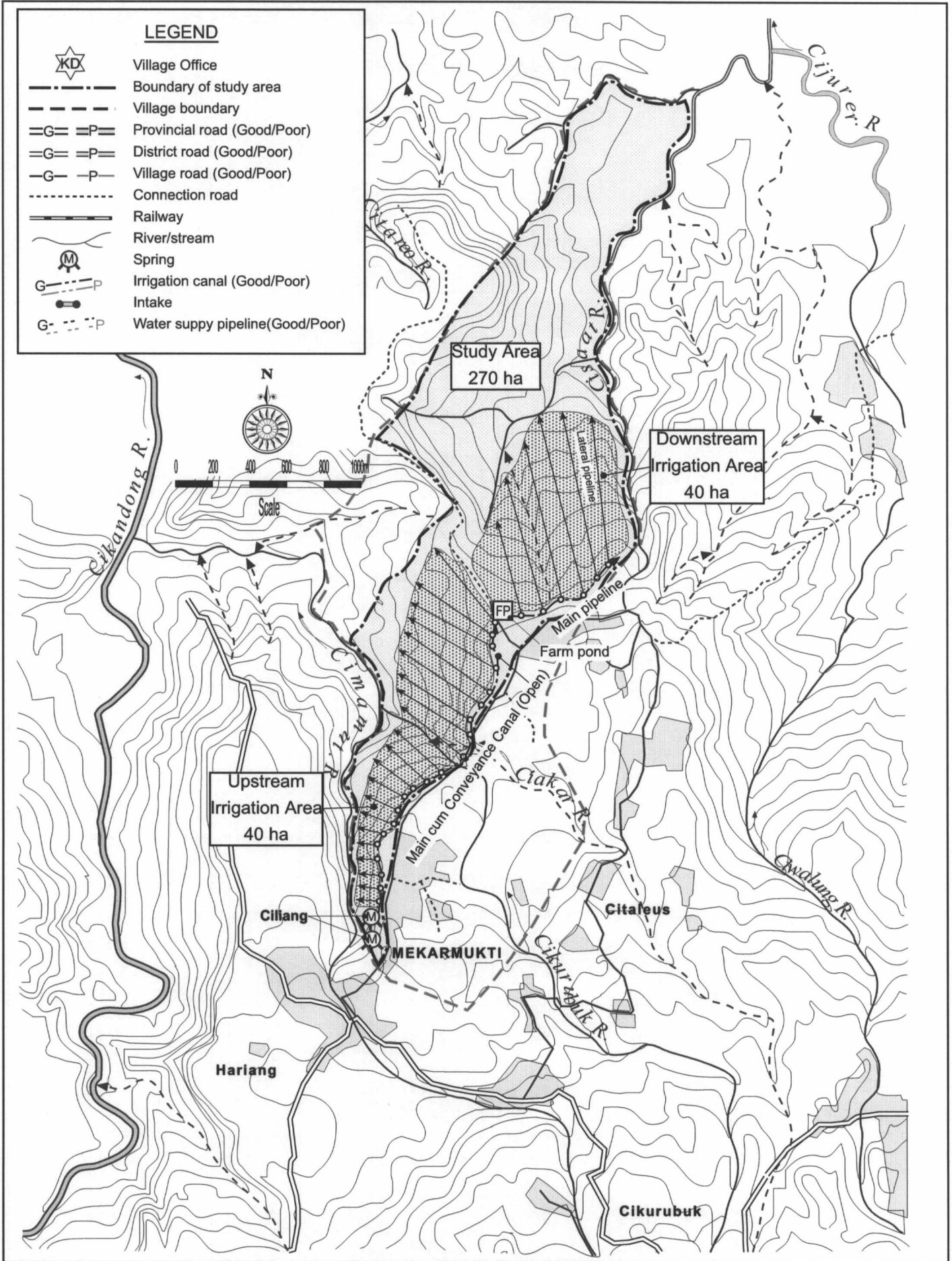


### 3.3.7 Basic Development Plan of Mekarmukti Model Area (PDM)

Target Group : Farmers in Mekarmukti Model Area (including tenant farmers)

Project Term : 5 years

Project Summary	Verifiable Indicators	Means of Verification	Important Assumptions
<b>Overall Goal</b> Development model of the model area is expanded over highland area of West Java Province.	- Increased number of similar schemes	- District and Subdistrict Agricultural Service Offices	- Ministry of Agriculture continuously adopts the horticultural dev. policy.
<b>Project Purpose</b> Farmers' income is increased and living standard is improved through stabilization of vegetable production.	- Increase rate of farm income (to be adjusted using GDP deflator)	- Farm surveys to be made in project monitoring works	- Economic situations of Indonesia do not aggravate seriously.
<b>Outputs</b> 1. Vegetable production system is improved. 1-1 Irrigation water is supplied. 1-2 Research information on vegetable crop cultivation technology is available. 1-3 Farmers' vegetable production technology is improved.  2. Marketing system of vegetable products is improved. 2-1 Farmers' collection and delivery activities are improved. 2-2 Crop planning is formulated by farmers based on market needs.  3. Farmers' organizations are activated in agricultural dev. 3-1 Farmers/farmer groups are reorganized. 3-2 Capacity of farmers' organizations is improved in O&M of rural facilities, marketing of vegetables, farm inputs & credit supply, and organizational management.	- Vegetable cropping intensity - Unit yields of vegetable crops  - Amount of farm inputs  - Amount and value of jointly delivered vegetables - Changes in cropping intensity  - Date of registration and number of members - Planned and actual cropping patterns - Number of credit users and loan amount - Handling amount and value of farm inputs - Operation of Farmers' Cooperative - Operation of Farm Water Users Association	- Record of Farm Water Users Association - Farm surveys  - Farm surveys  - Record of Farmers' Cooperative - Record of WUA/Farm surveys  - Registration records of Coop. and WUA - Record of WUA and farm surveys - Record of Farmers' Cooperative - Record of Farmers' Cooperative - Balance sheet of Farmers' Cooperative - Balance sheet of Farm Water Users Association	- Existing marketing and transportation system for vegetables do not aggravate seriously. - Relevant research institutes continue their research works.
<b>Activities</b> 1-1 To develop irrigation facility. 1-2 To establish linkage with relevant research institutes. 1-3 To operate farmers field school along with demo-plots.  2-1 To improve collection and delivery facilities for vegetable products. 2-2 To train farmers on crop planning based on market needs involving private sector.  3-1 To train farmers/farmer groups in forming Farmers' Cooperative, Farm Water Users Association, and Rural Water Supply Users Association. 3-2 To train farmers' organizations on: 3-2.1 operation and management of rural facility, 3-2.2 joint purchase of farm inputs and tools, 3-2.3 joint collection and delivery of vegetable products, 3-2.4 post-harvest handling and packaging, 3-2.5 credit handling and management, and 3-2.6 organization management.	<b>Inputs for this Model Area</b> 1. Manpower - Village Coordinators : 216M/M (Rp.432 mil.)  2. Facility - Irrigation facility: 80 ha (Rp.872 mil.) - Collection/delivery facility: 8 units (Rp. 80 mil.)  3. Training of farmers/farmer groups/farmers' organizations: (Rp.201 mil.)  4. Training of Village Coordinators: (Rp. 13 mil.)  5. Administration cost: (Rp.160 mil.)  Total Cost: Rp.1,758 million	<b>(Inputs for All Model Areas)</b> 1. Manpower - External experts: 540 M/M (Rp.25,290 mil.)  2. Facility - Adaptive Trial Farm Improvement: 2 ha (Rp.320 mil.)  3. Machine/Equipment - Car: 2 units - Computer: 5 units - Photo copy machine: 1 unit - Motorcycle for Village Coordinator: 25 units (Rp.425mil.)  4. Training of Task Team: (Rp.471 mil.)  5. Administration cost: (Rp.2,650 mil.)  Total Cost: Rp.29,156 million	- Cooperation of relevant research institutes is provided. - Cooperation of relevant agencies at provincial, district and subdistrict levels is provided. - Cooperation of private sector is provided.  <b>Pre-conditions</b> - Farmers in the model area participate in the Project. - Ministry of Agriculture and West Java Province Agricultural Service Office continue their support to the Project.



THE FEASIBILITY STUDY ON THE INTEGRATED AGRICULTURAL AND RURAL DEVELOPMENT IN HIGHLAND AREA IN THE REPUBLIC OF INDONESIA

**Agricultural and Rural Infrastructure Improvement Plan  
Mekarmukti Model Area**

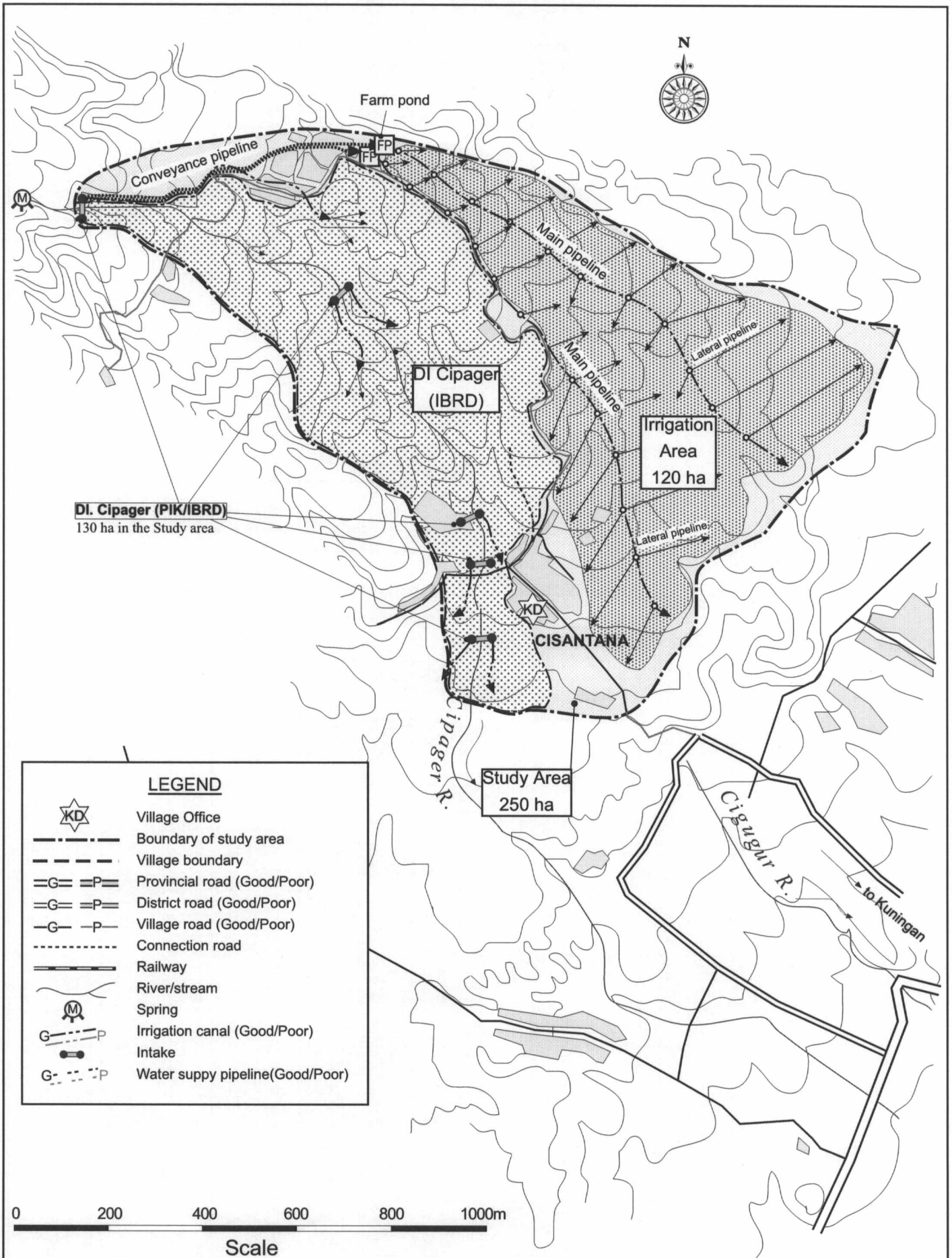
Japan International Cooperation Agency

### 3.3.8 Basic Development Plan of Cisantana Model Area (PDM)

Target Group : Farmers in Cisantana Model Area (including tenant farmers)

Project Term : 5 years

Project Summary	Verifiable Indicators	Means of Verification	Important Assumptions
<b>Overall Goal</b> Development model of the model area is expanded over highland area of West Java Province.	- Increased number of similar schemes	- District and Subdistrict Agricultural Service Offices	- Ministry of Agriculture continuously adopts the horticultural dev. policy.
<b>Project Purpose</b> Farmers' income is increased and living standard is improved through stabilization of vegetable production.	- Increase rate of farm income (to be adjusted using GDP deflator)	- Farm surveys to be made in project monitoring works	- Economic situations of Indonesia do not aggravate seriously.
<b>Outputs</b> 1. Vegetable production system is improved. 1-1 Irrigation water is supplied together with domestic water. 1-2 Research information on vegetable crop cultivation technology is available. 1-3 Farmers' vegetable production technology is improved.  2. Marketing system of vegetable products is improved. 2-1 Farmers' collection and delivery activities are improved. 2-2 Village transportation system is improved. 2-3 Crop planning is formulated by farmers based on market needs.  3. Farmers' organizations are activated in agricultural dev. 3-1 Farmers/farmer groups are reorganized. Capacity of farmers' organizations is improved in O&M of rural facilities, marketing of vegetables, farm inputs & credit supply, and organizational management.	- Vegetable cropping intensity - Unit yields of vegetable crops  - Amount of farm inputs  - Amount and value of jointly delivered vegetables - Number of in-coming middlemen - Changes in cropping intensity  - Date of registration and number of members - Planned and actual cropping patterns - Number of credit users and loan amount - Handling amount and value of farm inputs - Operation of Farmers' Cooperative - Operation of Farm Water Users Association - Operation of Rural Water Supply Users Associat.	- Record of Farm Water Users Association - Farm surveys  - Farm surveys  - Record of Farmers' Cooperative - Information from Farmers' Cooperative - Record of WUA/Farm surveys  - Registration records of Coop. and WUA - Record of WUA and farm surveys - Record of Farmers' Cooperative - Record of Farmers' Cooperative - Balance sheet of Farmers' Cooperative - Balance sheet of Farm Water Users Association - Balance sheet of Rural Water Supply Users Ass.	- Existing marketing and transportation system for vegetables do not aggravate seriously. - Relevant research institutes continue their research works.
<b>Activities</b> 1-1 To develop irrigation facility including rural water supply. 1-2 To establish linkage with relevant research institutes. 1-3 To operate farmers field school along with demo-plots.  2-1 To improve collection and delivery facilities for vegetable products. 2-2 To improve village marketing road. 2-3 To train farmers on crop planning based on market needs involving private sector.  3-1 To train farmers/farmer groups in forming Farmers' Cooperative, Farm Water Users Association, and Rural Water Supply Users Association. 3-2 To train farmers' organizations on: 3-2.1 operation and management of rural facility, 3-2.2 joint purchase of farm inputs and tools, 3-2.3 joint collection and delivery of vegetable products, 3-2.4 post-harvest handling and packaging, 3-2.5 credit handling and management, and 3-2.6 organization management.	<b>Inputs for this Model Area</b> 1. Manpower - Village Coordinators : 324M/M (Rp.648 mil.)  2. Facility - Irrigation facility: 120 ha (Rp.937 mil.) - Village marketing road: 3 km (Rp.450 mil.) - Collection/delivery facility: 12 units (Rp. 120 mil.) - Rural water supply system: 500 households (Rp.250 mil.)  3. Training of farmers/farmer groups/farmers' organizations: (Rp.254 mil.)  4. Training of Village Coordinators: (Rp. 16 mil.)  5. Administration cost: (Rp.268 mil.)  Total Cost: Rp.2,943 million	<b>(Inputs for All Model Areas)</b> 1. Manpower - External experts: 540 M/M (Rp.25,290 mil.)  2. Facility - Adaptive Trial Farm Improvement: 2 ha (Rp.320 mil.)  3. Machine/Equipment - Car: 2 units - Computer: 5 units - Photo copy machine: 1 unit - Motorcycle for Village Coordinator: 25 units (Rp.425mil.)  4. Training of Task Team: (Rp.471 mil.)  5. Administration cost: (Rp.2,650 mil.)  Total Cost: Rp.29,156 million	- Cooperation of relevant research institutes is provided. - Cooperation of relevant agencies at provincial, district and subdistrict levels is provided. - Cooperation of private sector is provided.  <b>Pre-conditions</b> - Farmers in the model area participate in the Project. - Ministry of Agriculture and West Java Province Agricultural Service Office continue their support to the Project.



LEGEND	
	Village Office
	Boundary of study area
	Village boundary
	Provincial road (Good/Poor)
	District road (Good/Poor)
	Village road (Good/Poor)
	Connection road
	Railway
	River/stream
	Spring
	Irrigation canal (Good/Poor)
	Intake
	Water supply pipeline (Good/Poor)

