the Mission's findings and recommendations:

- (i) **Slow Submissions of PPMUs and IPMUs.** CPMU is to continue training PPMU and IPMU staff on preparation of financial documents to expedite project activities.
- (ii) **Collaboration Between Consultants and CPMU.** Communication between consultants and CPMU has not been sufficiently improved, resulting in ineffective technical inputs of consultants into project activities. Past recommendations of the Mission to hold regular meetings between consultants and CPMU has not been implemented. Meeting logs and attendance sheets are to be sent to ADB regularly.
- (iii) **Rental of Office Space.** The Mission was informed that the construction of the new building to host CPMU is delayed by 18 months and the Project is requested to shoulder the rental fee for CPMU until the new building is ready. MARD assured the Mission that rental fee for CPMU office will be covered by the Government. ADB loan proceed will be used only as a last resource, if necessary. The Mission requests that in the new rental agreement, sufficient office space be provided for consultants to improve communication between consultants and CPMU.
- (iv) **Monitoring and Evaluation Capacity.** Monitoring framework for component 1 on research and training has been established but yet to be effectively implemented. Monitoring framework for component 2 and 3 are yet to be developed and implemented. The Mission recommends additional consultant services on M&E and database management to operationalize cohesive monitoring systems for each project components. Baseline information are to be consolidated into database by CPMU and monitoring systems are to be operationalized by Q3 of 2010. CPMU to allocate full-time staff to follow up with IPMUs and PPMUs on project reporting. Additional training on monitoring and evaluation are to be organized for staff in all project activities.
- (v) **Project Design and Monitoring Framework (DMF).** The Mission and the Project team updated the DMF (Appendix 14) and revised the design summary and indicators to make them measurable and consistent with the information and data in the main text of the RRP, detailed cost estimates, and other supporting documents of the Project. There are no changes made in project scope and key investment activities. The CPMU will finalize the draft DMF and M&E and submit it for ADB comments by 30 June 2010.

To enhance project activities, the Mission, in consultation with CPMU agreed to conduct the following studies:

- (i) *Study on International Best Practices and Knowledge Projects on Pro-poor Agriculture Development.* A local researcher (with background on pro-poor research/extension) will be engaged to review knowledge products developed by ADB and other development partners on pro-poor agriculture technologies and climate change adaptation for the poor. So far, the Project has not benefited from these knowledge products. The technologies will include not only production but also pre and post harvest handling, processing, and linkage to market. The researcher will identify the knowledge products, translate them, and recommend them for extension trials in Project areas. The researcher will work with CPMU to create an action plan and mechanisms to transfer these knowledge products to improve quality of activities in all PPMU and IPMUs. Documents to be reviewed will include but not limited to ADB RETA to

CGIAR centers on technologies in marginal land, RETA on GMS vegetable value chain, RETA on GMS transboundary disease control, FAO, IFOAM, etc.

(ii) *Evaluation of Service Provider.* A study will be conducted to evaluate service providers under the Project to extract lessons for the Project and for MARD. The study will be conducted by international Extension Specialist using survey funds currently allocated under consultants contract.

(iii) *Mini-impact/ Cost-Benefit of Extension Study.* In Q4 of 2010, an international researcher will be engaged to work with the Database/M&E specialist to conduct a study on cost-benefits and return to investment on extension activities of the Project. A survey of about 200 households in each province will be conducted in communes under the Project where extension demonstration has been implemented in 2009 to assess the immediate outcomes and impacts of current extension program.

(iv) *E-Library Action Plan Development.* A study will be conducted to develop an action plan for e-library establishment for participating research institutes and schools under the Project.

### C. Procurement of Civil Works, Goods and Services

41. An updated list of procurement status at schools and institutes provided by the CPMU is shown in Appendix 5 and 6, respectively. The status of procurement activities for each component in the project design is listed as follows:

- (i) **Component 1:** Contracts have been awarded for the procurement of research and laboratory equipment while draft bidding documents and bid evaluation reports for the remaining packages continue to be prepared and submitted for ADB approval. To date, 20 contracts for equipment have been awarded. The installation and necessary trainings are expected to be completed in 3Q 2010.
- (ii) **Component 2:** The procurement of office equipment for the PPMUs and extension equipment for agricultural extension at district level have been completed.
- (iii) **Component 3:** Eight and ten contracts have been awarded for the procurement of small scale-civil works and equipment, respectively. Draft bidding documents and bid evaluation reports for the remaining packages are still being prepared to be submitted for ADB approval. The installation and necessary trainings are expected to be completed in 2010.

42. The Mission and EA revisited the Procurement Plan and made minor changes as seen in Appendix 7.

### D. Consulting Services

43. **Status of Consulting Firm Inputs.** As of 30 April 2010, contracts awarded is \$1.090 million (100.8% of budget allocation) and disbursement is \$437,691 (40% of budget allocation). Of the 125 person-months of consulting services inputs (29 international and 96 national), a total of 68.91 person-months (14.93 international and 53.98 national) have been utilized as of 30 April 2010, equivalent to 55%. The schedule of consultants' inputs is presented in Appendix 8.

44. The project implementation consultants were fielded 13 months after Loan approval. Until mobilization of the consulting firm in September 2008, administrative and technical support were provided to the CPMU under TA-4619.<sup>2</sup> Due partly to this, the consulting firm initially faced difficulties in providing effective inputs. The need to hold regular weekly meetings between CPMU, implementing agencies, and the consultants was stressed to update each other on key project issues and outcomes.

45. Ineffective technical inputs of international consultants has been a serious problem under the Project. Quality of project activities has suffered due to delays in mobilization of key consultants. To date, some project activities, in particular extension activities have not benefited from technical inputs on international best practices in pro-poor extension development. Monitoring and evaluation expert and extension expert were only mobilized in December 2009 while environmental expert is yet to be mobilized. In addition, international extension specialist was mobilized in Dec 2009 but resigned after only 0.5 months due to personal problem. The Mission met with representative of consulting firm to discuss the issues. The consulting firm agreed to expedite the consultant replacements and mobilizations taking into account the modified TOR to incorporate experts on Clean Development Mechanism(CDM) in agriculture, pro-poor ICT extension methodology, and linkages to private sector.

46. The Mission recommends the following for action of the CPMU:

(i) *International Extension Specialist.* With the resignation of the current expert, recruit a new extension specialist and increase his/her input from current balance of 3.6 months to 12 months for remaining period of the Project. The TOR is to be modified to include skills related to ICT and extension, pro-poor extension material production, climate change adaptation/mitigation for the poor.

(ii) *International Environmental Specialist.* Expert recruited could not be mobilized due to other commitments so new environment specialist is to be identified. The TOR is to be modified to include skills related to Clean Development Mechanism(CDM) opportunities in agriculture sector, including carbon credit for compost, environmental requirement for food safety certifications.

(iii) *National Database Management/M&E Specialist.* A new national consultant is to be engaged intermittently for 10 months to create database for M&E system for each component of the Project and train staff of CPMU, PPMUs and IPMUs to operationalize the system. The expert will consolidate the baseline data, implement impact and evaluation studies under the Project.

(iv) *Value Chain Development Specialist.* A new national consultant is to be engaged for 12 months to assist in strengthening linkages to private sector to identify products demanded by market which remote rural communities can produce and promote product development in the extension projects. Using the results of the indigenous knowledge survey of the Project, the researcher will work with private sector to identify indigenous products with market potential for urban and export markets. A niche market product development plan will be developed together with extension services and implemented in project areas. Participatory guarantee system will also be introduced in the project communes as part of product development. Experience in

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<sup>2</sup> ADB. 2005. *Technical Assistance to the Socialist Republic of Viet Nam for Strengthening Agriculture Science and Technology Management*. Manila (TA 4619-VIE).

contract farming of high-value products, including certified products for urban and export markets is required.

- (v) *National Communication Specialist*. The consultant will be engaged for 24 months to assist in improving quality of reporting and document production in the Project.

47. **Status of Individual Consultants.** As of 30 April 2010, the Project has engaged 7 national individual consultants (extension specialists for the 5 provinces, a training consultant, and a CPMU coordinator) for a total of 164 person-months input. To date, 112.5 person-months have been rendered.

#### E. Project Reporting

48. ADB received the mid-term review report a few days prior to the start of the Mission in early May 2010. The content of the report was more comprehensive than the past project report. The Mission reiterates the need for the Project to improve the quality of the report. The progress report should include attachments such as brief summary of the implementation progress of the research programs, update of the loan covenants, update of the action plan for all activities under each component, computation of overall implementation progress, and an update on the list of items procured. A list of reports submitted and publications under the Project is shown in Appendix 9.

#### F. Project Costs and Financing

49. **Contract Awards and Disbursement.** As of 30 April 2010, the CPMU reported total disbursement of VND228,290,129,000 (approximately \$12.95 million) comprising of VND 174,412,829,000 (approximately \$9.9 million) of ADB funds and VND53,877,300,000 (approximately \$3.05 million). A schedule showing overall project expenditure to date is in Appendix 10.

50. The status of ADB Loan utilization as of 30 April 2010 can be found in Appendix 11. As of 30 April 2010, the dollar-equivalent value of ADB's loan (SDR20.198 million) is \$30.501. The cumulative contract awards and disbursements of loan proceeds were \$8.47 million and \$8.965 million, respectively. The 2010 contract awards and disbursement projections are \$5.20 million and \$5.18 million and accomplishments as of 30 April 2010 were \$1.620 million (or 31%) and \$1.700 million (or 33%).

51. **Audited Financial Statements.** To aim for a timely submission (30 June 2010) of the audited report for 2009, the Mission reminded CPMU to request that the auditor commence auditing procedures as early as possible.

52. **Counterpart Funds.** Of the VND118.851 billion counterpart funding requirement reflected in the Project's projected expenditures for 2010, approximately VND90.919 billion has been committed by the Central Government for expenditures covering Components 1, 3, and 4; while a total of approximately VND27.932 billion has been committed by the five participating provinces for activities in Component 2.

53. Counterpart funds from CPMU has been sufficient for project implementation but counterpart funds from PPMUs faced some difficulties. Counterpart funds allocation remains problematic in Ninh Thuan and Quang Nam Provinces. In 2010, the Project Steering

Committee authorized reallocation of project funds earmarked for these two provinces in 2009 to use in Thanh Hao and Nghe An, as these two provinces have more participating districts and have sufficient counterpart funds.

#### **G. Benefit Monitoring and Evaluation**

54. Benefit Monitoring and Evaluation System of the Project is yet to be fully operationalized and request by ADB for increased attention on this activities has not been sufficiently addressed. Database on baseline information at the start of the project on different project components remains scattered and urgent actions in compiling them is required.

#### **H. Environmental and Social Safeguards**

55. As the Project works largely in environmental and social sensitive areas, ADB safeguards should be strictly adhered to. Based on field visit during the Mission, awareness on social and environmental safeguards remains to be improved. The CPMU is to work on improving social and environmental requirements of research, extension and vocational training activities. The Mission reiterates that all project staff familiarize themselves with ADB's policies available at ADB website. Where documents are available in Vietnamese, such as the Project's gender action plan, as agreed between the Socialist Republic of Viet Nam and ADB, the CPMU is to make the documents available to all PPMU and IPMU staff.

56. The Mission recommends that where relevant and appropriate, training be conducted for project personnel including service providers:

- (i) Gender mainstreaming
- (ii) Participatory method of research and extension
- (iii) Social and environmental safeguards, including biodiversity
- (iv) Holistic approach to empowering poor farming households
- (v) Working with indigenous people
- (vi) Agri-food product certification system and contract farming of green products
- (vii) Production of pro-poor extension materials
- (viii) Agriculture and climate change
- (ix) Baseline and M&E system

#### **I. Compliance with Loan Covenants**

57. The Mission finds the loan covenants to be generally complied with. Insufficient counterpart funds from two PPMU are being addressed by MARD. Weaknesses on gender, environment, and social safeguards are being rectified. Project Steering Committee is to meet twice a year, independent of other project activities i.e., wrap-up meeting of ADB Mission, to effectively guide and resolve issues on the Project. An updated schedule of covenants is given in Appendix 12.

#### **J. Reallocation of Loan Proceeds**

56. The Mission and the EA reviewed in detail the expenditures incurred under the Project to date, as well as proposed future expenditures, and recognizes the need to reallocate several loan categories. Appendix 13 shows the details of the proposed reallocation and total project

requirement until the end of the Project. Specifically, the following reallocations need to be done for the following:

- (i) procurement of research and laboratory equipment for two additional research institutes, Agriculture Environment Institute and Agriculture Science Institute of Northern Central Viet Nam amounting to \$0.38 million and \$0.35 million, respectively.
- (ii) revision of curriculum for the 10 vocational and technical training schools amounting to \$0.60 million.
- (iii) increase in contract amount of packages due to adjustment in the value added tax.
- (iv) Increase in consultant category for additional consultants inputs as proposed in para. 46.

57. The necessary internal ADB approvals will be processed for the agreed reallocation upon return of the Mission to ADB Manila.

#### K. Loan Extension

58. The Government wishes to complete the Project as designed in terms of outputs and outcomes. Due to 1.5 years delay in the start-up activities and weak capacity of the implementing agencies, it has requested a 1-year extension of the loan and project implementation period to allow: (i) more time for transferring research results into the extension so that the project's impact could be maximized; (ii) some Ph.D candidates to complete their studies before the proposed loan closing date of 30 June 2013; (iii) more time for preparation of about 30 training programs and curriculum revision. It was agreed that this extension will be the only extension of the Project.

59. CPMU will acquire letter of assurance from PPMU on counterpart funds and budget support for PPMU staff for the 1-year extension. Given this justification, and the current physical progress of 43%, the Government requested the Mission's endorsement of a 1-year extension, to 30 December 2012 to complete project activities, and to 30 June 2013 for closure of the Loan. Based on its review on the Project's achievements to date and the proposals for completion, the Mission supports this request. The Mission requested the EA to forward a formal request through SBV for loan extension to ADB on behalf of the Government by 1 August 2010.

#### IV. FOLLOW UP ACTIVITIES

60. A summary of major issues and agreed action plan is shown below.

Summary of Major Issues and Agreed Action Plan

No.	Issue/Activity	Target Date	Status of Progress	Recommendation
	<b>COMPONENT 1</b>			
1	Limited orientation of research programs toward market linkages for the poor, food	3Q 2010	Training workshops conducted for	DSTE and consultants to implement M&E system

No.	Issue/Activity	Target Date	Status of Progress	Recommendation
	safety, and reconciling agriculture with environment. Weakness of some research proposals in being able to produce short-term results at a relatively low cost and be extended to poor farmers (DSTE and CPMU).		researchers but mechanism to track if concerns are implemented is yet to be operationalized.	and report to ADB how concerns have been addressed and monitored.
2	Implementation of M&E system for research and extension project (CPMU in collaboration with DSTE and NAFEC)	2Q 2010	M&E framework for research, and training developed but yet to be implemented.	Implementation of M&E system.
	<b>COMPONENT 2</b>			
3	Extension projects to improve on: (i) social, economic, and environmental assessment; (ii) pro-poor extension materials; (iii) gender focus; and (iv) baseline and monitoring system. (NAFEC and CPMU)	2Q 2010	Training conducted but insufficient. M&E System is yet to be established.	NAFEC and consultants to work with PPMU, provincial extension staff, and service providers to address these issues
4	Lack of service providers submitting bids in mountainous provinces (CPMU and PPMUs)	2Q 2010	Status improved by Government's action on Decree 115	Value chain development specialist to be engaged to create linkages with private sector firms to provide extension in niche market product development.
	<b>COMPONENT 3</b>			
5	Weak linkages between schools and the private sector (i.e., agro-industries) and limited awareness on new emerging issues relate to agriculture and climate change (CPMU/IPMUs)	2Q 2010	Minimal improvement observed.	Further strengthening collaboration with trade and agro-industry associations be done to ensure that training activities address the needs of the rapidly changing environment of the food industry. Curriculum development to include climate change mitigation and adaptation in agriculture
	<b>PROJECT MANAGEMENT</b>			
6	Collaboration between consultants and CPMU. Communication between consultants and CPMU has not been sufficiently improved, resulting in ineffective technical inputs of consultants into project activities		Past recommendations of the Mission to hold regular meetings between consultants and CPMU has not been implemented	A log of meetings and attendance is to be sent to ADB regularly from Jun 2010

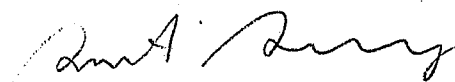


No.	Issue/Activity	Target Date	Status of Progress	Recommendation
7	Project Management. The Mission observed that the Project Manager is increasingly involved in other activities in MARD, leaving him with insufficient time for the Project.	2Q 2010		Mission request MARD to assure full time attention of Project Manager on project activities.
8	Rental of office space for 18 months for CPMU	2Q 2010		Mission request that office space be provided for consultants to improve coordination and communication between CPMU and consultants.
9	CPMU are to allocate full-time staff time to follow up with IPMUs and PPMUs on project reporting. Additional training on monitoring and evaluation are to be organized for staff in all project activities.	3Q 2010		The Mission recommends additional consultant services on M&E and database management to operationalize cohesive monitoring systems for each project components
10	<p>Reallocation of Loan Proceeds:</p> <ul style="list-style-type: none"> <li>- procurement of and laboratory equipment for two additional research institutes, Agriculture Environment Institute and Agriculture Science Institute of Northern Central Viet Nam amounting to \$0.38 million and \$0.35 million, respectively</li> <li>- revision of curriculum for the 10 vocational and technical training schools amounting to \$0.60 million</li> <li>- increase in contract amount of packages due to adjustment in the value added tax</li> </ul>	2Q 2010		CPMU to work with State Bank of Viet Nam to submit formal request for loan reallocation to ADB along with request for loan extension.
11	<p>Increase in consultant category for additional consultants inputs as follows:</p> <ul style="list-style-type: none"> <li>- International Extension Specialist, 12 pm (3.6 plus additional inputs)</li> <li>- National Database Mgmt/M&amp;E, 10 pm</li> <li>- Value Chain Dev Spec., 12 pm</li> <li>- National Communication Specialist, 24 pm</li> </ul>	2Q 2010		CPMU and consultants to develop new TORs and update existing TORs. Consulting firm to submit request for contract variation to ADB.

No.	Issue/Activity	Target Date	Status of Progress	Recommendation
12	Summary of project documents, ongoing 25 research projects, extension materials, studies are to be posted in AST project website.	2Q 2010		CPMU to provide information to NAFEC to post on website.
13	Studies to be conducted: 1. <i>Study on International Best Practices and Knowledge Projects on Pro-poor Agriculture Development</i> 2. <i>Evaluation of Service Provider</i> 3. <i>Mini-Impact/ Cost Benefit of Extension Study</i> 4. <i>E-Library Action Plan Development</i>	3Q-4Q 2010		CPMU to take action to engage researchers to carry out the studies.
14	The Mission and the Project team updated the project design and monitoring framework (DMF) and revised the design summary and indicators to make them measurable and consistent with the information and data in the main text of the RRP, detailed cost estimates, and other supporting documents of the Project. There are no changes made in project scope and key investment activities.	30 June 2010		The CPMU will finalize the draft DMF and M&E and submit to ADB for comments by 30 June 2010
15	Extension of loan closing date to 30 December 2012	1 Aug 2010		CPMU to work with State Bank of Viet Nam to submit formal request to ADB

## V. ACKNOWLEDGEMENTS

13. The Mission would like to thank MARD especially the following agencies: ICD, APMB, CPMU and the Consultants, DOF, DOP, DSTE, NAFEC, SBV, Secondary Technical School for Food & Food Stuff, Forest Science Research Institute, Plant Protection Research Institute, Soil & Fertilizer Research Institute, and the provincial project management unit in Thanh Hoa for their help and cooperation during the Mission's visit. The next loan review mission is tentatively scheduled for September 2010.



Sununtar Setboonsarng  
Hanoi, Viet Nam  
13 May 2010

### **List of Appendixes**

1. List of Persons Met and Attendees at Wrap-up Meeting
2. Physical Progress
3. Project Implementation Schedule (Revised)
4. Procurement of Civil Works, Goods, and Services
5. Summary of Procurement Status at Institutes
6. Summary of Procurement Status at Vocational and Technical Training Schools
7. Procurement Plan (Revised)
8. Status of Consulting Services
9. List of Reports and Publications
10. Summary of Project Expenditures
11. ADB Loan Utilization as of 30 April 2010
12. Compliance with ADB Loan Covenants
13. Proposed Reallocation
14. Draft Project Design and Monitoring Framework (DMF)



## APPENDIX: LIST OF PERSONS IN WRAP-UP MEETING - MARD

### 1. NAFEC:

Mr Phung Quoc Quang, Deputy Director of NAFEC  
Ms Thuy – NAFEC staff

### 2. CPMU & Consultants:

#### 2.1 CPMU

Nguyễn Thế Hình – Director  
Lê Thị Nhung – Deputy Director of CPMU  
Nguyễn Văn Hiền – Training Consultant  
Hà Thị Thu – Chief Accountant  
Dương Thị Diễm Hằng - Accountant  
Nguyễn Văn Chiến – Coordination Consultant  
Vũ Tiến Dũng – Head of Technical Division  
Nguyễn Văn Quyết – Head of Administrative Division  
Nguyễn Ngọc Lầu – Technical staff  
Trịnh Thị Thúy Hồi – Technical staff  
Nguyễn Thị Minh Hương – Planning staff  
Nguyễn Thị Việt Hà - countant staff  
Nguyễn Thị Thanh - Administrative staff  
Nguyễn Thị Ngọc Lan - Administrative staff  
Nguyễn Thị Thanh Nga - Accountant  
Trần Diễm Mỹ - Planning staff

#### 2.2 Consultants

Michael Blyth – Team Leader, International Research Management Consultant  
Nguyễn Thị Lan – Deputy Team Leader, Domestic Research Management Consultant  
Nguyễn Thế Côn – Extension Management Domestic Consultant  
Mr Wang – International M&E consultant  
Ms Tra – Social Development Domestic Consultant  
Mr. Dao Van Khang – NAFEC implementation assessment Consultant  
Ms. Nguyễn Thị Loan – Environment Consultant

### 3. APMB:

Nguyễn Hữu Khương – Director of APMB

### 4. DSTE:

Nguyễn Tân Hình – Vice Director of DSTE  
Trần Thị Đình – Staff

### 5. DOP:

Hà Thúy Hạnh – Deputy of head training Division

### 6. DOF of MARD

Ms. Nguyễn Thị Anh Thuyen - Staff

### 7. ICD of MARD

Ms Ho Thi Minh Chau – Deputy Head

### 8. MoF

Ms Nguyễn Thị Thanh Hà – Deputy Director General

Ms Pham Van Anh - Staff

Ms. Nguyen Thi Hop – Staff

**9. Construction Department**

Le Minh Hoa - Deputy Director General

**10. Ministry of Planning and Investment**

Vuong Xuan Chinh – Vice Director of Agricultural Economy

**11. VAAS**

Nguyen Van Tuat – Vice Director

Nguyen Thi Hop - Deputy of head

**12. VICA Consultant firm**

Pham Ngoc Thang – Vice Director

## APPENDIX 1: LIST OF PERSONS MET

### 1. NAFEC:

Mr Phung Quoc Quang, Deputy Director of NAFEC  
Mr Nguyễn Văn Chung, NAFEC's staff  
Ms Thuy – NAFEC staff

### 2. CPMU & Consultants:

#### 2.1 CPMU

Nguyễn Thế Hình – Director  
Lê Thị Nhung – Deputy Director of CPMU  
Nguyễn Văn Hiền – Training Consultant  
Hà Thị Thu – Chief Accountant  
Dương Thị Diễm Hằng – Accountant  
Nguyễn Văn Chiến – Coordination Consultant  
Vũ Tiến Dũng – Head of Technical Division  
Nguyễn Văn Quyết – Head of Administrative Division  
Nguyễn Ngọc Lâu – Technical staff  
Trịnh Thị Thúy Hôi – Technical staff  
Nguyễn Thị Minh Hương – Planning staff  
Vũ Việt Hà – accountant staff  
Vũ Hồng Hải – Translator

#### 2.2 Consultants

Michael Blyth – Team Leader, International Research Management Consultant  
Nguyễn Thị Lan – Deputy Team Leader, Domestic Research Management Consultant  
Nguyễn Thế Côn – Extension Management Domestic Consultant  
Mr Wang – International M&E consultant  
Ms Tra – Social Development Domestic Consultant

### 3. APMB:

Nguyễn Hữu Khương – Director of APMB

### 4. DSTE:

Nguyen Tan Hinh – Vice Director of DSTE  
Trần Thị Đình – Staff

### 5. DOP:

Phùng Hữu Cần – Staff  
Hà Thúy Hạnh – Deputy of head training Division

### 6. Institute of Plant Protection Research Institute:

Ms Vuong – Deputy Director  
Ms Binh – Staff of IPMU  
Ms Hanh – Staff of IPMU

### 7. Institute of Soil and Fertilizer Institute:

Mr Toan – Director of IPMU  
Ms Hanh – Chief Accountant  
Mr Son – Research project leader

### 8. Institute of Forestry Science of Vietnam:

Mr Duc – Staff of IPMU

### 9. Institute of Agriculture Environment:

Ms Hoa – Research project leader

### 10. Thanh Hoa PPMU:

Mr Mai Ba Luyen – Deputy Director of DARD, Director of PPMU  
Mr Le Van Hanh – Director of PAFEC, Deputy Director of PPMU  
Mr Cuong – Provincial Extension Consultant

Mr Son – PPMU staff  
Ms Thuy – Chief Accountant

**11. Hong Duc University:**

Prof. Dr. Nguyen Song Hoan – Deputy Rector of University, Research Project Leader  
Mr Nguyen Ba Thong – Head of Science Department  
Ms Nguyen Thi Bach Yen – Deputy Head of Agriculture Department

**12. Ha Trung District – Thanh Hoa province**

Nguyen Thanh Tung – Chairman of District PPC  
Nguyen Van Tuan – Deputy Chairman of District PPC  
Mr Nguyen Van Thinh – Director of the District Extension Station  
Mr Do Quoc Dao – Chairman of Ha Phong Commune PPC

**13. Thach Thanh District – Thanh Hoa province**

Mr Dinh Xuan Lan – Vice Chairman of District PPC  
Mr Nguyen Khac Luat – Director of District Extension Station  
Mr Nguyen Xuan Soi – Vice Chairman of Thach Dong commune PPC  
Ms Pham Thi Tham – commune extension staff of Thach Dong commune  
Mr Bui Minh Chinh – Chairman of Thach Lam commune PPC  
Mr Nguyen Duc Thuan – Vice Chairman of Thach Lam commune PPC  
Ms Quach Thi Le – Extension staff

**14. DOF of MARD**

Mr Nguyen Van Ha – Deputy Director General of DOF  
Ms Thuyen – Staff

**15. ICD of MARD**

Ms Ho Thi Minh Chau – Deputy Head

**16. MoF**

Ms Ha – Deputy Director General  
Ms Van Anh – Staff

**17. ADB Viet Nam Resident Mission**

Ayumi Konishi-Country Director  
Hong Anh-VRM staff





## Physical Progress Computation as of 15 April 2010

	Weight	Score	Progress
<b>1. Client-oriented Research and Capacity Strengthening</b>		<b>38</b>	<b>13.68</b>
1.1. Client-oriented Research Programs	10	10	
- selection process	80	28	
- research activities	10	10	
- final report			11.88
1.2. Training of Research Staff		<b>44</b>	
1.2.1. Overseas	10	8	
- selection process	80	35	
- study	10	1	
- certification			
1.2.2. Domestic			
- courses			
- participants			
1.3. Upgrading of Laboratory Equipment f research institutes		<b>34</b>	<b>12.58</b>
- procurement process	10	9	
- installment	50	25	
- zation	40	0	
		<b>38.14</b>	
<b>Grassroots Agriculture Extension Improvement</b>	<b>22</b>		<b>10</b>
2.1. Strengthening of Pro-poor Provincial Agricultural Extension Services			
2.1.1. national			
- provincial			
number of provincial staff			
- trainers	40	45	
- participants	100	100	
packages of training	270	100	
persons day spent for the training	1000	400	
2.1.2. districts			
- number of district staff	400	150	
- number of training courses	270	100	
- number of person days	1000	200	
2.1.3. commune			
number of communes served	1500	300	
- number of potential services providers	5500	1000	
2.2. Promotion of extension contracts			
- number of communes served	500	150	
- number of household beneficiaries served	50000	1000	
- number of contract awards for commune services			
- value of total contracts awarded (\$)			
	<b>25</b>		<b>11</b>
<b>Rural -based Technical and Vocational training</b>			
3.1. Teaching Management & Curricula Improvement			
- curricula development			
- capacity building f teachers/managers			
- number of participants			
- persons day of training/workshop/study tours	100	23	
3.2. Upgrade library and other Infrastructure	10	8	
- procurement process	50	15	
- installment/construction	40	0	
- utilization			
4. Project Management Support		<b>10</b>	<b>5</b>
- Project generic staff	673		
- Consulting staff	1654		
- vehicle/equipments	209		
- Operation, monitoring/supervision	652		
<b>Overall</b>			<b>43</b>

# APPENDIX 3: REVISED PROJECT IMPLEMENTATION SCHEDULE

Item	2007				2008				2009				2010				2011			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>A. Client-oriented Agricultural Research and Capacity Strengthening</b>																				
Client-oriented agricultural research programs																				
- Identification of research needs																				
- Procurement of needed materials and equipment																				
- Use of research funds for selected programs																				
Training and post-graduate programs																				
- Preparation of programs																				
- Application and selection																				
- Program implementation																				
Upgrading of equipment																				
- Equipment specification and tendering																				
- Procurement and installation																				
- Training for equipment use and maintenance																				
<b>B. Grassroots Agricultural Extension Improvement</b>																				
Provincial plans for pro-poor agricultural extension services																				
Training programs for trainers, extension staff, and grassroots service providers																				
- Extension module development																				
- Preparation of programs																				
- Application and selection																				
- Program implementation																				
Provision of on-farm demonstration trials																				
Contractual agricultural extension services																				
- Establishment of a contractual management system																				
- Extension contracts																				
Capacity strengthening of local extension centers																				
- Equipment specification and tendering																				
- Procurement and installation																				
<b>C. Rural-based Technical and Vocational Training</b>																				
Training programs for teaching and administrative staff																				
- Preparation of programs																				
- Application and selection																				
- Program implementation																				
- Support for developing curriculum guides																				
Upgrading of library and laboratory facilities																				
- Equipment specification and tendering																				
- Procurement and installation																				
- Training for equipment use and maintenance																				
<b>D. Project Management Support</b>																				
Establishment of provincial project management units																				
Recruitment of implementation consultants																				
Procurement of vehicles and equipment																				
Appointment of incremental project staff																				
Establishment of a project steering committee																				
Monitoring of project activities																				
Financial auditing																				
Quarterly progress reporting																				
Midterm review																				
Project completion review																				

 Timing of project activities.  
 Intermittent or continuous activities.

**APPENDIX 4: PROCUREMENT OF CIVIL WORKS, GOODS, AND SERVICES**  
 (\$ '000)

<b>Component</b>		<b>Appraisal Estimates</b>	<b>Procured to date</b>	<b>Percentage Achieved (%)</b>
1	Client-Oriented Agricultural Research and Capacity Strengthening			
	Civil Works	53		0.00
	Equipment	3,380		0.00
	Materials	1,811		0.00
	Training	4,994	363	7.27
	Research and Extension Contracts	5,500	29	0.53
2	Grassroots Agricultural Extension Improvement			
	Equipment	221	224	101.36
	Materials	142		0.00
	Training	2,814	795	28.25
	Research and Extension Contracts	4,582	1574	34.35
3	Rural-Based Technical and Vocational Training			
	Civil Works	1,549		0.00
	Equipment	6,338		0.00
	Materials	843		0.00
	Training	315	170	53.97
4	Project Management Support			
	Equipment	151	81	53.64
	Vehicles	72	21	29.17
	Materials	33		0.00
	Consulting Services	982	149	15.17
<b>Total</b>		<b>33,780</b>	<b>3,406</b>	<b>10.08</b>

**TABLE 3: SUMMARY OF PROCUREMENT STATUS AT INSTITUTES**  
(by 15 April 2010)

INSTITUTE	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ABD FOR PAYMENT
<b>I. CONSTRUCTION</b>				
1			No construction bid at 10 Institutes	
<b>II. PROCUREMENT</b>				
1 Soils And Fertilizers Research Institute	<ul style="list-style-type: none"> <li>• Package 1 (Lots 1 &amp; 2)</li> <li>• Package 2</li> <li>• Package 3</li> <li>• Package 4</li> </ul>	<ul style="list-style-type: none"> <li>• 330.038</li> <li>• 186.197</li> <li>• 33.550</li> </ul>	<ul style="list-style-type: none"> <li>• Awarded, being installed &amp; expected to be evaluated on 10 April 2010</li> <li>• Awarded, being installed, &amp; expected to be evaluated on 25 April 2010</li> <li>• Bidding competition being organized &amp; will an end on 28 April 2010</li> <li>• Awarded &amp; evaluated on 10 September 2009</li> </ul>	<ul style="list-style-type: none"> <li>• 25/5/2010</li> <li>• 10/6/2010</li> <li>• 15/6/2010</li> <li>• 25/10/2010</li> </ul>
2 Northern Mountainous Agriculture And Forestry Science Institute	<ul style="list-style-type: none"> <li>• Package 1</li> <li>• Package 2</li> <li>• Package 3</li> </ul>	<ul style="list-style-type: none"> <li>• 560.869</li> <li>• 227.250</li> </ul>	<ul style="list-style-type: none"> <li>• Awarded, expected to be delivered on 24 April 2010</li> <li>• Bidding document not prepared yet (Awaiting for capital adjustment)</li> <li>• Awarded, &amp; expected to be delivered after 90 days</li> </ul>	<ul style="list-style-type: none"> <li>• 5/6/2010</li> <li>• 15/12/2010</li> <li>• 23/7/2010</li> </ul>

INSTITUTE	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ABD FOR PAYMENT
			from 8 April 2010	
3 Forest Science Institute Of Vietnam	<ul style="list-style-type: none"> <li>• Package 1</li> <li>• Package 2</li> <li>• Package 3</li> </ul>	<ul style="list-style-type: none"> <li>• 186.229</li> </ul>	<ul style="list-style-type: none"> <li>• Awarded &amp; expected to be delivered on April 2010</li> <li>• Bidding dossier approved. Bidding dossier being organized. Expect to submit its result to ADB on May 2010</li> <li>• Bidding dossier of Procurement Package (Shopping) approved. Bidding competition being organized</li> </ul>	<ul style="list-style-type: none"> <li>• 15/6/2010</li> <li>• 15/12/2010</li> <li>• 10/11/2010</li> </ul>
4 Foodcrops Research Institute	<ul style="list-style-type: none"> <li>• Package 1 (Lots 1-4)</li> <li>• Package 2</li> </ul>	<ul style="list-style-type: none"> <li>• 375.381</li> <li>• 70.438</li> </ul>	<ul style="list-style-type: none"> <li>• ADB approved bidding award, &amp; expect to deliver on 5 May 2010</li> <li>• Awarded, &amp; expect to deliver on 15 May 2010</li> </ul>	<ul style="list-style-type: none"> <li>• 20/6/2010</li> <li>• 30/6/2010</li> </ul>
5 Plant Protection Institute	<ul style="list-style-type: none"> <li>• Package 1</li> <li>• Package 2 (Lots 1 &amp; 2)</li> </ul>	<ul style="list-style-type: none"> <li>• 186.875</li> <li>• 232.748</li> </ul>	<ul style="list-style-type: none"> <li>• Awarded, expect to deliver on 17 April 2010.</li> <li>• ADB approved bidding result, (awaiting for solution because expense exceeds the</li> </ul>	<ul style="list-style-type: none"> <li>• 5/6/2010</li> <li>• 20/10/2010</li> </ul>

INSTITUTE	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ABD FOR PAYMENT
			Investment)	
6 Mekong Delta Rice Research Institute (Can Tho)	• Package 1-4	•	• Expect to submit bidding result to ADB in late April 2010	• 10/9/2010
7 Southern Agricultural Science & Technology Institute (HCMC)	• Package1	• 38.582	• Prepare to award the contract, & expect to deliver in late July 2010 (Awaiting for VAT Adjustment in 2010)	• 15/9/2010
	• Package2	• 97.794	• Prepare to award the contract, & expect to deliver in late July 2010 (Awaiting for VAT Adjustment in 2010)	• 15/9/2010
	• Package 3		• Its bidding dossier is expected to be submitted to ADB in the middle of May 2010	• 15/11/2010
8 Institute Of Policy And Strategy For Agriculture And Rural Development , Ha Noi	• Package 1A		• Expect to submit bidding dossier to ADB in early June 2010.	• 15/11/2010
	• Package 1B	• 65.349	• Awarded, & expect to deliver in late May 2010	• 15/7/2010
	• Package 2		• Expect to submit bidding dossier to	• 15/11/2010

INSTITUTE	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ABD FOR PAYMENT
	<ul style="list-style-type: none"> <li>Package 3</li> <li>Package 4</li> </ul>	<ul style="list-style-type: none"> <li>187.198</li> </ul>	<ul style="list-style-type: none"> <li>ADB in early June 2010</li> <li>Awarded, expected to deliver on 19 May 2010</li> <li>Bidding dossier approved. Submit bidding result to ADB on 15 May 2010</li> </ul>	<ul style="list-style-type: none"> <li>15/7/2010</li> <li>01/7/2010</li> </ul>
9 Southern Fruit Research Institute (HCMC)	<ul style="list-style-type: none"> <li>Package 1</li> <li>Package 2</li> </ul>	<ul style="list-style-type: none"> <li>169.211</li> <li>140.969</li> </ul>	<ul style="list-style-type: none"> <li>Being awarded, expect to deliver in late June 2010</li> <li>Awarded, &amp; expect to deliver on 29 May 2010</li> </ul>	<ul style="list-style-type: none"> <li>15/7/2010</li> <li>15/7/2010</li> </ul>
10 Central Highland Agro-Forestry Science And Technology Institute (Dak Lak)	<ul style="list-style-type: none"> <li>Package 1</li> <li>Package 2</li> </ul>	<ul style="list-style-type: none"> <li>93.625</li> </ul>	<ul style="list-style-type: none"> <li>Awarded, &amp; expect to be deliver in the middle of July 2010.</li> <li>Submit bidding dossier to ADB in early May 2010</li> </ul>	<ul style="list-style-type: none"> <li>30/8/2010</li> <li>15/10/2010</li> </ul>
11 Agricultural Environmental Research Institute	<ul style="list-style-type: none"> <li>Package 11</li> </ul>	<ul style="list-style-type: none"> <li>372.706</li> </ul>	<ul style="list-style-type: none"> <li>Awarded, &amp; expect to deliver in the middle of May 2010</li> </ul>	<ul style="list-style-type: none"> <li>30/7/2010</li> </ul>
12 Northern Central Region Agricultural Science Institute	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Bidding plan not approved yet</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>

## SUMMARY OF PROCUREMENT STATUS AT SCHOOLS

NAME OF SCHOOL	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ABD FOR PAYMENT
<b>I. CONSTRUCTION</b>				
1 Central Region College Of Technology, Economics And Water Resources, Quang Nam	• Package 3	• 119.408	• Awarded, & expect to complete on 15 May 2010	• 15/7/2010
2 Northern College Of Agriculture & Rural Development, Ha Tay	• Package XL3	• 221.439	• Awarded, & expect to complete on 22 June 2010	• 22/8/2010
3 College Of Food Industry, Da Nang	• Package 3	• 153.043	• Awarded, & expect to complete on 27 April 2010	• 27/7/2010
4 Secondary Technical School For Food & Foodstuff Management, Hai Phong	• Package XL	• 91.839	• Awarded & completed	• 7/7/2010
5 Ha Noi Technology & Economics Vocational School, Ha Noi	• Package XL3	• 184.434	• Awarded & expect to complete on 26 March 2010	• 26/6/2010
6 Northern Water Resources College, Ha Nam	• Package 3	• 117.204	• Awarded & expect to complete on 25 March 2010	• 25/6/2010
7 Bao Loc Technology & Economics College, Lam	• Package 3	• 416.244	• Awarded & expect to complete on 30 June	• 30/9/2010



NAME OF SCHOOL	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ADB FOR PAYMENT
Dong			2010	
8 Southern Agricultural College, Tien Giang	• Package XL	• 14.869	• Completed (Direct form)	• 21/10/2010
9 Southern College For Engineering & Agriculture, Can Tho	• Package 3	• 81.063	• Awarded & expect to complete on 8 May 2010	• 8/7/2010
10 Food & Foodstuff Technical School, HCM City	• Package 3	•	• Bidding dossier being developed	•
<b>II. PROCUREMENT</b>				
1 Northern Water Resources College, Ha Nam	<ul style="list-style-type: none"> <li>• Package 4</li> <li>• Package 6</li> <li>• Package 05</li> <li>• Package 07</li> </ul>	<ul style="list-style-type: none"> <li>• 174.978</li> <li>• 120.985</li> <li>• 8.474</li> </ul>	<ul style="list-style-type: none"> <li>• ADB approved bidding award, &amp; expect to deliver on 25 March 2010</li> <li>• Awarded &amp; expect to deliver on 19 January 2010</li> <li>• Bidding dossier being developed</li> <li>• Completed (direct form)</li> </ul>	<ul style="list-style-type: none"> <li>• 25/6/2010</li> <li>• 19/6/2010</li> <li>• 15/12/2010</li> <li>• 15/6/2010</li> </ul>
2 Southern College For Engineering & Agriculture, Can Tho	• Package 4	• 64.820	• Awarded & expect to deliver on 20 January	• 15/7/2010

NAME OF SCHOOL	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ABD FOR PAYMENT
	<ul style="list-style-type: none"> <li>Package 5</li> <li>Package 6</li> <li>Package 7</li> <li>Package 8</li> </ul>	<ul style="list-style-type: none"> <li>169.969</li> <li>172.734</li> <li>127.781</li> <li>167.500</li> </ul>	<ul style="list-style-type: none"> <li>2010</li> <li>Awarded &amp; expect to deliver on 27 February 2010</li> <li>Awarded &amp; expect to deliver on 24 June 2010</li> <li>Awarded &amp; expect to deliver on 15 April 2010</li> <li>Awarded &amp; expect to deliver on 24 March 2010</li> </ul>	<ul style="list-style-type: none"> <li>15/7/2010</li> <li>15/7/2010</li> <li>15/7/2010</li> <li>15/7/2010</li> </ul>
3 Central Region College Of Technology, Economics And Water Resources, Quang Nam	<ul style="list-style-type: none"> <li>Package 04</li> <li>Package 5</li> <li>Package 06</li> <li>Package 07</li> <li>Package 08</li> <li>Package</li> </ul>	<ul style="list-style-type: none"> <li>166.861</li> <li>35.772</li> </ul>	<ul style="list-style-type: none"> <li>Shopping &amp; selecting bidder</li> <li>ADB approved awarding result, &amp; expect to delivery on 29 June 2010</li> <li>Shopping, &amp; expect to deliver on 25 April 2010.</li> <li>Bidding dossiers being prepared</li> </ul>	<ul style="list-style-type: none"> <li>15/12/2010</li> <li>29/8/2010</li> <li>25/8/2010</li> <li>15/12/2010</li> </ul>

NAME OF SCHOOL	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ADB FOR PAYMENT
	09 • Package 10		for the rest packages	
4 Northern College Of Agriculture & Rural Development, Ha Tay	• Package 4  • Package 5  • Package 06	• 361.926	• Bidding dossier approved. Expect to submit BER to ADB on April 2010 • Awarded & expect to deliver on 27 February 2010 • Bidding dossier approved, & expect to submit bidding result to ADB on June 2010	• 30/10/2010  • 30/7/2010  • 15/12/2010
5 College Of Food Industry, Da Nang	• Package 4  • Package 05	• 234.854	• Awarded, & expect to deliver on 2 June 2010 • ADB approved bidding dossier on 15 April 2010. Bidding competitio	• 2/9/2010  • 15/12/2010

NAME OF SCHOOL	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ABD FOR PAYMENT
	<ul style="list-style-type: none"> <li>Package 06</li> </ul>		<ul style="list-style-type: none"> <li>n being organized</li> <li>Bidding dossier being prepared</li> </ul>	<ul style="list-style-type: none"> <li>15/12/2010</li> </ul>
6 Secondary Technical School For Food & Foodstuff Management	<ul style="list-style-type: none"> <li>Package 4</li> <li>Package 5</li> </ul>	<ul style="list-style-type: none"> <li>297.296</li> <li>232.849</li> </ul>	<ul style="list-style-type: none"> <li>Awarded &amp; expect to deliver on 9 May 2010</li> <li>Prepare to award the contract</li> </ul>	<ul style="list-style-type: none"> <li>15/6/2010</li> <li>16/9/2010</li> </ul>
7 Ha Noi Technology & Economics Vocational School, Ha Noi	<ul style="list-style-type: none"> <li>Package 4</li> <li>Package 5</li> </ul>	<ul style="list-style-type: none"> <li>353.684</li> <li>134.495</li> </ul>	<ul style="list-style-type: none"> <li>Awarded, &amp; expect to deliver on 09 July 2010</li> <li>Awarded, &amp; expect to deliver on 09 July 2010</li> </ul>	<ul style="list-style-type: none"> <li>9/10/2010</li> <li>9/10/2010</li> </ul>
8 Bao Loc Technology & Economics College, Lam Dong	<ul style="list-style-type: none"> <li>Package 4</li> <li>Package 05</li> <li>Package 06</li> <li>Package 07</li> <li>Package 08</li> </ul>	<ul style="list-style-type: none"> <li>100.014</li> </ul>	<ul style="list-style-type: none"> <li>Awarded, &amp; expect to deliver on 15 May 2010</li> <li>Bidding dossiers being prepared for the rest packages</li> </ul>	<ul style="list-style-type: none"> <li>15/7/2010</li> <li>15/12/2010</li> </ul>

NAME OF SCHOOL	BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ADB FOR PAYMENT
9 Southern Agricultural College, Tien Giang	<ul style="list-style-type: none"> <li>• Package 4, Lot 1</li> <li>• Package 4, Lot 2</li> <li>• Package 4, Lot 3</li> <li>• Package 5 (Lot 1, Lot 2)</li> <li>• Package 06</li> <li>• Package 07</li> <li>• Package 07</li> <li>• Package 09</li> </ul>	• 245.724	<ul style="list-style-type: none"> <li>• Package 04 (Lot 1, lot 2, lot 3): Prepare to award the contracts</li> <li>• Package 5 (lot 1, lot 2): Awarded &amp; expect to deliver on 5 July 2010</li> <li>• Bidding dossiers being prepared for the rest packages</li> </ul>	<ul style="list-style-type: none"> <li>• 15/12/2010</li> <li>• 5/9/2010</li> <li>• 15/12/2010</li> </ul>
10 Food & Foodstuff Technical School, HCM City	<ul style="list-style-type: none"> <li>• Package 04</li> <li>• Package 05</li> <li>• Package 06</li> <li>• Package 07</li> </ul>	• 27.395	<ul style="list-style-type: none"> <li>• Shopping: Awarded &amp; expect to deliver on 10 March 2010</li> <li>• Bidding dossier approved. Expect to submit BER to ADB on May 2010</li> <li>• Bidding dossiers being</li> </ul>	<ul style="list-style-type: none"> <li>• 30/6/2010</li> <li>• 15/10/2010</li> <li>• 15/12/2010</li> </ul>

NAME SCHOOL	OF BIDDING PACKAGE NO.	PACKAGE VALUE	STATUS	EXPECTED TIME TO SEND TO ABD FOR PAYMENT
			prepared for the rest packages	

## REVISED PROCUREMENT PLAN

### Project Information

Country	Viet Nam
Name of Borrower	Socialist Republic of Viet Nam
Project Name	Agriculture Science and Technology Project
Loan or TA Reference	2283-VIE
Date of Effectiveness	13 June 2007
Amount \$ (total from all financiers):	\$40 million
Of which Committed, \$	\$30 million
Executing Agency	Ministry of Agriculture and Rural Development
Approval Date of Original Procurement Plan	13 June 2007
Approval of Most Recent Procurement Plan	Not applicable
Period Covered by this Plan	2006 – 2013

### Procurement Thresholds, Goods & Related Services, Works and Supply & Install

Procurement Methods	To be used above/below (\$)
ICB works	At least \$1,000,000
ICB goods	At least \$500,000
NCB works	Less than \$1,000,000 but more than \$100,000
NCB goods	Less than \$500,000 but more than \$100,000
Shopping Works	Less than \$100,000
Shopping Goods	Less than \$100,000

### Procurement Thresholds, Consultants Services

Procurement Methods	To be used above/below (\$)
Quality- and Cost-Based Selection (QCBS)	At least \$200,000
Consultants Qualifications Selection (CQS)	Less than \$200,000
Least Cost Selection (LCS)	Less than \$100,000

### List of Major Contract Packages, Goods, Works and Consulting Services

Ref	Contract Description	Estimated Costs (\$)	Procurement Methods	Date of First Advertisement	Prior Review Y/N	Comments
<b>Client-Oriented Agricultural Research and Capacity Strengthening</b>						
1	Equipment and Materials	6,955,000 (100 packages)	NCB/SP	4th Quarter 07	Y	Financed by ADB
2	Research Contracts	4,983,000 (125 contracts)	NCB	3 <sup>rd</sup> Quarter 08	Y	Financed by ADB
3	Training – University <sup>a</sup>	3,555,000 (90 packages)	DC	4th Quarter 07	Y	Financed by ADB

4	Training – Non-university	440,000 (20 packages)	DC	1st Quarter 09	Y	Financed by ADB
<b>Grassroots Agricultural Extension Improvement</b>						
5	Equipment and Materials	349,000 (15 packages)	NCB/SP	3rd Quarter 07	Y	Financed by ADB
6	Extension Service Contracts	4,175,000 (1,338 packages) <sup>b</sup>	NCB	4th Quarter 08	N	Financed by ADB
<b>Rural-Based Technical and Vocational Training</b>						
7	Civil Works <sup>c</sup>	1,333,000 (10 packages)	NCB	3rd Quarter 09	Y	Financed by ADB
8	Equipment and Materials	6,289,000 (31 packages)	NCB/SP	4th Quarter 07	Y	Financed by ADB
<b>Project Management Support</b>						
9	Equipment, Materials and Vehicle	178,000 (6 packages)	NCB/SP	3rd Quarter 07	Y	Financed by ADB
10	Consulting Services	968,596	QCBS	2nd Quarter 07	Y	Financed by ADB
11	Auditing Services	100,000 (1 package)	QCBS	2nd Quarter 09	Y	Financed by ADB

DC = direct contracting; NCB = national competitive bidding; QCBS = quality- and cost-based selection; SP = shopping.

<sup>a</sup> Training activities include overseas postgraduate study and post-doctoral programs.

<sup>b</sup> Maximum contract amount is \$10,000.

<sup>c</sup> One contract per school.

<sup>d</sup> One contract to audit project accounts for 5 years.

Source: Revised as discussed during the May 2010 Midterm Review Mission.



Appendix 8 : Status of Consulting Services (from Sep 2008 to 30 April 2010)

No	Name	Position	Contracted (person-months)	Utilized (days)	Utilized (person months)	%	Balance (person-months)	Remarks
<b>Consultants that signed with Hassall and Associates, VICA International and SDS</b>								
1	Michael John Blyth	Team Leader- International Agricultural Research Management Specialist	16	279	9.30	58	6.70	
2	Nick Shirra	International Extension Specialist	5	53	1.77	35	3.23	Commenced 01-Dec-2009
3	Dr. Michael Thair	International Vocational Specialist	1	4	0.13	13	0.87	Position ceased
4	Evelyn Buenaventura	International Development Specialist	2	58	1.93	97	0.07	Completed
5	Geza C. Teleki	International Environmental Assessment Specialist	2	0	0.00	0	2.00	
6	Myma J. Hernandez(Ms.)	International Financial Management Specialist	1	28	0.93	93	0.07	Completed
7	Wang Dehai	International Monitoring and Evaluation Specialist	2	26	0.87	43	1.13	Commenced 21-March 2010
8	Nguyen Thi Lan (Ms)	Deputy National Research Team leader- Agricultural Management Specialist	34	397	18.05	53	15.95	
9	Dr Nguyen The Con	National Extension Specialist	22	355	16.14	73	5.86	

10	Dr Thanh Huong	Vuong Huong	National Vocational Specialist	Agricultural Training	11	175	7.95	72	3.05	
11	Nguyen Thi Huong Tra (Ms)		National Development Specialist	Social	6	46	2.09	35	3.91	Commenced 01-Dec-2009
12	Dr Nguyen Thi Loan		National Management Specialist	Environmental	9	52	2.36	26	6.64	Commenced 01-Dec-2009
13	Dinh Cong Luan		National Management Specialist	Financial	8	71.5	3.25	41	4.75	
14	Dr Nguyen Tu Siem		National Monitoring and Evaluation Specialist	Monitoring and Evaluation	4	88	4.00	100	0.00	Completed 19/4/2010
15	Dao Van Khang		National Communication Specialist	Extension	2	3	0.14	7	1.86	Commenced 12-April-2010
	<b>Total</b>				<b>125</b>	<b>1635.5</b>	<b>68.91</b>	<b>55</b>	<b>56.09</b>	
<b>Consultants that signed with CPMU and PPMU</b>										
1	Nguyen Chien	Van	Coordination Specialist		24	363	16.5	68.8	7.5	
2	Nguyen Van Hien		Training Specialist		18	418	19	100	5.1	
3	Tran Van Cuong		Agricultural Specialist	Extension	24	407	18.5	77	5.5	
4	Nguyen Van Nhu		Agricultural Specialist	Extension	24	385	17.5	73	6.5	
5	Nguyen Dong	Quang	Agricultural Specialist	Extension	24	407	18.5	77	5.5	
6	Nguyen Nghi	Phuong	Agricultural Specialist	Extension	24	363	16.5	68.8	7.5	
7	Nguyen Tien	Dung	Agricultural Specialist	Extension	24	132	6	25	18	
	<b>Total</b>				<b>162</b>	<b>2475</b>	<b>112.5</b>	<b>69.4</b>	<b>49.5</b>	Has left from 12/2009

**Notes:**

Person days per month for International Consultant is 30

Person days per month for National Consultant is 22

### Status of Consulting Services

No.	Name	Position	Contracted (person- months)	No. of utilized days	Utilized to Date (person- months)	Balance (person- months)	Remarks
<b>Implementation Consultants: Hassall and Associates in association with VICA and SDS</b>							
1	Dr. Michael BLYTH	Team Leader and International Agricultural Research Management Specialist	16	85	6.6	9.4	
2	David MOLES	International Agricultural Extension Management Specialist	5	28	0.9	4.1	
3	Dr. Michael THAIR	International Agricultural Vocational Training Specialist	1	4	0.1	0.9	
4	Evelyn BUENAVENTURA (Ms.)	International Social Development Specialist	2	58	1.9	0.1	Input completed
5	Geza C. TELEKI	International Environmental Assessment Specialist	2	0	0.0	2.0	
6	Myrna J. HERNANDEZ (Ms.)	International Financial Management Specialist	1	28	0.9	0.1	Input completed
7	Replacement	International M&E Specialist	2	0	0.0	2.0	Replacement being considered by MARD
8	NGUYEN Thi Lan (Ms)	Deputy Team Leader and National Agricultural Research Management Specialist	34	106	11.8	22.2	
9	Dr. NGUYEN The Con	National Agricultural Extension Management Specialist	22	101	11.5	10.5	
10	Dr. VUONG Thanh Huong	national Agricultural Vocational Training Specialist	11	45	5.4	7.6	CPMU increased input by 2 months
11	Replacement	National Social Development Specialist	6	0	0.0	6.0	Replacement being considered by MARD
12	Replacement	National Environmental Assessment Specialist	11	0	0.0	7.0	Replacement being considered by MARD; CPMU reduced input by 4 months
13	DINH Cong Luan (Mr.)	National Financial Management Specialist	6	38.5	3.3	2.7	
14	Dr. NGUYEN Tu Siem	Monitoring and Evaluation Specialist	4	63	3.7	2.3	CPMU added another 2 months for M&E system development
<b>CPMU</b>							
1	Nguyen Van Chien (Mr)	Contract Awards Specialist	24	150	10.0	14.0	
2	Nguyen Van Hien (Mr)	Training Specialist	12	330	16.0	4.0	
<b>PPMU</b>							
<b>Dac Nong</b>							
1	Nguyen Dung Tien	Provincial Agricultural Extension Specialist	24		4.0	20	
<b>Nghé An</b>							
1	Nguyen dinh Nhu	Provincial Agricultural Extension Specialist	24		11.0	13	
<b>Ninh Thuan</b>							
1	Nguyen Phuong Nghi	Provincial Agricultural Extension Specialist	24		10.0	14	
<b>Quang Nam</b>							
1	Ngo Van Dong	Provincial Agricultural Extension Specialist	24		12.0	12	
<b>Thanh Hoa</b>							
1	Tran Van Cuong	Provincial Agricultural Extension Specialist	24		12.0	12	
<b>Total</b>			<b>279</b>		<b>121.23</b>	<b>157.77</b>	

**APPENDIX 9: SUMMARY OF PROJECT REPORTS AND PUBLICATIONS BY AST PROJECT CONSULTANTS  
FROM SEPTEMBER 2008 TO 15 APRIL 2010**

No	Document Title	Component	Date submitted to GPMU/ADB	Quantity of reports	Total Pages	Language E: English V: Vietnamese	Current Status
	<b>Reports</b>						
1	Stock-take report for ADB October 2008 Loan Review Mission	All	25/11/2008	1		E	Final
2	Inception Report	All	3/3/2009	1	108	E, V	Final
3	Monthly reports from September 2008 to March 2010	All	5 <sup>th</sup> -15 <sup>th</sup> day of following month	19	10-15	E, V	Final
4	4 <sup>th</sup> Quarter report (9-12/2008)	All	15/1/2009	1	21	E, V	Final
5	1 <sup>st</sup> Quarter report (1-3/2009)	All	12/4/2009	1	19	E, V	Final
6	3 <sup>rd</sup> Quarter report (7-9/2009)	All	15/10/2009	1	21	E, V	Final
7	Semi-annual report (1-6/2009)	All	25/9/2009	1	24	E, V	Final
8	2009 annual report (1-12/2009)	All	20/3/2010	1	35	E, V	Draft
9	International Development Specialist's Report	Social Development	23/12/2008	1	56	E, V	Final
10	International Management Specialist's Report	Financial Management	10/12/2008	1	27	E, V	Final
11	International Extension Management Specialist's Report	2	25/2/2009	1	44	E, V	Final
12	International Vocational Training Specialist's Report	3	25/12/2008	1	7	E, V	No feedback
13	Progress Report on monitoring and supporting training courses	1	6/7/2009	1	12	E, V	Final
14	Agricultural Research Management Specialist's field	1	27/7/2009	1	8	V	Final

No	Document Title	Component	Date submitted to CPMU/ADB	Quantity of reports	Total Pages	Language E: English V: Vietnamese	Current Status
	trip report in southern region						
15	Monitoring Report on training of Subcomponent 3.1	3	8/2009	1	20	V	Final
16	Agricultural Research Management Specialist's field trip reports and minutes on Research project monitoring	1	15/12/2009	6	5	V	Final
17	Field trip Report by National Environmental Assessment Specialist, Ninh Thuan	2	24/12/2009	1	6	V	Final
18	Field trip report by National Social Development Specialist to Ninh Thuan	2	24/12/2009	1	6	V	Final
19	Field trip report by International Agricultural Extension Management Specialist – Quang Nam and Ninh Thuan	2	24/12/2009	1	14	E, V	Final
	<b>Other Documents</b>						
1	M&E Formats for Institutes, Schools & Provinces	All	26/2/2009	1	12	E, V	Final
2	M&E Tables	All	27/2/2009	1	70	V	Final
3	PAEM Material	2	15/3/2009	1	45	V	Final
4	Format and procedures for quarterly reporting. Draft report to CPMU	All	10/04/2009	1	26	E	Final
5	Indigenous Knowledge and Manual for Surveying Indigenous Knowledge	2	20/04/2009	1	20	V	Final
6	M&E Logframe for AST Project	All	24/4/2009	1	18	E, V	Draft
7	Management and Evaluation Regulations for Research Projects	1	20/5/2009	1	26	E, V	Final
8	FFS Methodology for Some	2	5/2009	1	45	V	Final (training)

No	Document Title	Component	Date submitted to CPMU/ADB	Quantity of reports	Total Pages	Language E: English V: Vietnamese	Current Status
	Plants						material)
9	PRA Manual	1	10/6/2009	1	23	V	Final (training material)
10	Project Management and focal issues for research project leaders and institute managers	1	13/6/2009	1	13	E, V	Final (training material)
11	M&E Framework and indicators for projects funded under client-oriented agriculture research program of AST Project. Guidelines, procedures and reporting formats	1	16/6/2009	1	33	E, V	Final – used as basis for training of research project leaders by CPMU and Consultants in June and October 2009
12	M&E framework for research projects	1	6/7/2009	1	14	E, V	No feedback from ADB yet
13	M&E framework for agricultural extension projects	1	6/7/2009	1	15	E, V	No feedback from ADB yet
14	Monitoring and Evaluation of Training. Guidelines and procedures for monitoring and evaluation of AST Project training programs and courses	All	12/7/2009	1	33	E, V	Final
15	M&E Manual for Agricultural Extension Activities	2	7/2009	1	26	V	Final (training material)
16	Planting Techniques (maize, rice, soya...)	2	7/2009	1	26	V	Final (training material)
17	M&E Logframe for AST Project	All	11/9/2009	1	15	E, V	Final; no objection from ADB
18	Reporting Format for Institutes,	All	10/9/2009	3	9	E, V	Final

No	Document Title	Component	Date submitted to CPMU/ADB	Quantity of reports	Total Pages	Language E: English V: Vietnamese	Current Status
19	Schools & Provinces Report on meeting with Director and staff of Plant Protection Research Institute re organic and safe vegetable production	1	5/11/2009	1	5	E	Final (to CPMU Project Director and ADB Project Officer as requested)
20	Research Priorities Framework	1	6/11/2009 & 30/11/2009	2	15 20	E, V	Final (training material) Final (training material)
21	Preparations for AST Project Mid-Term Review: Action Plan	All	4/12/2009 23/12/2009	1	7	E V	Draft CPMU submitted to ADB draft



# APPENDIX 10: SUMMARY OF PROJECT EXPENDITURES

(\$ million)

**Table A4.1: Project Expenditures to Date**  
**As of 30 April 2010**

Categories	Total Project Budget			2007			2008		
	ADB	Government	Total	ADB	Government	Total	ADB	Government	Total
<b>A Investment Costs</b>									
Civil work	1,201	401	1,602						
Equipment	7,609	2,481	10,090				230	77	306
Vehicles	36	36	72				21	21	42
Materials	2,122	707	2,829						
Training	6,352	1,771	8,123				908	256	1,164
Research and Extension									
Contracts	7,894	2,188	10,082				1,274	359	1,633
Consulting services	982		982				9		9
<b>B Recurrent Costs</b>									
Incremental Staff Salaries	0	1,157	1,157			1		117	117
Other Operating Costs	663	221	884		5	2	132	44	176
<b>Total</b>	<b>26,859</b>	<b>8,962</b>	<b>35,821</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>2,574</b>	<b>874</b>	<b>3,447</b>

Categories	2009*			Total to Date			Balance Remaining**		
	ADB	Government	Total	ADB	Government	Total	ADB	Government	Total
<b>A Investment Costs</b>									
Civil work				0	0	0	1,201	401	1,602
Equipment	336	112	448	566	189	754	7,043	2,292	9,336
Vehicles				21	21	42	15	15	30
Materials							2,122	707	2,829
Training	470	132	602	1,378	388	1,766	4,974	1,383	6,357
Research and Extension									
Contracts	1,029	290	1,319	2,303	649	2,952	5,591	1,539	7,130
Consulting services	301		301	310	0	310	672	0	672
<b>B Recurrent Costs</b>									
Incremental Staff Salaries		44	44	0	162	162	0	995	995
Other Operating Costs	101	34	134	238	80	313	426	142	571

Total	2,236	612	2,848	4,810	1,486	6,295	22,044	7,473	29,522
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Notes:

<sup>1</sup> As of 3 September 2009.

<sup>2</sup> Based on exchange rate of D16,050/US\$ at Project approval.

**Appendix 11**  
**Loan 2283-VIE: Agriculture Science and Technology Project**  
**Status of Loan Utilization (US\$)**  
**as of 30 April 2010**

Cat. No.	Category	Allocation		Contracts	Disbursements	Uncommitted Loan Balance	Undisbursed Loan Balance
		SDR	USD Equiv				
01	Civil Works	809,000	1,228,610	921,357	411,267	307,253	817,343
02	Equipment	5,123,000	7,739,511	2,893,538	1,499,616	4,845,973	6,239,895
03	Vehicles	24,000	36,564	20,081	20,081	16,372	16,483
04	Materials	1,429,000	2,145,586	-	-	2,145,586	2,145,586
05	Training	4,276,000	6,413,720	1,280,595	1,280,595	5,133,125	5,133,125
06	Research/Extension Contracts	5,315,000	7,969,558	2,007,287	2,007,287	5,962,271	5,962,271
07	Consulting Services	661,000	1,002,150	1,090,971	437,691	(88,821)	564,459
08	Incremental Operating Costs	446,000	672,645	256,912	256,912	415,733	415,733
09	Interest Charge	415,000	625,791	-	51,853	625,791	573,938
10	Unallocated	1,700,000	2,552,482	-	-	2,552,482	2,552,482
99	Imprest Account	0	115,369	-	3,000,000	115,369	-2,884,631
	<b>Total</b>	<b>20,198,000</b>	<b>30,501,875</b>	<b>8,470,471</b>	<b>8,965,302</b>	<b>22,031,134</b>	<b>21,536,684</b>

**APPENDIX 12: COMPLIANCE WITH LOAN COVENANTS**  
(As of 30 April 2010)

Reference in LA	Covenant	Responsibility	Status of Compliance
Sec 4.02 (a)	The Borrower shall (i) maintain, or cause to be maintained, separate accounts for the Project; (ii) have such accounts and related financial statements audited annually, in accordance with appropriate auditing standards consistently applied, by independent auditors whose qualifications, experience and terms of reference are acceptable to the Asian Development Bank (ADB); (iii) furnish to ADB, as soon as available but in any event not later than 6 months after the end of each related fiscal year, certified copies of such audited accounts and financial statements and the report of the auditors relating thereto (including the auditors' opinion on the use of the Loan proceeds and compliance with the financial covenants of this Loan Agreement as well as on the use of the procedures for imprest account/statement of expenditures), all in the English language; and (iv) furnish to ADB such other information concerning such accounts and financial statements and the audit thereof as ADB shall from time to time reasonably request.	Central Project Management Unit (CPMU), Provincial Project Management Units (PPMU), and Institute Project Management Units (IPMU)	Being complied with.  The Mission reminded CPMU on the timely submission of the 2009 Audit Report (30 June 2010).
Sec 4.02 (b)	The Borrower shall enable ADB, upon ADB's request, to discuss the Borrower's financial statements for the Project and its financial affairs related to the Project from time to time with the auditors appointed by the Borrower pursuant to Section 4.02(a), and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB, provided that any such discussion shall be conducted only in the presence of an authorized officer of the Borrower unless the Borrower shall otherwise agree.	CPMU, PPMUs, and IPMUs	Being complied with.
Sec 4.03	The Borrower shall enable ADB's representatives to inspect the Project, the goods financed out of the proceeds of the Loan, and any relevant records and documents.	CPMU, PPMUs, and IPMUs	Being complied with.

Reference in LA	Covenant	Responsibility	Status of Compliance
Sched. 4, para. 7 (a)	The Borrower shall ensure that all Goods and Works procured (including without limitation all computer hardware, software and systems, whether separately procured or incorporated within other goods and services procured) do not violate or infringe any industrial property or intellectual property right or claim of any third party.	CPMU, PPMUs, and IPMUs	Being complied with.
Sched. 4, para. 7 (b)	The Borrower shall ensure that all contracts for the procurement of Goods and Works contain appropriate representations, warranties and, if appropriate, indemnities from the contractor or supplier with respect to the matters referred to in subparagraph 7 (a) of Schedule 4.	CPMU, PPMUs, and IPMUs	Being complied with.
Sched. 4, para. 8	The Borrower shall ensure that all ADB-financed contracts with consultants contain appropriate representations, warranties and, if appropriate, indemnities from the consultants to ensure that the consulting services provided do not violate or infringe any industrial property or intellectual property right or claim of any third party.	CPMU	Being complied with.
Sched. 5, para. 3	The Central Project Management Unit (CPMU), headed by a Project Director, shall be established in the Agricultural Project Management Board under MARD, and comprise a Deputy Director, a planning officer, a finance and accounting officer, a monitoring and evaluation officer, and other necessary supporting staff on a full-time basis. The CPMU shall be responsible for day-to-day Project implementation; interdepartmental coordination among MARD's concerned departments; central-level procurement, consultant recruitment, and fund disbursement; and provision of support to the Provincial Project Management Units (PPMUs).	MARD	Being complied with. The CPMU within MARD's Agricultural Projects Management Board was established on 9 March 2006. CPMU is closely monitoring project's implementation and progress. MARD issued Decision 455/QD-BNN dated 1 Feb 2008 on decentralization and assignments of AST's implementation.
Sched. 5, para. 4	The PPMU, headed by a PPMU manager, shall be established under the provincial department of agriculture and rural development in each of the Project provinces, and comprise a planning officer; a monitoring and evaluation officer, an	MARD, Provincial People's Committees (PPC)	Complied.  Five PPMUs have been established in April-May 2007. PPMU comprises a

Reference in LA	Covenant	Responsibility	Status of Compliance
	<p>accountant, and other necessary supporting staff. The PPMU shall be responsible for (i) overall management and supervision of Project activities related to agricultural extension in the concerned province, including contractual arrangements for service delivery, finance and project accounting, procurement, monitoring and evaluation, and reporting, and (ii) provincial-level coordination among the relevant provincial departments. Each of the PPMUs shall have a meeting with the CPMU at least once every other month. Project implementation units may be established under participating research institutes, and technical and vocational training schools, if required and deemed appropriate, to facilitate the Borrower's decentralization policy for project implementation and management.</p>		<p>director, an accountant, and a coordinator.</p> <p>IPMUs have been established comprising 10 research institutes and 10 agricultural colleges and vocational schools.</p>
Sched. 5, para. 2	<p>The Project Steering Committee (PSC), headed by a Vice Minister of MARD, shall be established and comprise representatives of concerned departments of MARD, the Ministry of Planning and Investment, the Ministry of Finance, the State Bank of Vietnam, the Ministry of Science and Technology, the Ministry of Education and Training, and the Project provinces. The PSC shall be responsible for interministerial coordination and provision of overall policy guidance to the Project and shall endorse the Project annual work plans and budget. Representatives of farmers' associations and other Project's stakeholders shall participate in the PSC meetings as required.</p>	MARD, MPI, MOF, SBV, MOST, and PPMUs	<p>Being complied with.</p> <p>The PSC was established on 4 June 2007.</p> <p>The PSC will meet on a semi-annual basis, organized independently from ADB's meetings, as advised by October 2009 Mission.</p>
Sched. 5, para. 5	<p>The Borrower shall ensure that adequate counterpart staff and funds will be provided for operation and maintenance of the Project facilities upgraded in the selected agriculture research institutes, and further ensure that such institutes will provide adequate staff and funds for operation and maintenance after their transformation into self-financed organizations in accordance with the Borrower's Decree No. 115,</p>	SBV	<p>Being complied with.</p> <p>The counterpart funds are generally sufficient except for 2 poor provinces.</p> <p>MARD has sent official letters to the Provincial People's</p>

Reference in LA	Covenant	Responsibility	Status of Compliance
	issued in 2005.		Committee of Quang Nam and Ninh Thuan to suggest solutions for timely release of counterpart funds. The Mission requested that CPMU follow up closely with PPCs to resolve the counterpart funds issue in these two provinces. The Mission was assured by MARD that counterpart funds for 2010 for CPMU and IPMUs will be sufficient.
Sched. 5, para. 6	MARD shall establish a committee, represented by the Science and Technology Council of MARD, other relevant government agencies, universities, private sector organizations and agro-industries, to examine and select research proposals to be funded under the Project on a competitive basis.	MARD	Complied.  An eleven-member committee was established on 2 May 2008.
Sched. 5, para. 7	The Borrower shall ensure that the following criteria will be applied for selecting such research proposals: (i) appropriateness to the client needs in the region through the results of participatory rural assessments; (ii) relevance to the national sector goals, strategies, and priorities; (iii) technical and financial viability and sustainability; (iv) linkage with agricultural extension and effective mechanisms for participatory technology development and information dissemination; (v) compliance with social and environmental requirements; (vi) involving at least one provincial agricultural extension center or extension advisory council; and (vii) not more than \$100,000 for each research proposal.	MARD	Being complied with.  The operational regulations and procedures for selecting research topic proposals, including the required selection criteria, was approved by the Vice Minister on 20 June 2008 and by ADB on 7 July 2008.  Selection criteria are followed. Weaknesses on (ii), (iii) and (v) during implementation are being addressed.
Sched. 5,	The Borrower shall ensure that overseas	CPMU	Being complied with.

Reference in LA	Covenant	Responsibility	Status of Compliance
para. 8	study programs to be funded under the Project will be carried out in a manner acceptable to ADB. In particular, the Borrower shall ensure that appropriate arrangements are developed so that the trainees participating in the overseas study programs will provide relevant services after returning from the programs. Such arrangements shall be developed in consultation with ADB prior to the implementation of the study programs. The selection of the trainees shall be subject to ADB's approval.		Assurances remain weak with regards to students providing relevant services upon returning from the completion of their degrees. While MARD admits that, in practice, enforcement of any government rule ensuring service is difficult, it is the hope of ADB that the ongoing transformation of research institutes to become autonomous could provide a better incentive for researchers to remain with their research institutes.
Sched. 5, para. 9	The Borrower shall ensure that at least 10% of the trainees are women.	CPMU	Being complied with.
Sched. 5, para. 10	The Borrower shall ensure that demonstration trials and extension services under the Project will be implemented in poor communes where at least 30% of households are classified as poor households, as defined by the Borrower's appropriate laws and regulations.	CPMU, and PPMUs	Being complied with.  All communes participating AST are of at least 30% poor households
Sched. 5, para. 11	The Borrower shall ensure that the following criteria will be applied for the extension contracts financed under Component 2.2 as described in paragraph 2 of Schedule 1 to the Loan Agreement: (i) Extension contracts are in line with the provincial plan for agricultural extension in the respective province; (ii) they focus on the priority subjects included in the plan for improved knowledge and technology related to crop and livestock production and marketing; and (iii) each of the extension contracts shall cost up to the maximum of \$10,000.	CPMU, and PPMUs	Being complied with.



Reference in LA	Covenant	Responsibility	Status of Compliance
Sched. 5, para. 12	The Borrower shall ensure that Project activities will be implemented in line with the Project's gender action plan, as agreed between the Borrower and ADB. In particular, the agreed gender action plan shall be reflected in the provincial plans for agricultural extension to be developed under the Project.	CPMU, PPMUs, and IPMUs	Being complied with.  Gender issues in extension activities are being improved.
Sched. 5, para. 13	The extension contracts to be funded under the Project shall have provisions that at least 40% of beneficiaries of these services are women. The contracts to be awarded in the final year of project implementation shall have provisions that at least 50% of beneficiaries are women.	CPMU, PPMUs, and IPMUs	Being complied with.  Training program targeting women are to be organized.
Sched. 5, para. 14	The Borrower shall ensure that Project activities will be implemented in line with the Project's specific actions for indigenous peoples, as agreed between the Borrower and ADB, and that the agreed specific actions for indigenous peoples will be reflected in the provincial plans for agricultural extension to be developed under the Project.	CPMU, and PPMUs	Being complied with.  Provincial plans of 5 PPMUs have been approved.
Sched. 5, para. 16	The Borrower shall ensure that civil works to be financed under the Project will not require resettlement or land acquisition, as defined in ADB's Policy on Involuntary Resettlement. If, due to unforeseen circumstances, such resettlement or land acquisition is unavoidable, the Borrower shall (i) prepare a resettlement plan in accordance with ADB's Policy on Involuntary Resettlement; (ii) submit it to ADB for approval prior to awarding the concerned civil works contract; and (iii) ensure that any resettlement activities will be carried out in compliance with the resettlement plan.	CPMU	Being complied with.  Civil works will be done on the existing compounds of technical and vocational training schools and will not require land acquisition.
Sched. 5, para. 17	The Borrower shall ensure that (i) environmental impact assessments under Category II, as defined under the Borrower's laws and regulations, will be carried out during the design phase of all civil works, and (ii) the environmental monitoring plan for the Project will be effectively implemented.	CPMU	Being complied with.  Environmental impact assessment for civil works are being complied with. Environmental monitoring system is yet to be

Reference in LA	Covenant	Responsibility	Status of Compliance
			implemented. Awareness on environmental issues related to climate change is to be improved.

Loan No. 2283-VIE: Agriculture Science and Technology Project  
Status of Loans (Taken from LFIS) / Basis for Reallocation  
As of 30 April 2010

Category	Category Name	Allocation SDR	Allocation US\$	Contracts Awarded as of 30 Apr 2010 US\$	Balance for Procurement US\$	Disbursed as of 30 Apr 10 US\$	Projected Expenditures until End of Project US\$	Total Requirements until end of Project US\$	Proposed Reallocation
		a	b	c	d = b - c	e	f	g = c + f	
01	Civil Works	809,000	1,228,610	921,357	307,253	411,267	307,253	1,228,610	-
02	Equipment	5,123,000	7,739,511	2,893,538	4,845,973	1,499,616	5,595,973	8,489,511	750,000
03	Vehicles	24,000	36,453	20,081	16,372	20,081	16,372	36,453	-
04	Materials	1,429,000	2,145,586	-	2,145,586	-	2,625,686	2,645,586	500,000
05	Training	4,276,000	6,413,720	1,280,595	5,133,125	1,280,595	5,038,125	6,313,720	(100,000)
06	Research/Extension Contracts	5,315,000	7,969,558	2,007,287	5,962,271	2,007,287	6,162,271	8,169,558	200,000
07	Consulting Services	661,000	1,002,150	1,090,971	(88,821)	437,691	261,179	1,352,150	350,000
08	Incremental Operating Cost	446,000	672,645	256,912	415,733	256,912	483,326	740,241	67,596
09	Interest Charge	415,000	625,791	-	625,791	51,853	625,791	625,791	-
10	Unallocated	1,700,000	2,552,482	-	2,552,482	-	900,255	900,255	-
99	Imprest/Account	-	115,369	-	115,369	3,000,000	-	-	-
	<b>TOTAL</b>	<b>20,198,000</b>	<b>30,501,875</b>	<b>8,470,741</b>	<b>22,031,134</b>	<b>8,965,302</b>	<b>22,031,134</b>	<b>30,501,875</b>	
				0.28		0.29			

Note: Contract awards and disbursement figures taken from ADB LFIS as of 30 April 2010.

SDR and US\$ allocation figures taken from ADB LFIS as of 30 April 2010.

CPMU to provide expected expenditures for remainder of the Project.

Column C: Contracts already submitted to ADB (assigned with PCSS numbers)



**Loan 2283-VIE(SF): Agriculture Science and Technology Project – as of 30 April 2010**  
**Project Design and Monitoring Framework**

<b>A. Impact</b>				
<b>Planned Outcomes</b>	<b>Monitoring Indicators/ Targets</b>	<b>Progress</b>	<b>Assessment</b>	<b>Recommendation/Actions</b>
<b>Impact</b> Sustainable and equitable agricultural growth achieved	Five years after the Project completion: <ul style="list-style-type: none"> <li>Aggregate value added and exports of the agriculture sector to increase at about 3.0 to 3.2% and 12.3 - 14.3% respectively per year from 2006-2010 in line with the 5-Year</li> <li>Socio-economic Development Plan Poverty incidence in rural areas decreased from 45% (2003)</li> </ul>			
<b>Data Sources and Reporting Mechanisms:</b> (i) National Accounts; National agricultural statistics (annual yields, production volume and value, varieties of crops and other products, and other relevant data); Poverty assessments; (iv) Monitoring by the Ministry of Agriculture and Rural Development (MARD) and Ministry of Planning and Investment (MPI)			Assess Statistic Department relevant data  MOLISA (Ministry of Labour and Invalid and Social Affairs  And data from the Ministry of Trade /Commerce	
<b>Assumptions and Risks</b> <b>Assumptions:</b> (i) Macroeconomic stability maintained during the project period; (ii) The country's agriculture sector continues to be effectively integrated into international markets; (iii) Sustainable use of on- farm and off-farm natural resources				

**B. Outcome**

Planned Outcomes	Monitoring Indicators/ Targets	Progress	Assessment	Recommendation/Actions
<p><b>Outcome</b></p> <p>National system of agriculture science and technology (AST) strengthened</p> <p><b>Data Sources and Reporting</b></p> <p><b>Mechanisms:</b> (i) Monitoring by MARD and CPMU; (ii) Project review missions ADB; (iii) Project monitoring system and evaluation report; (iv) Regular dialogue with key stakeholders involved in the national AST system, including extension centers and research institutes</p> <p><b>Assumptions and Risks</b></p> <p><b>Assumptions:</b> (i) Continued Government commitment to the market-oriented agriculture sector in line with the national socioeconomic development plans; (ii) Continued Government policies and actions to streamline AST institutions to respond to the national development goals; and (iii) Agriculture market information systems effectively implemented.</p>	<p>After the Project completion:</p> <ul style="list-style-type: none"> <li>• Average of about 80% of the graduates of the targeted schools enter into full-time employment</li> <li>• Utilized 50% of the ceiling capacity of the supporting equipments</li> <li>• Increased by 10% of profitability of various agricultural commodities</li> </ul>		<p>Assess available data for the following:</p> <ul style="list-style-type: none"> <li>• Increased by xx % annually rural employment</li> <li>• Millennium development goals (MDG) related indicators</li> </ul> <p>Assess all available information/data source to track the progress of the indicators set in the monitoring indicators/targets in all levels: national, provincials, districts, communes</p>	<p>Revisit the following proposed indicators:</p> <p>Cost per analysis or sample including number of samples analyzed per unit of time reduced by 10%</p> <p>improved by 10% of the accuracy and reliability of analyses and ability to work in new areas or do new analyses</p>



staff lists; (iii) Midterm and completion reviews of the Project; (iv) Regular dialogue with key stakeholders involved in the national AST system				
<b>Assumptions and Risks</b> <b>Assumptions: (i)</b> The Government's plan for research institute reorganization implemented; (ii) Skilled staff retained in the national AST system; (iii) Adequate financial resources for proper operation and maintenance  <b>Risk:</b> Inappropriate intervention into procurement and selection of trainees				

Planned Outputs	Monitoring Indicators/ Targets	Progress	Assessment	Recommendation/Actions
<b>Output 2:</b> Grassroots Agriculture Extension Improvement	<b>2.1. Pro-poor Provincial Agricultural Extension Services</b> <ul style="list-style-type: none"><li>• Empowered 40 trainers from 5 provinces</li><li>• organized 270 training programs at 5 provinces, 79 districts, and 1405 communes</li><li>• trained 100 provincial extension staff, 400 district staff, and 5,500 commune services providers at least xx person days/ participants</li></ul> <ul style="list-style-type: none"><li>• produced xx packages of suitable training equipments/ materials<sup>1</sup> including TV/VCD, posters, brochures, pamphlets, etc</li></ul> <b>2.2. Promotion of extension contracts</b>	45 trainers participated in xx out of xx designed programs Xx programs have been conducted, attended by xx participants: xx participants at national, xx participants at 5 provinces, xx participants in 79 district; and xx participants in 1405 communes		

<sup>1</sup> For capacity building relevant for poor farmers, gender, ethnic, and other extension services from national to commune level

<sup>2</sup> biomass/biogas, CDM, certification, food processing, etc)



	<ul style="list-style-type: none"> <li>awarded 500 extension contracts for demonstration plots in poor 157 communes</li> <li>segregated contract awards: 75% on production, 10% on marketing, 5% on post harvest technology; 10 % of other management<sup>2</sup></li> <li>14,000 households are the participants of various extension contracts</li> <li>at least 50% of participants for various extension services are the poor</li> <li>at least 50% of the Project beneficiaries are women</li> <li>at least 20% of project beneficiaries are ethnic minorities</li> <li>30% of demonstrated activities are adopted by farmers /beneficiaries</li> </ul>	<p>272 contracts have been awarded to 157 communes; and additional 100 contracts are processed</p> <p>8,396 households participated in the extension contracts</p> <p>96% participants are the poor</p> <p>47% participants are women</p> <p>16% of served household beneficiaries were ethnic minorities</p>		
<p><b>Data Sources and Reporting Mechanisms:</b></p> <ul style="list-style-type: none"> <li>Monitoring by MARD and MPI</li> <li>ADB review missions</li> <li>Project monitoring system and progress reports, including contract awards</li> <li>Midterm and completion reviews of the Project</li> <li>Regular dialogue with key stakeholders involved in the national AST system</li> </ul>				
<p><b>Assumptions and Risks</b></p> <p>Government procedures and regulations improved for the client-oriented AST system of the country</p> <p>Increased awareness among the stakeholder agencies about the</p>				

need for client-oriented agricultural research activities				
Planned Outputs	Monitoring Indicators/ Targets	Progress	Assessment	Recommendation/Actions
<p><b>Output 3:</b> Rural -based Technical and Vocational training</p>	<p>3.1. Strengthen management and teaching capacity:</p> <ul style="list-style-type: none"> <li>Developed 30 training programs<sup>3</sup> of curricula for 10 schools</li> <li>300 teachers/school managers are trained for various skills<sup>4</sup></li> <li>Conducted xx person days training/ workshops/ study tours and other capacity building</li> <li>75% participants scored good quality of the capacity building provided</li> </ul> <p>3.2. Upgrade teaching facilities, equipment and materials:</p> <ul style="list-style-type: none"> <li>Upgraded laboratories, library, equipments and other facilities for 10 schools</li> <li>80% of the laboratories, equipments and other facilities are properly used</li> </ul>	<p>11 training programs have been completed and disseminated in 10 schools</p> <p>276 teachers/school managers are training for total xx person days</p> <p>Completed 3 programs for 10 courses for 30 days attended by 276 participants</p>		<p>Update and gather scoring of each capacity building by 15 June 2010</p>
<p><b>Data Sources and Reporting Mechanisms:</b> (i) Monitoring by MARD and MPI; (ii) ADB review missions; (iii) Project monitoring</p>				

<sup>3</sup> Namely: veterinary, irrigation, livestock, salt production, plant protection, post harvest

<sup>4</sup> Average xx person days in methodology, xx person day in technical skills, xx person days in management, for each)

system and progress reports; (iv) Midterm and completion reviews of the Project; (v) Regular dialogue with key stakeholders involved in the national AST system					
<b>Assumptions and Risks</b> <b>Assumptions:</b> (i) National curriculum guides developed in line with the national sector goals; (ii) School-industry councils provide effective guidance to schools; (iii) Labor market information effectively communicated to technical and vocational schools					
<b>Planned Outputs</b>	<b>Monitoring Indicators/ Targets</b>	<b>Progress</b>	<b>Assessment</b>	<b>Recommendation /Actions</b>	
<b>Output 4:</b> Project implementation and management	<b>Government staff:</b> 14 fulltime and 9 part-time staff at national and 27 fulltime and 17 part-time staff at 5 provinces  Completed 100% of their working portfolio  80% of the total staff performed satisfactory  Consulting services: xx person months of international consultants (xx consultants) and xx person months of national consultants (xx consultants)  80% of the total consultants performed satisfactory  Completed 100% of their working	<b>Government staff:</b> 14 fulltime and 9 part-time staff at national and 27 fulltime and 17 part-time staff at 5 provinces  xx0% of the total staff performed satisfactory  Completed xx % of their working portfolio  Awarded contracts for consulting services: 29 person months of international consultants (7 consultants) and 78 person months of national consultants (8 consultants)  80% of the total consultants performed satisfactory  Average completed 55%		Formulate evaluation forms for staff and consultants by 30 June 2010 and submit the report for ADB comments by 31 July 2010	

<p>portfolio</p> <p>1 CPMU and 5 PPMUs are adequately equipped with supporting furniture, equipments, vehicles and other supporting facilities</p> <p>Well performed 20 IPMUs (10 research institutes and 10 schools)</p>	<p>of their assignments</p> <p>1 CPMU and 5 PPMUs are adequately equipped with supporting furniture, equipments, vehicles and other supporting facilities</p>		
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#### D. Activities with Milestones

Activities with Milestones	Progress	Assessment	Recommendation/Actions
<ol style="list-style-type: none"> <li>1. Client-oriented Research and Capacity Strengthening               <ol style="list-style-type: none"> <li>1.1 Provision of laboratory facilities and equipment for research</li> <li>1.2 Provision of training programs for staff and researchers of research institutes</li> <li>1.3 Provision of research fund</li> </ol> </li> <li>2. Grassroots Agriculture Extension Improvement               <ol style="list-style-type: none"> <li>2.1 establish formal linkages between farmer groups, extension service providers, and research institutes</li> <li>2.2. Provision of training facilities and equipment for provinces and districts</li> <li>2.3. Develop national and provincial extension contract systems with local service providers</li> </ol> </li> <li>3. Rural -based Technical and Vocational training               <ol style="list-style-type: none"> <li>3.1. Provision of schools facilities and equipments</li> <li>3.2. Revision of school curriculum guidelines</li> </ol> </li> </ol>			
<p><b>Inputs:</b></p> <p><b>ADB loan: SDR 20,198,000:</b> (i) Civil works: SDR 809,000; (ii) Equipments SDR 5,123,000, (iii) Vehicles SDR 24,000; (iv) Materials SDR 1,429,000, (v) Training SDR 4,276,000, (vi) Research/Extension contracts SDR5,315,000, (vii) Consulting services: SDR 661,000; (viii) Incremental operating costs SDR 446,000; (ix) Interest charge SDR 415,000 (x) <b>unallocated</b> SDR 1,700,000</p> <p><b>Government: \$10.0 million:</b></p> <p>(i) Civil works: SDR xx; (ii) Equipments SDR xx, (iii) Vehicles xx; (iv) Materials SDR xx, (v) Training SDR xx, (vi) Research/Extension contracts SDR xx, (vii) Consulting services: SDR xx; (viii) Incremental operating costs SDR xx; (ix) Interest charge SDR xx</p>			