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ANNEX A

OFFICIAL DEVELOPMENT ASSISTANCE

Annex A-1 Donor Activities in ARMM¹ after 2000

	Donor Organization	Name of Project	Brief description & status of implementation	Implementing Agency	Duration	Amount (US\$ Million)
1	European Union (EU)	Support To Agrarian Reform Communities in Central Mindanao (STAR-CM)	- STAR-CM is a 7-year project geared to contribute to the alleviation of rural poverty and economic disparities in the 4 provinces of Sultan Kudarat, Lanao del Norte, Cotabato and Lanao del Sur. The project will augment the efforts of other agencies and programs of the government to achieve lasting improvements in self-reliance, living standards, and quality of life of households actively farming in the 50 selected Agrarian Reform Communities. - Covers: ARMM, Region X & Region XII - Project implementation delayed until as of February 2003. Ban on the mobilization of expatriate members of the international technical assistance team was lifted in the third quarter of 2002. Final design inputs from these consultants for the operationalization of the 3 (out of 4 project components) were supposed to have been completed in May 2002 which is the end of inception phase out (but were cut shortly in December 2001). This is the reason why the project was unable to effect smooth transition from inception to implementation phase in Mid-May which consequently caused the delay. The consulting firm handling the project has hired Filipino international technical assistance to replace most of the expatriate members of the team. Moreover, the European TA team was able to return only in mid-September to complete the design inputs in the operations manual of the agricultural productivity & enterprise development component of the project. Project is still awaiting submission of the consolidated ARC development plans from DAR-provincial officers.	DAR	May 2001-2008	15.66 (grant)
		Upland Development Program in Southern Mindanao (UDP)	- Covers Region XI and Region XII including the provinces of South Cotabato and Sarangani - Project aims to develop and test a replicable model for sustainable management of the natural resources in the uplands and enable upland communities to address their subsistence needs and to produce new marketable surpluses through sustainable market-led production. - Accomplishments include organizing associations, training of LGU field staff, watershed management, agricultural marketing information system, road rehabilitation, & water systems	DA	Until Jan 2006	17.93 (grant)

¹ This is only an initial list. This does not include projects and activities of JBIC, JICA and the Embassy of Japan; and some projects of WB and ADB where Japan's ODA is involved.

Donor Organization	Name of Project	Brief description & status of implementation	Implementing Agency	Duration	Amount (US\$ Million)
2	ADB				
	Southern Philippines Irrigation Sector Project	- The project involves the replacement of 256 temporary and weakened bridges (9,333 linear meters) using steel beam and truss technology. - Implementation delayed due to delays in hiring personnel for the project Management Office, plantilla positions proposed to DBM has yet to be approved. A rapid appraisal is on-going. The project has so far sponsored 3 training courses on project appraisal, monitoring, evaluation and sustainable poverty alleviation. 39% of the 771 municipalities covered have been informed about the project.	Multi-agency	October 1999-June 2006	60.0 (loan)
	Agrarian Reform Communities Development Projects	- The project involves rehabilitation and construction of farm to market roads and bridges, culverts, rehabilitation of existing ARCs, improvement or rehabilitation of existing wells and development of spring sources, survey of public alienable and dispensable lands and introduction of alternative farming systems and small enterprises to cooperatives and agrarian reform beneficiaries, provision of training and credit facilities to extension workers, leaders and cooperatives on enterprise planning and management. - Nation-wide coverage, including Mindanao Regions and ARMM (provinces of Lanao del Sur, Sulu, Maguindanao and Tawi-Tawi)	DAR	July 1999-December 2005	93.20 (loan)
	Grains Sector Development Program	- The project aims at improving agricultural infrastructure and support services as well as strengthen institutional capacity of national and local agricultural institutions. - Covering 8 Regions nation-wide including ARMM (Midsayap, Ipil, Dipolog, Tantaran, Buayan, Tinagakan, Cotabato, and Gen. Santos city) - Implementation delayed due to delays in the releases of counterpart funds.	DA (NIA, ATI, BAR, BAS, BSWM, PhilRICE)	August 2000-May 2005	75 (loan)
	Infrastructure for Rural Productivity Enhancement Sector (INFRES)	- Covers 5 Regions nation-wide including ARMM (provinces of Lanao del Sur, Tawi-Tawi, Basilan, Sulu & Maguindanao) - Projects for ARMM areas will only be implemented starting 2004 on demand-driven basis	DA	February 2002-June 2008	-
3	World Bank (WB)				
	Mindanao Rural Development Program	- Projects aim at increasing agricultural production and efficiency and the diversification of rural economic activities, as well as improving institutional services delivery systems of LGUs and central government agencies - Covers 4 Regions in Mindanao including ARMM (Maguindanao) - Constructed 1,876 hectares of Communal Irrigation Systems, rehabilitated 238 kms of farm to market roads, constructed 13 units of water supply including spring development projects, constructed 16.8 km of bridges, established 44 techno demo farms	DA (NIA, DENR, LGUs)	March 2000-December 2003	27.5 (loan)

(Updated as of 15 July 2003 by: Rey GERONA, JICA In-house Consultant)
Sources of information: NEDA-PMS, NEDA-Regional Offices in Mindanao, MEDCo, with inputs from EOJ)

Annex A-1 Continuation

	Donor Organization	Name of Project	Brief description & status of implementation	Implementing Agency	Duration	Amount (US\$ Million)
4	USAID	Growth with Equity in Mindanao (GEM) Phase 2	- Project aims at developing effective and functioning self-sufficient business support organizations, expand production & marketing of non-traditional commodities; undertake implementation of 500 small infra projects (water supply systems, warehouses, solar dryers, boat landing culverts, community centers, bridge and roadway upgrading, and assist ARMM regional government address key governance issues such as infra planning & implementation, procurement procedures, personnel management and optimizing investments in education. Studies and analyses on ARMM governance on-going - Aims at assisting some 3,000 MNLF former combatants located in Region IX, Region X, Region XII and ARMM - Some 300 MNLF communities have been provided with post-harvest facilities - Assists saving and credit cooperatives (credit unions) to be able to expand financial services to the microenterprise sector - Covers 6 Regions in Mindanao including ARMM - As of October 2002, project was able to assist 17 cooperatives/unions that were able to expand financial services to total of 207,000 members with a loan portfolio of US\$24.4 million - Coverage included Sulu province - Supply of solar infrastructure equipment directly to recipient municipalities	Louis Berger International, Inc. (lodged at MEDCo)	August 2002-August 2007	55 (grant)
		Livelihood Enhancement And Peace		Louis Berger International, Inc. (lodged at MEDCo)		4.98 (grant)
		Credit Union Empowerment and Strengthening (CUES)				1.0 (grant)
		Municipal Solar Infrastructure Project		DILG	1997-2001	0.3 (grant)
5	CIDA	Commodity Assistance program	The project makes available to the Philippines Canadian \$15 million to procure Canadian goods which will then be sold in the Philippines to public or private sector enterprises. Revenues generated are deposited in the PCDF to finance local costs of development projects jointly selected by GOP and CIDA in the areas of good governance & private sector development. Covers 12 Regions nation-wide including ARMM	PCDF	Until June 2005	11.36 (grant)
6	IFAD	Western Mindanao Community Initiatives	- Covers Region IX and ARMM (Basilan) - The project provides financing for community and institutional development resource management for small enterprise and credit to increase subsistence in cash crop and fishery production and increase incomes of about 16,000 farmers and fishers.	DAR	March 1999-December 2004	8.33 (loan)
		Northern Mindanao Community Initiatives and Resource Management Project	Covers Region X, CARAGA and ARMM	DAR		8.78 (loan)

(Updated as of 15 July 2003 by: Rey GERONA, JICA In-house Consultant)

Source of information: NEDA-PMS, NEDA-Regional Offices in Mindanao, MEDCo, with inputs from EOJ)

Annex A-1 Continuation

	Donor Organization	Name of Project	Brief description & status of implementation	Implementing Agency	Duration	Amount (US\$ Million)
7	UNDP	UN Multi-Donor Programme	•			
8	Austria	Austrian-Assisted President's Bridge Program	• Coverage: nation-wide including Region IX, Region X and Region XII, includes bridges in Basilan (1 bridge) and Marawi City (1 bridge) • Project involves the construction of local bridges into modular steel-type bridge	DILG	Oct 1999-Oct 2003	84.50 (loan)
		Austrian-Assisted Bridge Construction Replacement Project	• Nation-wide • Project involves the construction/replacement of about 124 temporary and weakened bridges (7,000 lineal meters) into steel modular bridging technology	DPWH	April 2002-Oct 2004	33.37 (loan)
9	OPEC	SZOPAD Social Fund	• Covers Region IX, Region XI, Region XII, Region IV and ARMM	OPSSF (WB)	Aug 2000-June 2004	

Annex A-2 Official Development Assistance Project Profile

On-Going Programs/Projects

Name of Programs/Projects	Source of Funding	Brief Description	Amount P/\$	Current Status
UN Multi-Donor Programme Phase III	UN	Support the provision of basic services, livelihood, capability building and confidence building at all levels of government. Furthermore, it aims to strengthen the foundation of peace and development in Southern Philippines, specifically to: (a) improve capacities of target communities in partnership with their local governments for self-sustaining development and improved access to basic services; (b) strengthen institutional support mechanisms to promote collaboration and enhance coordination for continuing support to peace building and development; and (c) promote a positive environment of mutual trust and confidence among the peoples and institutions in Southern Philippines for lasting peace.	US\$25.0 M	On-going
Primary Health Care		Aims to reduce maternal and child morbidity in ARMM by organizing and training barangay health workers and traditional birth attendants and providing health care infrastructure support and education materials.		On-going
Mindanao Rural Development Project (MRDP)	World Bank	The project aims to (a) enhance the capability of LGUs and rural communities to plan, mobilize resources and deliver basic services particularly to the marginalized sectors; (b) ensure food security through sustained agricultural productivity; (c) improve mobility of goods, services and people, and (d) facilitate institution building through linkages with NGOs and Pos	P1,679.98 M	On-going
Agrarian Reform Communities Project	ADB	The project involves integrated and complimentary processes of infrastructure investment and development support services to agrarian reform communities with the following components: (a) rural infrastructure; (b) land survey and titling; (c) development support, and (d) project management and capacity building.	US\$97.0 M	On-going
Support to Agrarian Reform Communities in Central Mindanao (STARCM)	EU	The project contributes to the alleviation of rural poverty and economic disparities in four provinces including Lanao del Sur in ARMM through institutional strengthening support infrastructures, agricultural productivity and enterprise development, access to rural finance and project management/administration.	P243.45 M	On-going

Annex A-2 Continuation

Name of Programs/Projects	Source of Funding	Brief Description	Amount P/\$	Current Status
Socio-Economic Development Through Cooperatives in the Philippines (SEDCOP)	CIDA		C\$9.66 M	On-going
Small Project Fund Programme	New Zealand Government		NZ\$15/yr.	On-going
Southern Philippines Irrigation Sector	ADB	The project involves the construction and improvement of small to medium scale irrigation systems, strengthening of irrigation operation and maintenance through beneficiary participation and instructional capacity of executing agencies in Southern Philippines. The components include: (a) participation and transfer; (b) physical infrastructure; (c) environmental and social measures; and (d) project management.	US\$103 M	On-going
Livelihood Enhancement and Peace Project (LEAP2)	USAID	The combination of the Emergency Livelihood Assistance Programs (ELAP) and the Support Which Implements Fast Transitions (SWIFT), the Livelihood Enhancement and Assistance Program (LEAP) II provides assistance to former MNLF combatants in developing the ability to make a continuing living for themselves and their families.	US\$4.983 M	On-going
Community-Based Mangrove Forest Management		The project aims to rehabilitate denuded mangrove areas. It will enrich the breeding capability of marine and aquatic resources in the area.	P11,986 M	On-going
Integrated Rural Accessibility Planning (IRAP)		The project aims to establish a correct picture of access of rural households to potable water. Fuelwood and food, roads and transport systems, markets, agricultural inputs, post harvest facilities, electricity, health and education		On-going
Comprehensive Salam (Peace) Bridges Project	British Government	The project involves the construction of 163 bridges	US\$ 85.3 M	On-going
Malitubog-Maridagao (MALMAR) Irrigation Project I	JBIC	The project involves the construction of irrigation and drainage facilities to serve 3,645 hectares of agricultural land in Maguindanao and North Cotabato	Y7,387 M	On-going
Growth with Equity in Mindanao Phase 2	USAID	The project intends to help bring about and consolidate peace in Mindanao and to accelerate economic growth in Mindanao and help assure that as many people as possible, including members of cultural and religious minorities, benefit from the economic growth. Its principal activities include: (a) Business Support Organization (BSO) Development; (b) Targeted Commodity Expansion Program (TCEP); (c) Community and Mid-Scale Infrastructure Programs (CIP and MSIP); (d) ARMM Governance Improvement; (e) ARMM Education Improvement; (f) Policy Modification Assistance; and (g) Targets for Opportunity.	US\$ 54.78 M	On-going

Annex A-2 Continuation

Name of Programs/Projects	Source of Funding	Brief Description	Amount P/\$	Current Status
Environmental Protection in Support to Sustainable Livelihood Component in Lake Lanao	Netherlands Government		US\$0.74 M	On-going
Development Partnership for Armed Conflict Victims	CIDA		US\$ 0.76 M	On-going
Integrated Return and Rehabilitation Program for Civilian War Victims of Mindanao	Assisi Development Foundation-Tabang Mindanaw (CIDA)		US\$0.46 M	On-going
Mindanao Program for Peace and Development	CIDA	The program seeks to reduce the level of poverty in SZOPAD by undertaking pro-active steps in protecting and enhancing the initial gains taken in the Program for Peace and development in the SZOPAD Areas (PPDSA) and spreading the development process to other major stakeholders of peace and development in Mindanao. The program has the following components: (a) Livelihood and enterprise; (b) Community organizing and capacity building; and (c) Policy advocacy.	US\$0.90 M	On-going
Upland Farming Model Villages Project	CIDA		US\$0.90 M	On-going
Infrastructure for Rural Productivity Enhancement Sector	ADB	The components of the project include: (a) rural infrastructure; (b) capacity building for the development project implementation and management and (c) project management and coordination	P6,849 M	On-going
Philippine Environmental Governance Project (EcoGov)	USAID	The project builds the capability of local governments and communities to manage coastal resources, forests and solid waste, with a special emphasis on Western and Southern Mindanao. Activities will promote good governance - accountability and transparency - in awarding leases and contracts; in collecting and spending fees; and in enforcing laws governing the sustained use of natural resources. It will also strengthen the ability of LGUs to obtain services, in a transparent and competitive process, for managing their solid waste.		On-going
Second Rural Finance Project	WB	Provision of short/medium term loans to finance private investments in the countryside.	P22.0 M	On-going
Third Rural Finance Project	WB	Provision of short/medium term loans to finance private investments in the countryside.	P35.0 M	On-going
Western Mindanao Community Initiatives Project (WMCIP)	IFAD	Provides financing for community and institutional development resource management for small enterprise and credit.	P678.31 M	On-going
SZOPAD Rehabilitation Project (SRP)	EU	The project aims to improve the well-being and incomes of MNLF ex-combatants and others in the SZOPAD, particularly the inhabitants of barangays located in selected upland farming	P249.0 M	On-going

Annex A-2 Continuation

Name of Programs/Projects	Source of Funding	Brief Description	Amount P/S	Current Status
Grains Sector Development program (GSDP)	ADB	barangays located in selected provinces. The project provides infrastructure support, capacity building for national and local agricultural institutions,	P4,882.0 M	On-going
Infrastructure for Rural Productivity Enhancement Sector Project (InfRES)	ADB	The project seeks to provide infrastructure and capacity building support to farm communities.	P6,849.0 M	On-going

Annex A-3 Official Development Assistance Project Profile

Completed Programs/Projects

Name of Programs/Projects	Source of Funding	Brief Description	Amount P/S	Current Status
Second Community Irrigation Development Project	World Bank		US\$42.86 M	Completed
Philippine-Australia Special Community Assistance to SZOPAD	AusAID		A\$1.2 M	Completed
In-Country Training Programme on Project Management Techniques	New Zealand Government		NZ\$0.12/yr.	Completed
SZOPAD Rehabilitation Program	EU		EU2.0 M	Completed
Kabulnan Irrigation and Development Project (KIADP)	ADB		US\$48.0 M	Completed
Cooperative Business Development Program	CIDA		P40.7 M	Completed
Micro-Enterprise Access to Banking Services in Mindanao (MABS-M)	USAID		US\$6.3 M	Completed
Building Unity for Continuing Coconut Industry Reform	USAID		US\$0.33 M	Completed
Support Project for the Indigenous Communities and MINLF in the Zone of Peace within ARCs	IFAD/GOP		US\$0.75 M + P33.0 M	Completed
Development of Agri-Based Livelihood	UNDP/FAO		US\$0.43 M + US\$0.69 M	Completed
Emergency Livelihood Assistance Program	British Government		US\$5.0 M	Completed
Micro-Enterprise Access to Banking Services in Mindanao (MABS-M)	USAID		US\$6.3 M	Completed
Credit Union Empowering and Strengthening Growth with Equity in Mindanao (GEM1)	USAID		US\$2.7 M	Completed
Forest Sector Project	JBIC		US\$35.0 M	Completed
Environmental Infrastructure Support Credit Program	JBIC		Y9,204 M	Completed
Population and Development Planning at the Local Level	UNFPA		Y5,168 M	Completed
Agrarian Reform Infrastructure Support Project (ARISP)	JBIC	The project aims to provide communal irrigation projects, post harvest facilities and farm-to-market roads for the 87 Agrarian Reform Communities in 32 provinces nationwide.	US\$1.60 M	Completed
			Y6,150 M	On-going

Annex A-4 JICA-Assisted Projects in Mindanao
(Updated, July 15, 2003)

Project Title	Scope/Location	Sector	Assistance Scheme (Inputs)	Japanese Fiscal Year	I/A
1. Some of the completed projects					
Equipment Supply for Road Construction in Western Mindanao	Region IV (Taytay, Palawan) ARMM – (Upi, Maguindanao, Wao, Lanao del Sur, Languyan, Tawi-Tawi, Maimbung, Sulu) Region IX (Lamitan, Basilan) Region XI (T'boli, South Cotabato, Kalamansig, Sultan Kudarat)	Infrastructure	General Grant Aid program (supply of construction equipment, local training for technicians)	1998-1999	DILG
Study on Visayas and Mindanao Islands Strategic Road Network Development	All regions and provinces in Mindanao except Basilan, Sulu, Tawi-Tawi	Infrastructure	Development Study Program (study consultants, training of some counterparts in Japan)	1998-1999	DPWH
Improvement of Earthquake and Volcano Monitoring Project	Nationwide, including whole of Mindanao		General Grant Aid program (supply of equipment)	1998-1999	PhilVOLCS
Kennedy Round Two-Food Production Aid (KR2)	Nation-wide including Mindanao	Agriculture	Grant Aid for Food Production program (supply of raw fertilizer materials-commodity grant)	1998-1999	DA
Country-focused Training on Regional Development Support for Local Planning and Development Officers	Includes PPDOs in Mindanao	Education	Country-focused Training (training of provincial planners, by batches, in Japan)	1997-2001	DILG
Country-focused Training Course on Health Administration Promotion in Mindanao-SZOPAD	SZOPAD areas, including ARMM	Health	Country-Focused Training (training of health personnel and administrators in SZOPAD areas by batches in Japan)	1998-2002	DOH
2. On-going					
Training Program on Regional Development Support for Local Planning and Development Officers	Includes PPDOs in Mindanao and ARMM	Education	In-Country Training Program (training of provincial planners, by batches, in the Philippines)	1999-2001	DILG

Annex A-4 Continuation

Project Title	Scope/Location	Sector	Assistance Scheme (Inputs)	Japanese Fiscal Year	I/A
Follow-up Support Program for Ex-Participants to JICA Training in Japan, JFY 2002 (7 projects, see list below)	ARMM areas	Multi-sectoral	Follow-Up Support Program for Ex-Participants to JICA Training in Japan (training funds, supply of equipment, construction of facilities)	January-March 2003	
1 Specialized Training Course on Rice-Based Farming Systems for Farmer Leaders in ARMM		ARMM areas	Education, agriculture	PhilRICE	
2 Specialized Training Course on Rice-Based Farming Systems for Agricultural Technologists of ARMM		ARMM areas	Education, agriculture		
3 Strategic Program for Sustainable Development of the Marine Environment in Tawi-Tawi		ARMM (Bongao, Tawi-Tawi)	Supply of marine equipment		
3. Pipeline					
Comprehensive Basic Survey of ARMM	ARMM provinces and municipalities including Basilan province and Marawi city	Education, multi-sectoral	Local Development Study program (local study experts)	August-October 2003 (tentative)	JICA

Annex A-5 Official Development Assistance Project Profile

Pipeline

Program/Project	Source	Description	US\$M	Status
Construction Equipment Supply for the Construction and Improvement of Road Network in ARMM	Japan-JICA	- Infrastructure - LGU-ARMM Gov't. - GGAP: Provision of road construction equipment to 6 Engineering Districts and 6 area Equipment Services in ARMM Provinces	Grant – 5.61	ICC-CC level. Referred to DBM to confirm budget availability for GOP counterpart 98/28/02; NEDA comments conveyed to Gov. Hussin on Sept. 25, 2002; awaiting ARMM feedback
Groundwater Development/Rural Water Supply Project in ARMM	Japan-JICA	- Infrastructure - LGU-ARMM Gov't - The project shall provide machineries, equipment, tools and accessories to the engineerings in ARMM. The machineries and equipment provisions shall include 2 types of truck mounted drilling RIG capable of drilling water well to a depth of 300 meters.	Grant – 4.36	- NEDA Secretariat level. Under NEDA Secretariat review; referred to DBM (12/8/02) to confirm budget availability for GOP counterpart. - ARMM needs to address following issues: cost-efficiency of purchasing the equipment should be established, maintenance mechanism should be clarified, and availability/sustainability of groundwater source should be clarified.
Rural Development Pilot Project for Muslim Mindanao Peace Promotion	Japan-JICA	- Agriculture, Agrarian Reform and Natural Resources - DA-NIA - The major components of the project are irrigation system (2 diversion dams, 2 canal systems); farm roads (new construction-4,500; rehabilitation (7,100 M). The target beneficial area is about 3,500 hectares situated in the alluvial deposits of the Raman River comprising municipalities of Bubong, Ditsa Raman, Buadi Buntong in the province of Lanao del Sur	Grant – 6.15	- Approved by NED/ICC/NEDA Board - GOJ evaluation (as conveyed on Oct.18, 2001) – Low probability of extending assistance in FY 2002 because of GOJ concern about security situation in Mindanao - GOJ is prepared to reconsider the project given current donor interest in ARMM.
Emergency Assistance in Support to the Returnees from Sabah, Malaysia	UN System-FAO Technical Cooperation Program	- Agriculture, Agrarian Reform and Natural Resources - DA - Provision of basic agri-fishery to 1,020 household returnees in Tawi-Tawi	Grant – 0.40	- Approved by NEDA/ICC/NEDA Board - The NEDA Secretariat is awaiting approval of the project by FAO on Jan.29, 2003

Annex A-5 Continuation

Program/Project	Source	Description	US\$M	Status
Environmental Protection in Support to Sustainable Livelihood Component in Lake Lanao	UN System-FAO Technical Cooperation Program	- Agriculture, Agrarian Reform and Natural Resources - DENR - The project will support the Sustainable Livelihood Component of the GOP-UN MDP3. It will focus on areas where there are critical environmental issues such as unsustainable management of over exploitation of natural resources	Grant – 0.74	- Approved by NEDA/ICC/NEDA Board - The NEDA Secretariat is awaiting approval of the project by FAO on Feb. 7, 2003
ARMM Social Fund Project (ASFP)			Php 1,000,000	
1. Community Development Assistance	ASFP-CFMO	ARMM Municipalities		
2. Strategic Regional Infrastructure Construction of	ASFP-CFMO	Maguindanao – D.O.S		
- RESWAD	ASFP-CFMO	Maguindanao – Buluan	Php 200,000	
- Rehabilitation of Buluan District Hospital	ASFP-CFMO	Maguindanao – Upi		
- Rehabilitation of Datu Blah Sinsuat District Hospital	ASFP-CFMO	Basilan – Lamitan		
- Rehabilitation of Lamitan District Hospital	ASFP-CFMO	Sulu – Pangutaran		
- Rehabilitation of Pangutaran District Hospital	ASFP-CFMO	Maguindanao – Sultan Kudarat		
- Construction of RMTTC	ASFP-CFMO	Maguindanao – D.O.S.		
- Construction of TTC	ASFP-CFMO	Maguindanao – D.O.S.		
- Construction of PMTC	ASFP-CFMO	Maguindanao – D.O.S.		
- Rehabilitation of Jolo Port	ASFP-CFMO			
- Expansion of Bongao Port	ASFP-CFMO			
3. Institutional Strengthening and Governance				
	ASFP-CFMO	Sulu – Jolo		
	ASFP-CFMO	Tawi-Tawi – Bongao		
	ASFP-CFMO	ARMM Gov't. LGUs, POs		

Annex A-5 Continuation

Program/Project	Source	Description	US\$M	Status
II. Awang (Jct. Awang-Upi-Lebak-Kalamansig) Road	JBIC	- Maguindano – Upi - ARMG Gov't., LGUs, POs	Php 3,082,000	
III. Basilan Circumferential Road (86.2 kms)	Saudi Fund	- Basilan - ARMG Gov't., LGUs, POs	Php 870,000	
IV. Cotabato East Diversion Road	Saudi Fund	Maguindano – Sultan Kudarat, DOS	Php 762,000	
V. Lake Lanao Circumferential Road	Saudi Fund	- Lanao del Sur - ARMG Gov't., LGUs, POs	Php 773,230	
VI. GEM-USAID Mid Scale Infrastructure Program				
a. Sitio Sarmiento Bridge	GEM-USAID	- Maguindano – Barrio Sarmiento, Matanog 18,500 population - Start August 2003	Php 13,700	
b. Maluso Port Improvement	GEM-USAID	- Basilan – Gaunan, Maluso 30,000 pax/month - Start October 2003	Php 44,600	
c. Bongao Port Improvement	GEM-USAID	- Tawi-Tawi – Bongao 36,500 pax/month - Start September 2003	Php 35,400	
d. Siasi Port Improvement	GEM-USAID	- Sulu – Siasi 22,410 pax/month - Start January 2004	Php 37,000	
e. Lamitan Ro-Ro Ramp	GEM-USAID	- Basilan – Lamitan 37,358 pax/month - Start December 2003	Php 18,000	
VII. Advisory Technical Assistance Project (ADTAP) Regional CB & Governance Program for Expanded ARMM	ADB	ARMG Gov't.	Php 30,000	
VIII. Project Development and Monitoring Fund (PDMF)	ODA/NEDA	ARMG Gov't.	Php 1,200	
IX. Third Airport Project	ADB	- Maguindano – DOS - Tawi-tawi – Bongao	Php 302,000	

ANNEX B
LAND SUSTAINABILITY, PRODUCTION
AND PROTECTION LAND DECISION ZONES,
BY MUNICIPALITY

Annex B-1 Maguindanao: The Land Area of Municipality

Municipality	Area (Ha)	% Distribution
1. Ampatua	50,670	9.34
2. Barira	16,850	3.10
3. Buldon	47,940	8.84
4. Buluan	34,330	6.33
5. Datu Odin Sinsuat	46,180	8.51
6. Datu Panglas	13,210	2.43
7. Datu Piang	17,280	3.19
8. Kabuntalan	22,330	4.12
9. Mamasapano	@	@
10. Matanog	14,650	2.70
11. Pagagawan	@	@
12. Pagalungan	43,650	7.95
13. Parang	22,980	4.24
14. Salipada K. Pindatun	26,690	4.90
15. Sharif Aguak	18,750	3.46
16. South Upi	23,520	4.34
17. Sultan Kudarat	58,300	10.76
18. Sultan sa Barongis	12,930	2.38
19. Talayan	25,550	4.71
20. Talitay	@	@
21. Upi	47,220	8.70
22. Panglat	7,753	@
TOTAL	542,350	100.00

@: Land areas for these municipalities are not yet determined.

Source: Provincial Socio-Economic Profile

The land classification and respective distribution is show as follows:

Land Classification	Area (Ha)	% Distribution
Agricultural Land	248,153	45.66
Forest Land	123,425	22.67
Pasture Land	85,448	15.67
Marshes/Lakes	61,088	11.55
Built-up Areas	1,736	0.32
Others	22,680	4.13
TOTAL	542,530	100.00

**Annex B-2 Lanao Del Sur: The Land Area by Sustainability Categories,
by Municipality**

Municipality	Sustain-Able (Ha)	Over-Used (Ha)	Under-Used (Ha)
Bacolod Kalalwi	277.5	-	-
Balabagan	-	1235.0	6567.5
Balindong	600.0	765.0	1400.0
Bayang	390.0	1062.5	3947.5
Binidayang	320.0	1092.5	3222.5
Buadipuso Buntong	27.2	-	1777.5
Bubong	565.0	-	16575.0
Bumbaran	-	-	5235.0
Butig	402.5	1025.0	2605.0
Calanogas	-	-	7280.0
Ganassi	-	110.0	2362.5
Kapai	-	567.5	12855.0
Kapatagan	-	542.5	6980.0
Lumba Bayabao	1885.0	-	1097.5
Lumbatan	437.5	1752.5	1040.0
Lumbayanague	527.5	885.0	1352.5
Madalum	552.5	32.0	-
Madamba	1100.0	1390.0	645.0
Maguing	-	-	13595.0
Malabang	1210.0	1972.5	5720.0
Marantao	1592.5	1755.0	-
Marogong	-	-	4339.5
Masiu	1402.5	57.5	100.0
Mulondo	322.5	-	957.5
Payawan	-	-	4920.0
Piagapo	832.5	4815.0	390.0
Poona-Bayabao	1217.5	-	30.0
Pualas	-	547.5	1320.0
Ramain Ditsaan	2195.0	-	1055.0
Saguiaran	680.0	1532.2	1047.5
SultanGumander	587.5	330.0	3857.5
Tagoloan	-960.0	2862.5	16250.0
Tamparan	842.5	-	-
Taraka	-	-	22.5
Tuburan	375.0	-	3085.0
Tugaya	177.5	-	817.5
Wao	-	-	14400.0
Sultan Domalondong	-	-	-
Marawi City	1590.0	1212.5	2145.0
TOTAL	21070.0	25545.0	148994.5

Protection Land, by Municipality are as follows:

Municipality	Nipas (Ha)	Non-Nipas (Ha)	Severe Erosion Area (Ha)	Npaa (Ha)
Bacolod Kalalwi	250.0	32.0	717.5	-
Balabagan	-	472.5	-	-
Balindong	15.0	-	255.0	-
Bayang	-	15.0	-	-
Binidayan	-	255.0	-	-
Buadipuso Buntong	12.5	65.0	657.5	27.5
Bubong	5332.5	-	1780.0	-
Bumbaran	6107.5	1005.0	3102.5	-
Butig	5432.5	3097.5	2712.5	402.5
Calanogas	-	1147.5	23472.5	-
Ganassi	-	1555.0	-	-
Kapai	-	500.0	1515.0	-
Kapatagan	-	237.5	-	-
Lumba Bayabao	46802.5	1050.0	3737.5	1885.0
Lumbatan	-	-	-	175.0
Lumbayanague	-	380.0	-	205.0
Madalum	1627.5	-	835.0	-
Madamba	2357.5	-	495.0	-
Maguing	9924.0	367.5	175.0	910.0
Malabang	-	785.0	190.0	-
Marantao	-	-	-52.5	-
Marogong	-	8025.0	1420.0	-
Masiu	2000.0	-	-	1402.5
Mulondo	-	37.5	67.5	322.5
Payawan	-	515.0	-	-
Piagapo	172.5	572.5	1142.5	-
Poona-Bayabao	-	-	1217.5	-
Pualas	15.0	3672.5	165.0	-
Ramain Ditsaan	-	90.0	-	2195.0
Saguiaran	-	50.0	125.0	-
SultanGumander	-	315.0	3765.0	-
Tagoloan	-	1327.5	1260.0	-
Tamparan	-	-	-	960.0
Taraka	-	942.5	-	842.5
Tuburan	-	547.5	-	-
Tugaya	17.5	-	882.5	-
Wao	1872.5	10.0	6615.0	177.5
Sultan Domalondong	-	-	-	-
Marawi City	-	77.5	160.0	357.5
TOTAL	81939.0	27147.5	35477.5	44432.5

Decision Zones, both Alienable and Disposal and Protected

Land Category And Protected Land	Description/Details
Production Forest	Some production forest areas are already cultivated as agricultural land. This occurs mostly in the municipalities of Manguing, Bumbaran, Wao, Butig, Marogong, Tubaran and Lumbayanague. Severe soil erosion area occurring in production forest areas more particularly in the municipalities of Togoloan, Bubong, Manguing, Bumbaran, Wao, Butig, Tubaran and Sultan Gumander.
Alienable and Disposal Land	Some alienable and disposable land is still covered with virgin forests. This situation occurs mostly in the municipalities of Kupai, Tagoloan, Ganassi, Bindayan, Bayang and Lumbatan Some alienable and disposable land is also located in slope above 50 percent. This situation occurs in the municipalities of LumbaBayabao, Piagapo and Calanogas where severe erosion occurs
NPAA/NAAD Areas	The land requirement for growing urban centers impacts directly on NPAA highly restricted agricultural areas. These are the situation in the municipalities of Bubong, Butig, Lumbatan, Manguing, Marantao, Masiu, Mulondo, Poona Bayabao, Ramaibn Ditsaan, Tampara, Taraka and Marawi City
Over-Used (Not Sustainable) Production Land	These occurs in areas where the land use is much more intense than the sustainability capacity of the land. This situation can be found in the municipalities of Bacolod Kalawi, Balabagan, Balindong, Binidayan, Butig, Ganassi, Kapai, Kapatagan, Lumbatan, Lumbayanague, Madalum, Madamba, Malabang, Marantao, Pagayawan, Piagapo, Pualas, Saguieran, Sultan Gumander, Tagoloan and Marawi City.
Lake Lanao Watershed	As delineated in the Lake Lanao watershed map, all of the municipalities along the lake area are considered as part of the watershed area. However, most of the urban centers in the province are found in this area. Some areas have earlier been declared as A & D land. Severe erosion also occurs in the municipalities of Lumba Bayabao, particularly along Lake Putian and on the boundary with Cotabato province Some areas of the watershed which fall on forest land and cultivated as agricultural land more particularly in the municipalities of Manguing, Lumba. Bayabao, Butig, Piagapo, Bacolod Kalawi, Madlum and Madamba
Lake Dapao National Park	The shorelines and buffer zones of the lake are cultivated as agricultural land. Furthermore, the mountains surrounding the lake are also logged-over areas subjected to severe erosion
Severely Eroded Areas in Non-NIPAS Areas (Lumba Bayabao, Butig)	These are areas above 1,000 meters which are either cultivated as agricultural land or other areas. In addition, the areas border the Lake Lanao watershed.
Severely Eroded Areas in Forest Land (Manguing, Bumbaran, Wao, Marogong, Sultan Gumander, Calanogas, Madalum, Bacolod Kalawi, Piagapo)	These areas are forestlands that are cultivated by upland dwellers and planting crops which require intense cultivation such as corn and upland rice. Some of these areas are also located in slopes above 30%, which subject them to severe erosion.
Severely Eroded Areas in Alienable and Disposal land (Kapai, Tagoloan, Wao, Sultan Gumander, Calanogas, Bacolod Kalawi and Tugaya)	These are areas cultivated unsustainable for a long period already. In addition, some of these areas are located 1,000 meters above sea level that should have been declared as protected areas under the NIPAS Law.

Some Definitions

Sustainable Land Use. Those utilized continuously at the same level of productivity without deteriorating.

Area with Development Opportunity. These are land located in areas considered under used, that is, they are less utilized and could be continuously made productive without diminishing its soil quality/productivity.

Over-Used Land. Land categorized as not sustainable, the quality of which cannot sustain long-term production.

Protection Land. Land with unique physical and biological properties and capable of enhancing bio diversity. It thus has to be protected against destruction.

Environmentally Constrained Areas. These are those that are prone to natural hazards, such as earthquakes, floods, volcanic eruptions, etc. This also include such land as the Network of Protected Agricultural Areas (NPAA), the Network of Areas for Agricultural Development (NAAD) and the National Integrated Protected Area with its seven categories, to wit:

1. Strict Nature Preserve
2. National Park
3. Wildlife Sanctuary
4. Protected Landscape and Seascape
5. Resource Reserve
6. National Biotic Area
7. Other categories established by law, convention or international agreement to which the country is a signatory.

Decision Zone. Land where actual land use is in conflict with the designated function of the area. Thus, there are *Production Land Decision Zone* and *Protection Land Decision Zone*, i.e., protected areas that are utilized for purposes other than they are intended, largely due to human encroachment.

Annex B-3 Basilan: Area of Land Use Sustainability by Municipality

Municipality	Sustainable (Ha)	Over-Used (Ha)	Under-Used (Ha)
Isabela City *	5785.8	3621.2	6641.8
Lamitan	7223.3	3121.0	10107.7
Tuburan	4199.9	1032.5	4671.0
Tipo-Tipo	8034.0	3864.0	3650.4
Sumisip	10832.3	7878.6	3592.6
Maluso	3558.1	1747.9	115.4
Lantawan	6963.2	2712.5	369.8
T O T A L	46596.6	23977.7	29148.7

* NOTE: Inhabitants of the City opted not to join the Autonomous Region.

Production Land Decision Zones

Land Use Category	Description			
	Actual Use	Suitable Use	Extent of Misuse (Ha)	
			Within A&D	Within Forest
Under Used Land	Perennial & Vine Crop	Cultivated Annual Crops	20166.2	-
	Non-Forest (agriculture)	Cultivated Annual Crops	-	1218.0
	Production Forest (Native Species)	Forestry Plantation (Exotic Species)	2397.5	2070.0
	Production Forest	Perennial Tree & Vine Crops	52.5	560.0
	Shrubs and Grassland	Cultivated Annual Crops	217.5	-
	Shrubs and Grassland	Forestry Plantation	222.5	1140.5
	Shrubs and Grassland	Perennial Tree & Vine Crops	790.0	257.5
	Shrubs and Grassland	Cultivated Annual Crops	67.5	-
Over Used Land	Perennial Tree & Vine Crops	Forestry Plantation (Exotic Species)	14572.9	-
	Perennial Tree & Vine Crops	Production Forest (Native)	847.5	-
	Non-Forest (Agriculture)	Forestry Plantation	-	4138.6
	Non-Forest (Agriculture)	Production Forest	-	230.0
	Perennial Tree & Vine Crops	Not Suitable for any of the Above Land Uses	4188.7	-
T O T A L			19609.1	9614.6

Protection Land Decision Zones

Land Use Category	Description		Extent of Misuse (Ha)	
	Actual Use	Designated Use	Within A&D	Within Forest
NIPAS				
National Park	Non-Forest (Agriculture	Forestry Plantation (Exotic Species)	-	595.0
	Shrub & Grassland	Forestry Plantation	-	517.5
	Shrub & Grassland	Production Forest	-	1732.5
Non-NIPAS				
Mangrove Forest	Brackish Water Fishpond	Production Forest	-	2505.0
Severe Soil Erosion	Perennial Tree & Vine Crops	Production Forest	5100.0	-
	Shrub & Grassland	Production Forest	390.0	1210.0
	Non-Forest (Agriculture	Production Forest	-	7180.0
River Bank Soil Erosion	Perennial Tree & Vine Crops	Production Forest	357.5	-
River Buster Strips	Perennial Tree & Vine Crops	Cultivated Annual Crops	2.3	-
	Perennial Tree & Vine Crops	Forestry Plantation	5.1	-
	Non-Forest (Agriculture)	Forestry Plantation	-	7.4
	Perennial Tree & Vine Crops	Irrigated Rice	0.9	-
	Perennial Tree & Vine Crops	Not Suited for Any of the Above Uses	0.2	
NPAA/ NAAD Highly Restricted Agricultural Land	Perennial Tree & Vine Crops	Irrigated Rice	1322.5	

Annex B-4 Sulu: Land Area by Sustainability Classification

Classification	Area (Ha)	Municipalities
Sustainable	9,937	Except Jolo, Panglima Tahil, tapul & Pangutaran
Of Which	2,035	Is in Talipao Municipality
Under Used (Development Opportunity) Land	122,681	Except the Capitol Town of Jolo
Of Which	18,814.5	Is in Pangutaran Town
Over Used Land	1,460	Found in 10 Municipalities
Of Which	427	Is in Pandami Municipality
NIPAS Areas	182.5	Undetermined
Non-NIPAS Areas	172.5	Undetermined

Annex B-5 Tawi-Tawi: Land Sustainability Category, by Municipality

Municipality	Sustainable (Ha)	Over-Used (Ha)	Under-Use (Ha)
Bongao	4460	863	5970
Panglima Sugala	8700	143	14203
Tandubas	2408	63	1781
Sitangkai	12566	-	-
Simunul	4898	113	-
Sapa-Sapa	1030	-	12074
South Ubian	1653	87.5	374
Languyan	3748	819	14916
Mapun	3526	700	786
Turtle Island	-	-	-
TOTAL	42989	2788.5	50104

Production Land Decision Zones by Municipality

Municipality	Under-Used (Ha)	Over-Used (Ha)
Bongao	5970	863
Languyan	14916	819
Mapun	786	700
Panglima Sugala	14203	143
Sapa-Sapa	12074	-
Simunul	-	113
Sitangkai	-	-
South Ubian	374	87
Tandubas	1781	63
Turtle Island	-	-
TOTAL	50104	2589

On the other hand, the Protection Land Decision Zones by category are:

Land Use Category	Description/Details
1. NIPAS	1. Turtle Islands: use as fishing ground – designated marine sanctuary; rampant illegal fishing activities noted 2. Bud Bongao, Bud Kabuggan, Sibutu Hill and Thumbhill; use as production forest; designated wildlife sanctuary, holy shrine and second growth forest; illegal forest activities and excessive human intrusion. 3. Coral reefs: fishing area and mari-culture; designated fish and marine sanctuary; illegal fishing and marine activities 4. Residual forest: use as production forest and cultivated crops; designated as watershed area and wildlife sanctuary; illegal cutting of forest products and excessive human intrusion 5. Coastal/Beach Sand: natural park and recreation area; designated as natural resource reserve and protected seascapes; excessive hauling of sand and coral finger
2. NON-NIPAS	1. Areas with slow > than 50%; use as production forest and cultivated annual crops; designated as wildlife sanctuary; subjected to illegal forest activities and excessive human intrusion 2. Mangrove forest: use as fuel wood and tan bark; designated as marine sanctuary and mangrove reserve; excessive cutting of fuel-wood/tan bark and human intrusion 3. Lakes/Inland Water Bodies: use as natural park and recreation area; designated as potential for tourism and marine and wildlife sanctuary; excessive human intrusion and illegal marine activities.

ANNEX C

LAND BANK OF THE PHILIPPINES
COOPERATIVE ACCREDITATION CRITERIA AND
COOPERATIVE CLASSIFICATION

Annex C Cooperative Accreditation Criteria

A. Pre-qualification Requirements for Newly-Accessing Cooperatives

Basic Requirements	Rationale
1. CDA Requirements - Articles of Cooperation and By-Laws - Dully organized set of BOD and Committees (I.e. Audit, Credit, Election, and Education & Training) - Certificate of good standing 2. Membership of at least 60	As a matter of policy, LANDBANK may transact business only with organizations having juridical personality. For registration purposes, RA No. 6933 requires 15 members and P2,000 paid-up share capital for a cooperative. Such registration will enable the newly-formed cooperative to acquire juridical peronality, engage in the initial business of firming up the organizations, and mobilizing savings among its members. These registration requirements, however, cannot be taken to mean as an indications of the ability to access loans from financing institution. LANDBANK's study (Co-op Model) shows a threshold level of more than 50 members and a paid-up capital of P30,000 in initially give a new cooperative some leverage to carry-out Bank assisted projects, e.g., crop/livestock production. For purposes of initial loan availment with LANDBANK, a minimum of 60 members may be considered acceptable.
3. Minimum paid-up share capital of P30,000 4. All members have undergone PMES 5. Updated and audited financial statements 6. Core-Management Team - qualified, duly designated part-full-time Manager, bonded part/full-time Cashier/Treasurer and full-time Bookkeeper	- To make members aware of their duties and responsibility, as well as the benefits that can be derived from the cooperative. - To instill proper accountability and provide information on the financial condition of accessing cooperatives and help determine loan absorptive capacity. - To equip cooperatives the necessary competence to conduct business.

Equivalent Points for BAC Indicators
(where ratio and proportion is not applicable)

Indicators	BAC Feature/Allocated Point			
	Minimum (Class D)	Class C	Class B	Standard (Class A)
LEADERSHIP & MANAGEMENT				
- Core Management Team (COMAT)	Complete COMAT (.75)	Complete COMAT with full-time Bookkeeper and Manager (1.5)	All COMAT are full-time (2.25)	Full-time COMAT; with back-up to the Manager and Bookkeeper (3)
- Co-op policies, systems and procedures (P&P)	Basic/installed policies on records-keeping, savings and credit (2)	Minimum plus installed/operational policies on membership, capital build-up, accounting and budgeting (4)	Minimum plus/installed operational policies on membership, capital build-up accounting, budgeting, CASA, individual business operations, auditing, and personnel matters (6)	Minimum plus installed/operational policies on membership, capital build-up accounting, budgeting, CASA individual business operations, auditing, personnel general administrative matters, and funds management (8)
- Plans and Programs	Basic/written plans and programs, including business plans for projects being financed (.75)	With written/operational one-year plan, including business plans for projects being financed (1.5)	Written/operational medium-term plan (2-3 years); with business and operational/action plans (2.25)	Written/operational and continuously refined long-term plan (more than 3 years); with business and action plans and initial budget (3)
- Internal Preference Review	At least monthly review by the BOD; more on financial aspect (.75)	Monthly review by BOD, more on financial/management aspects (1.5)	Comprehensive monthly review by the BOD of financial/management aspects (2.25)	Comprehensive monthly review by the BOD and regular review by management & committees of other operations (3)
BOOKS OF ACCOUNTS	With installed general ledger and journals; depending on co-op business, shall include general, cash receipt and disbursement, and sales and purchase journals (1.6)	Updated required journals, monthly updated general ledgers, and sub-sidiary ledgers (3.0)	Updated required journals, monthly updated general ledgers, and sub-sidiary ledgers plus individual journals for each project/operation (4.6)	Computerized books of accounts (6)
BUSINESS OPERATIONS				
- Livelihood/Enterprise	Mostly relending for crop production (.75)	Relending and minimal marketing (1.5)	Less relending, diversified production, expanding marketing & some processing (2.25)	Highly diversified/specialized mix of production, processing and marketing (3)
- Providential Services	With initiative to start-up (.75)	Mostly emergency loans/assistance to members (1.6)	Expanded assistance to member; some efforts to extend community service (2.25)	Institutionalized providential services and built-in community service (3)
AFFILIATION ON FEDERATION/CLUSTER/CHAMBER/ORGANIZATION	With demonstrable efforts/willingness to be a member of a co-op organization (1.5)	Active member of municipal-based organization (1.5)	Active member of provincial-based organization (2.25)	Active member of region/national-based organization

Indicators	Maximum Point	Minimum Point	Actual Feature	Calculation of Scores	Points Earned
1. BUSINESS OPERATIONS	(6)				
a. Livelihood/Enterprise	3	0.75	Relending to members for the production of palay/com	Designated score	0.75
b. Providential Services	3	0.75	No service provided, but BOD on educational loan	Designated score	0.75
2. FINANCIAL PERFORMANCE	(90)				
a. Repayment of LANDBANK obligations	12	3	With 98.7% repayment rate	Ratio and Proportion	10.03
b. Profitability	5	1.25	Exactly breakeven in operations	Ratio and Proportion	1.25
c. Debt-Equity Ratio	8	2	With exactly 5.1 DE	Ratio and Proportion	8.6
d. Liquidity Ratio (CR)	5	1.25	With current ratio of 4.9;1	Ratio and Proportion	6
3. AFFILIATION IN FEDERATION/CLUSTER/CHAMBER/ORGANIZATION	9	0.75	Not affiliated, but working to become member of municipal-	Designated score	0.75
TOTAL SCORE	100	25			43.47

- BAC Classes by Maturity Level

The overall BAC class shall be determined based on its total score (discussed in detail under item D). The following rating categories shall be used to determine this:

Fail	-	Below 25 points
Class D	-	25 points to below 45 points
Class C	-	45 points to below 65 points
Class B	-	65 points to below 65 points
Class A	-	85 points to 100 points

25 points is used as the lower limit since a BAC attaining exactly the minimum requirements for each indicator shall receive this score. On the other hand, a BAC attaining all standard requirements shall receive a maximum of 100 points.

- Categorization Methodology

1. Sources of Data/Information. Primarily, information needed for categorizing BACs shall be sourced from the following:

- a) BAC's Loan Forder;
- b) Existing LANDBANK BAC database;
- c) Records from the Cooperative Development Authority;
- d) BAC records, reports like FS, minutes of meetings, etc.;
- e) BAC certification; among others.

2. Scoring. The scoring worksheet (SW) shall be used as "working document" in determining BAC class level, i.e., A, B, C, D or Fail. With the worksheet, calculation of total score is facilitated since it guides the rater through the different steps involved.

ANNEX D
ACTION PLAN FOR BFAR 2003

Annex D Action Plan of BFAR in 2003

Programs/Projects	Indicator	Physical Target	Budgetary Requirements (P'000)
Sustainable Aquaculture and Inland Fisheries			
1. Establishment of demo farms for rice shrimp culture, rice-fish culture, and mud crab culture	- rice shrimp culture farms established/area covered - rice-fish culture farms established/area covered - no. of units established - no. of units established - no. of fingerlings produced - no. of fingerlings dispersed - no. of LGUs served - no. of fishfarmers served	2/05 ha 2/05 ha 2 12 1M 1M 8 20	200 200 40 2,400 400
2. Establishment of sea cage farming project			
3. Freshwater seed production			
4. Stocking of fingerlings in inland bodies of water	- no. of communal waters stocked - no. of fingerlings stocked	6 4M	2,000
5. Rehabilitation/maintenance of fish farms and demo farms	no. of demo farms/fish farms rehabilitated/maintained	5	1,000
Fisheries Resource Management			
1. Conduct of coastal resources inventory/assessment	- No. of CRI conducted - No. of monitoring/assessment conducted	4 4	600
2. Monitoring of fish sanctuaries and artificial reefs/fish refuge	- No. of fish sanctuaries identified - No. of artificial reef modules monitored	4 8	100 200
3. Monitoring, control and surveillance	- No. of field evaluation undertaken - No. of field operation conducted	12 12	200 200
4. Law enforcement	No. of Municipal Fishery Ordinance (MFO) enacted/assisted	8	100
5. Establishment of demonstration project on friendly fishing gears	- No. of fish shelter established - No. of cooperators - No. of LGUs served	6 6 6	600
6. Deputation of fish wardens	- No. of fish warden deputized - No. of apprehensions made on fishery law violation - No. of foot and seaborne patrol	60 6 48	120 250

Fisheries Post-Harvesting, Marketing and Infrastructure				
1. Establishment of seaweeds stilt dryers	No. of stilt dryers established	15		1,000
	No. of cooperators served	15		900
2. Promotion of value-added products	No. of value-added products developed	2		100
3. Monitoring and inspection of processing plants	No. of fish mini-processing plants monitored/inspected	8		100
Fisheries Training and Extension Services				
1. Conduct of trainings on - aquaculture - coastal resource management - post-harvest - law enforcement - other aspects of fisheries	- no. of trainings conducted - no. of trainings conducted - no. of trainings conducted - no. of trainings conducted - no. of trainings conducted	3 2 2 2 1		225 150 150 100 75
2. Conduct technical assistance and advisory services on - aquaculture - municipal fishing - commercial fishing - post-harvest - other aspects of fisheries	- no. of TA rendered/beneficiaries - no. of TA rendered/beneficiaries - no. of TA rendered/beneficiaries - no. of TA rendered/beneficiaries - no. of TA rendered/beneficiaries	15,000/14,500 6,000/6,000 500/200 50/50 100/100		500 1,000 900 100 100
Research and Development				
1. Conduct of research and development activities	No. of R&D projects conducted - Aquaculture - Municipal - Commercial - Post-harvest	1 1 1 1		300 200 200 200
2. Proper monitoring and evaluation	- No. of research projects monitored/evaluated - No. of outreach projects monitored/evaluated	4 4		200 200
3. National Stock Assessment Program	No. of landing centers surveyed	8		3,446

ANNEX E

***DAF PROPOSAL FOR THE ESTABLISHMENT
OF A REGIONAL TRAINING CENTER
FOR EXTENSION WORKER***

**Annex E DAF Proposal for the Establishment of a Regional Training Center for
Extension Worker**

I. Project Title ***INFRASTRUCTURE PROJECT ON THE ESTABLISHMENT
CONSTRUCTION OF TRAINING CENTER, AGRICULTURAL
LABORATORY AND DORMITORY BUILDING.***

II. Proponent Department of Agriculture & Fisheries-Autonomous Region in
Muslim Mindanao Integrated Agricultural Research Center,
Central Experiment Station, Simuay, Sultan Kudarat,
Maguindanao (ARMMLARC).

Contact Person: NASAR A. SALMANI
Regional Secretary

DAUD K. LAGASI
Center Manager

III. Total Project cost *US \$ 521,886.15 (P 27,138, 079.82)*

IV. Source of Funding Japan International Cooperation Agency (JICA)

V. Project Description

A. Rationale:

Japan-Philippines partnership contributed various aspects of development especially in the coming in of Japan International Cooperation Agency (JICA). Many infrastructures were established in the Philippine archipelago which contributed to the physical development of different Centers/Stations of the country improving the standard living of the Filipino Farmers & Fisherfolks region wide. Except Autonomous Region in Muslim Mindanao. Understandably, ARMM has been neglected for many decade wherein poverty is a major problem existing in region as resulted to malnutrition and other difficulties suffered by the resident.

Under R.A # 9054 known as the Expanded Autonomy Act as a result of the plebiscite conducted last August 14, 2001, the ARMM covers the City of Marawi, Provinces of Basilan, Sulu, Tawi-Tawi, Lanao del Sur and Maguindanao. ARMM is one of the biggest regions in the country. Which was abandoned by the national government for quite decades.



The region is noted for its rich & wide fishing grounds and marine resources as well as available land which are devoted to agricultural crops for industrial and commercial uses. Its major agricultural crops are: Rice, Corn, Fruits Crops, Rootcrops, Livestock and Fisheries. However, national government did not tap the natural resources existing in the region for development and to alleviate poverty, improve health & nutrition, improve level of education and R&D capacity in the region this project is proposed.

B. Objectives:

General:

To provide Training Center, Agricultural Laboratories and dormitory Building for the ARMMIARC Central Experiment Station at Simuay, Sultan Kudarat, Maguindanao.

Specific:

1. To provide learning Center for the researchers & extensionists of the ARMM and other adjacent regions;
2. To improve skills & knowledge of the researchers & extensionists of the ARMM & its adjacent areas.

C. Expected Output

The moment that these projects will be implemented/materialized surely it shall give more assistance to the constituents of the ARMM and the country as well.

The farming and fishing communities shall be directly benefited upon the full implementation of the project since technology transfer and other applied technical knowledge shall be taking place in the training center. It improve level of education, health & nutrition of ARMM constituents need particularly farmers/fisher folks.

Training Center Building

Work Description	Construction Estimate
1. General Requirements	52,000.00
2. Site Works	14,976.00
3. Concentrate Works	80,600.00
4. Masonry Works/Wall Finishes	70,000.00
5. Floor Finishes	56,160.00
6. Doors/Windows	23,400.00
7. Glass/Glazing	19,500.00
8. Steel Works	54,600.00
9. Roofing	58,500.00
10. Plumbing	39,325.00
11. Electrical Works	41,055.00
12. Planting Works	62,400.00
13. Materials	572,516.00
14. Equipment, Labor (35%)	200,380.60
15. V.A.T. (10%)	20,038.06
16. Total Direct Cost	792,934.66
17. OCM, Profit. Mob. (28%)	222,021.70
18. Total Estimated Cost	1,014,956.36
19. I Unit 4 x 4 Vehicles	1,000,000.00
TOTAL	2,014,956.36

D. Impact

1. It contributes to the greater development of the expanded ARMM;
2. It provides conducive learning center for the researchers & extensionists of the region as well as in the R&D community;
3. It serves as a source of information Technology for the benefit of the Filipino Farmers & Fisherfolks, and;
4. Above all, it will help improve the living condition of our clientele.

❖ Schedule of Activities

Activity	Jan	Feb.	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1. Construction of Training Center Building						→						
2. Construction of Dormitory Building at 200 square meters area								→				
3. Construction of Agricultural Laboratory												→

Dormitory Building (200.00 Square Meters)

Work Description	Construction Estimate
1. General Requirements	182,000.00
2. Site Works	44,200.00
3. Concrete Works	117,000.00
4. Masonry Works/Wall Finishes	364,000.00
5. Architectural Carpentry	143,000.00
6. Dry Wall Construction	84,500.00
7. Floor Finishes	136,500.00
8. Doors & Windows	166,400.00
9. Ceiling Works	158,600.00
10. Roofing Works	244,400.00
11. Glass and Glazing	78,000.00
12. Plumbing Works	97,500.00
13. Electrical Works	162,500.00
14. Painting Narnishing Works	626,600.00
15. Materials	2,605,200.00
16. Equipments, Labor (35%)	911,820.00
17. V.A.T. (10%)	91,182.00
18. Total Direct Cost	3,608,202.00
19. OCM, Profit, Mob. (28%)	1,010,296.50
20. Total Estimated Cost	618,498.50

CAPSULE PROJECT PROPOSAL

Date of Entry : May 8, 2003

Applicant : Department of Agriculture,
Autonomous Region in Muslim Mindanao

Project Title : **CPAR-Autonomous Region in Muslim Mindanao
Integrated Agricultural Research Center – Local
Government Units AS strategy for Accelerating
Technology Transfer:**

Implementing Agency : **DA-BAR-ARMMIARC**
Address : Simuay, Sultan Kudarat, Maguindanao
Contact Person : **DAUD K. LAGASI**
Designation : Center Manager
Tel. Number : (064)429-00-61/00-62
Fax Number : (064)421-12-34
E-mail Address : da-armmiarc@yahoo.com
Duration : 2003-2006

II. Background

The Autonomous Region in Muslim Mindanao is rich with natural resources. If properly utilized, this would greatly support the thrust of our government on food security. The region has total land area of 1,1163,009.00 hectares. It is blessed with abundant year round rainfall and is sheltered among the country's typhoon free zone. These factors allow year round production of a wide variety of crops bringing the region as one of the major producers of agricultural products like rice, corn, coconut, fruits crops & others which contributes a major share in both domestic and national products. Yet, despite its richness and strong economic potential many viewed that ARMM is given less attention by the government in terms of development programs-perhaps one of the major reasons of the long conflict (War) resulted to unstable peace and orders. It also viewed that ARMM has the highest poverty incidence in the country's ranging from 70-75 percent (BAS) addressing poverty in the area and the concern on food adequate will necessary look at its agricultural resources base.

Increasing productivity & income has been the main agenda address over the years in the agricultural sector, yet it seems to be so elusive in the sense that the productivity levels remains low and non competitive compared to tile other region in our country.

In the implementation of AFMA or RA 8435 process of transforming the agriculture & fisheries sector into one that is dynamic, technologically advance & competitive, the ARMMIARC is one of the agencies mandated to undertake research & extension in agriculture & fisheries and provide leadership in tile planning & orchestration of the implementation of project/program in ARMM. With this modernization act, ARMM/ARC-LGU proposed CPAR accelerating technology transfer a strategy to alleviate rural poverty since most of the people live in the rural areas are dependent on the agri & agriculture related industries for their livelihood.

This proposed project will served as to facilitate technology transfer & insure its immediate adoption.

III. Outline of the Project

Introduction

- Increase productivity and income through accelerating technology transfer to the farming community of the region
- Setting priorities and responsibilities to achieve sustainable food security and poverty alleviation
- Crops-livestock components for sustainable agriculture in the region.

Amount Requested: P 29, 089,405
\$ 538,693

IV. Implementation Schedule

Start : June 2003
End : May 2006

V. Implementing Agency

- **DA-ARMMLIARC**
- Mandates:
 - Increase productivity of income
 - 1. Food security
 - 2. Poverty eradication & people empowerment
 - 3. Sustainable agriculture development
 - 4. Global competitiveness

VI. Released Activities

- Serve as an effective instrument to consolidate and strengthen the regional agriculture research and development system for increased effectiveness and efficiency.
- Strengthen LGU's linkages

VII. Beneficiaries

- Small farmers and entrepreneurs in the region.
- Farmers association, cooperatives and NGO's.

VIII. Security Condition

- Signing of MOA.
- Commitment of the LGU's

Objectives

- Accelerating technology transfer from the technology generating system to the farming communities.
- Increase in total farm productivity and income.
- Provide system for effective research-extension relationship
- Uplift socio-economic living condition of the people in the region,

Outputs

- Sustainable and Healthy Environment
- Increase Farm Productivity and income
- Management practices to improve farming system from traditional to modern scientific farming system
- Brochures on the appropriate technology transfer to the farming community
- Reduced production cost and marketing risk of the products product

Project Activities

Activities	Month
1. Planning and formulation of the project	April 2003
2. Meeting with the LGU's and other involved agency	May 2003
3. Approval and release of fund	June 2003
4. Training of farmers, extension, LGU's and NGO's	June 2003
5. Site identification and validation through PRA	June 2003
6. Establishment of the project	July 2003
7. Monitoring & evaluation of the project	Year round
8. Submission of progressive report	Every quarter

Input from the Recipient Government

- 10-20% added to the total amount requested shall be the counterpart of the local government unit (LGU's) involved.

Input from the Japanese Government

- Research experts
- Training seminars & workshop
- Equipment & Etc.

Attachment:**PROJECT FRAMEWORK**

Project Title: **CPAR: ARMMLARC - LGU AS STRATEGY FOR ACCELERATING TECHNOLOGY TRANSFER**

	Indicator/Targets	Means of Verification	Key Assumption/risks
1. Goal * Provide an effective strategy for accelerating technology transfer * Productivity and food security	* Information dissemination * Maximize form productivity & profitability	* Feed back of farmers & non-farmers * OFR results	* Establishment strong linkages with LGU's * Active Participation of LGU's & farmers.
2. Purpose * Increase in total farm productivity and income * Documentation through writing of packaging technology * Uplift socio-economic living condition of the people	* OFR/Techno-Demo * Info communities technology. * Adaptation of techno transfer	* Regular site visitation * Feed back/ information * -do-	* Active participation of LGU's & Farmers * -do-
3. Outputs * Sustainable & healthy environment * Increase farm productivity & income * Reduced production and marketing cost of the product * Brochures of the appropriate technology	* Location-specific technology * Package of technology	* Regular field visitation * Comparative data analysis * Project Field Record	* LGU farmers render strong support * Timely implementation of the project

Description of the Project

A. Local /number of the Project by District

Province	District			Total
	1 st	2 nd	Lone	
Maguindanao	3	2	-	5
Lanao del Sur	2	3	-	5
Basilan	-	-	3	3
Sulu	2	2	-	4
Tawi-Tawi	-	-	3	3
Marawi City	-	-	2	2
Total	7	7	8	22

B. Project Components

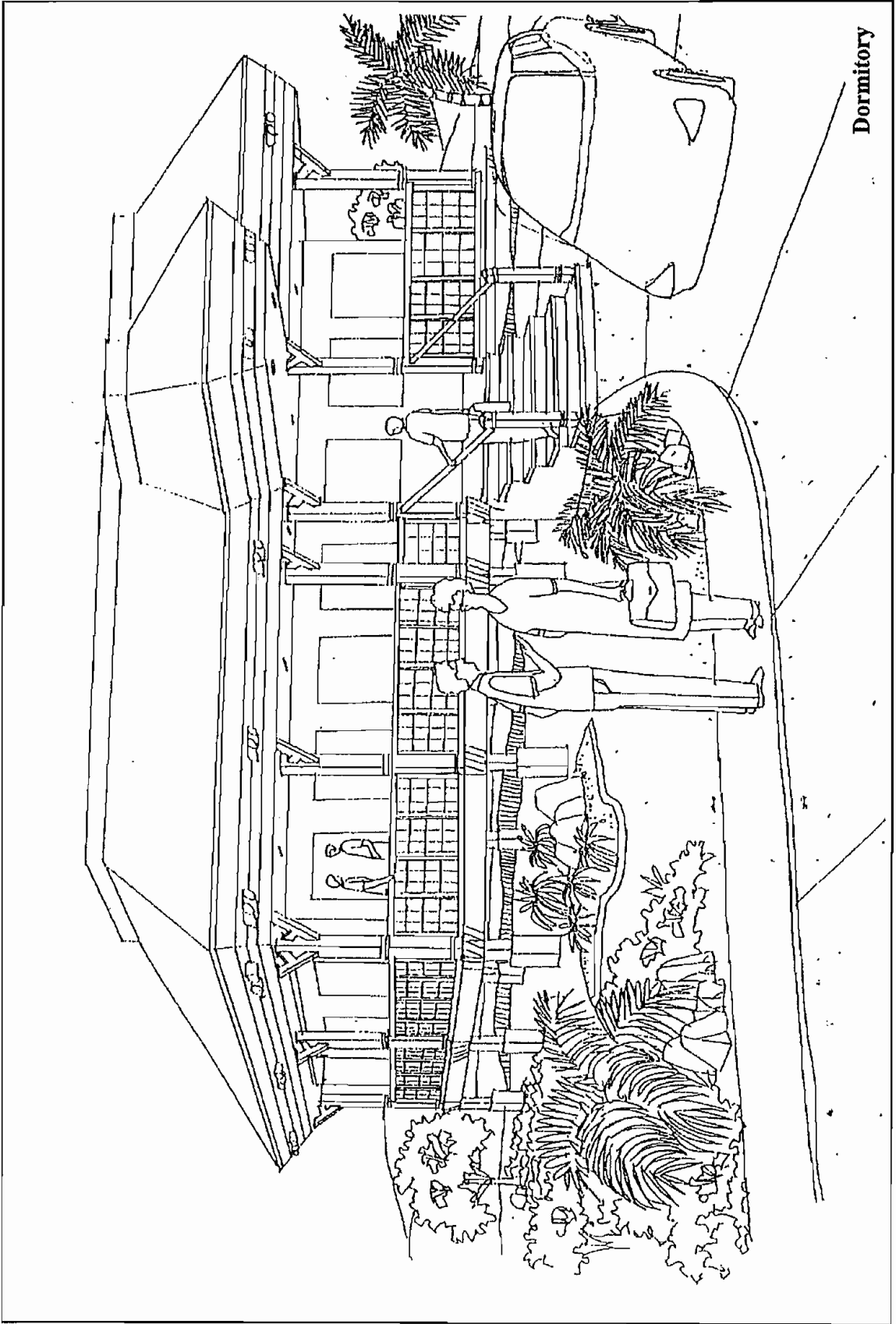
Project/Study	Budget (P)
1. Corn Production	
* OFR on Corn-Based Farming System in ARMM	1,500.00
* CPAR on Corn Seed Production and Promotion in ARMM	400,000
* Technology options in enhancing white corn productivity	600,000
* Corn root crops integration	1,000,000
Sub-total	3,500,000
2. Rice Production	
* Lowland/Rainfed rice production having recommended new varieties	5,000,000
* Rice-Based Farming System	1,000,000
* OFR on Upland Rice Farming System	500,000
Sub-total	2,000,000
3. Fruit Trees and Other Crops	
* OFR for Annual and perennial crops-livestock/poultry farming system	1,500,000
* OFR for Grain Legumes	380,000
* OFR for Rootcrops	300,000
* Production of Promising various vegetables	300,000
* Collection, Evaluation and Adaptation of different cultivars of cassava.	450,000
Sub-total	2,930,000.00
4. Livestock/Poultry Project	
* Sasso Techno Demo Project	600,000
* Comparative Study of Native Goat reared on two different system	850,000
* Expanded Forage and Pasture Development Project	550,000
Sub-total	2,000,000

5. Socio-economics		
* Conduct Commodity based Gender Analysis Among the Constituents of the Project		750,000
* Impact Assessment and Evaluation of the Adoption of Technologies by the Target Clienteles		1.5 M
Sub-total		2.35 M
GRAN TOTAL		P 12,780,000 \$ 236,667

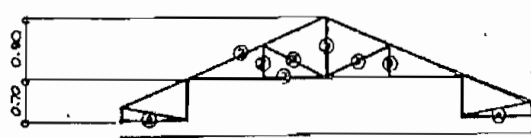
List of Equipments, Facilities and Infra of the Project

Items	Unit	Quantity	Unit Price	Total Value
ISUZU – Fuego 4x2 Pick-up	U	4	800,000	3,200,000
Motorcycle (XLR 150 Honda)	U	6	120,000	720,000
Moisture meter (digital)	U	6	25,000	150,000
Weighing Scale (digital)	U	6	30,000	180,000
Poke Clip Machine	U	3	500,000	1,500,000
Mechanical Dryer	U	4	500,000	2,000,000
Corn Sheller	U	10	100,000	1,000,000
Mechanical Harvester (Rice & Corn)	U	10	150,000	1,500,000
Mechanical Planters (Rice & Corn)	U	10	150,000	1,500,000
Knapsack Sprayer	U	22	2,000	44,000
Hatchery Incubator (L)	U	5	25,000	125,000
Ware House (15x10m)	U	2	1,717,000	3,434,000
Laboratory equipment				
= Compound Microscope, Models 48401-20-25)	U	2	137,800	275,600
= Soil test Kits	U	5	14,248	71,240
= Soil pH & productivity meter stick	U	2	26,260	52,520
= Grain Moisture detector	U	2	19,292	38,584
= Refrigerator/Freeze (2 door)	U	2	24,076	48,152
= Oven	U	1	62,400	62,400
= Electronic Thermometer	U	2	3,500	7,000
Set of Glassware	Set	4	1,200	4,800
Trimple Bean Balance	U	2	5,000	10,000
Top loading electronic scale	U	3	10,000	30,000
PH/Salinity meter	U	3	3,530	10,590
Hot Plate	U	2	10,430	20,860
Spectrophotometer	U	2	43,100	86,200
Mechanical Shaker	U	2	45,000	90,000
Flame Photometer	U	2	38,000	76,000
Water Distillation	U	2	17,500	35,000
Baker	U	10	250	2,500
Erlenmeyer Flask	U	10	550	5,500.00
Volumetric flask	U	10	1,500	15,000.00
Test tube with brush	U	10	100	1,000.00
Stirring Rod	U	15	180	2,700.00
Reagent bottle, 100 ml	U	5	260	1,300.00
Pipetler	U	10	150	1,500.00
Funnel, 75ml	U	5	300	1,500.00
Aluminum tray	U	5	350	1,650.00
Shaking bottle, 100 ml	U	5	450	2,200.00
Pipetler	U	5	300	1,500.00
Total				16,309,405.00 \$ 320,027

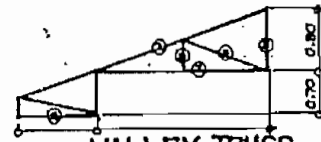
Grand Total of Project and Equipments : P 29,089,405
\$ 539,693



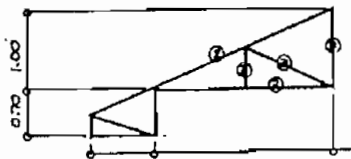
Dormitory



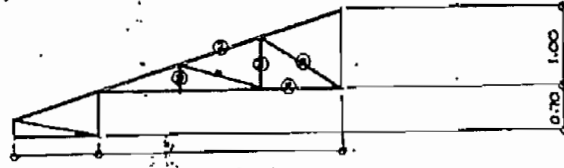
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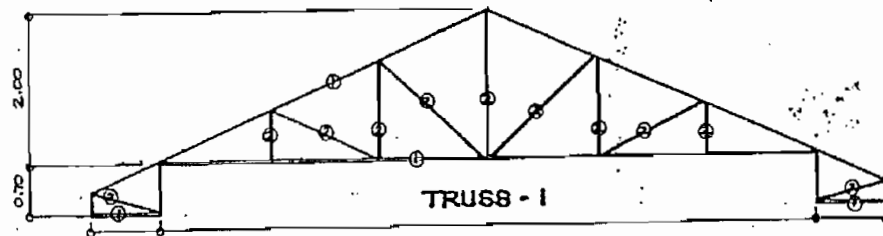
VALLEY TRUSS



HALF TRUSS

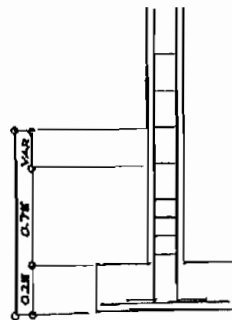


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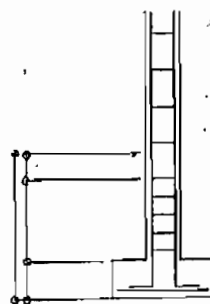


TRUSS - 1

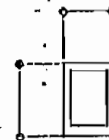
STEEL TRUSS DIAGRAM



F-1 DET.

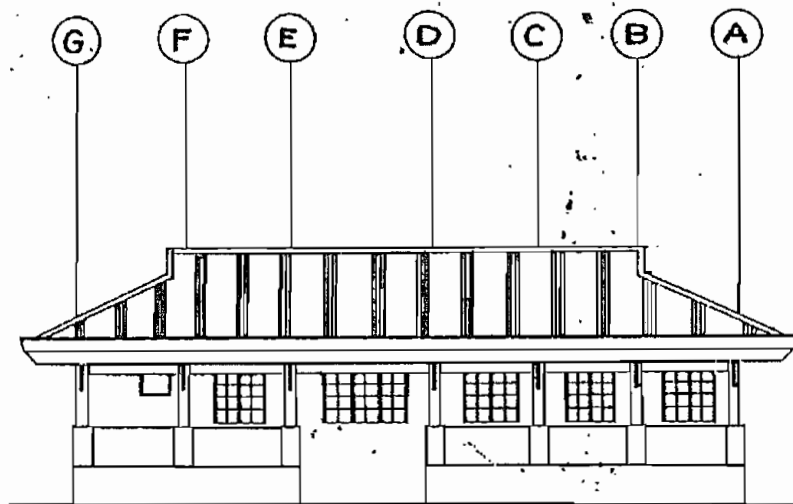


F2 - DET.

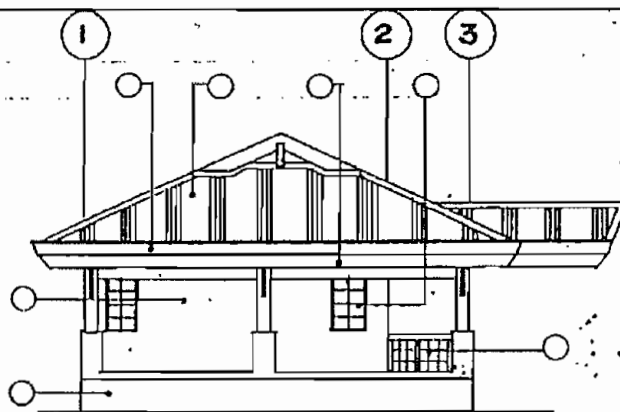


WF DETAIL

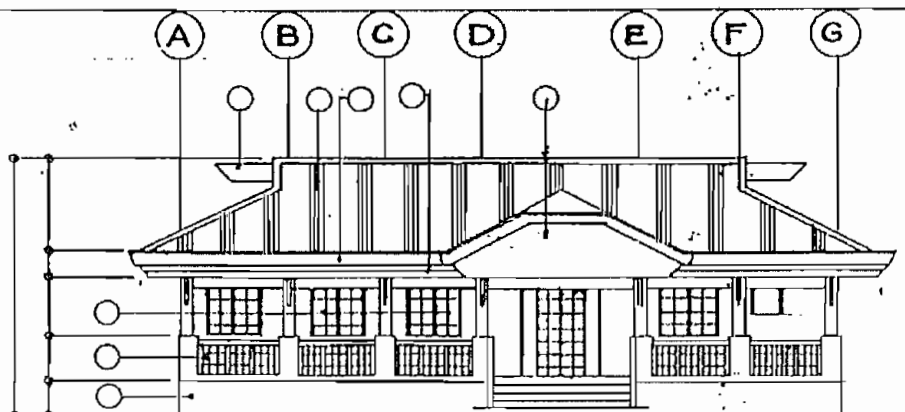
COLUMN FOOTING DETAIL



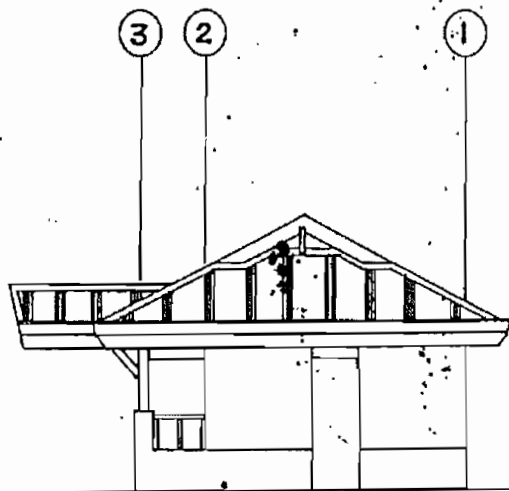
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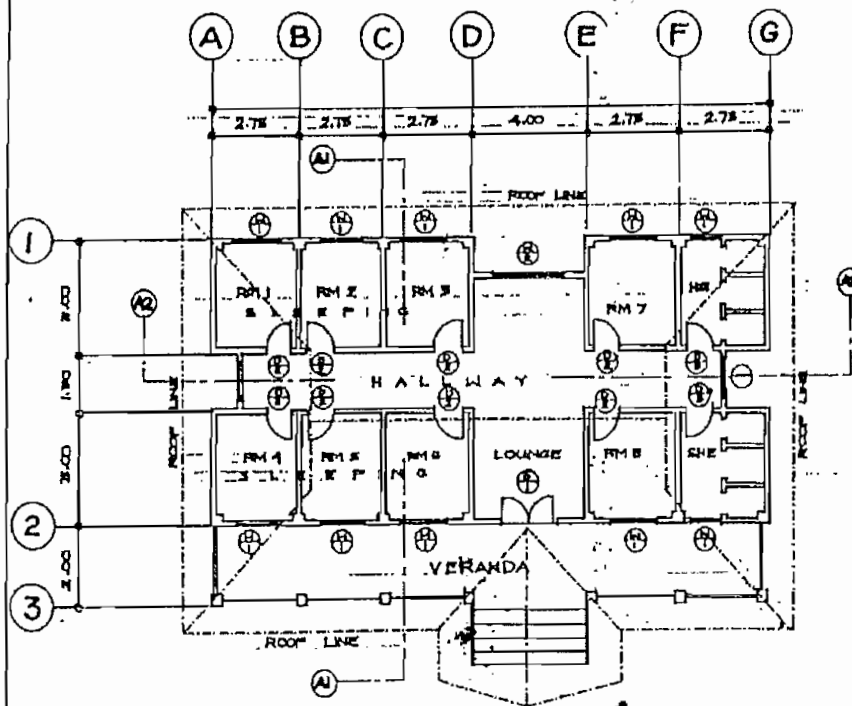
LEFT SIDE ELEVATION



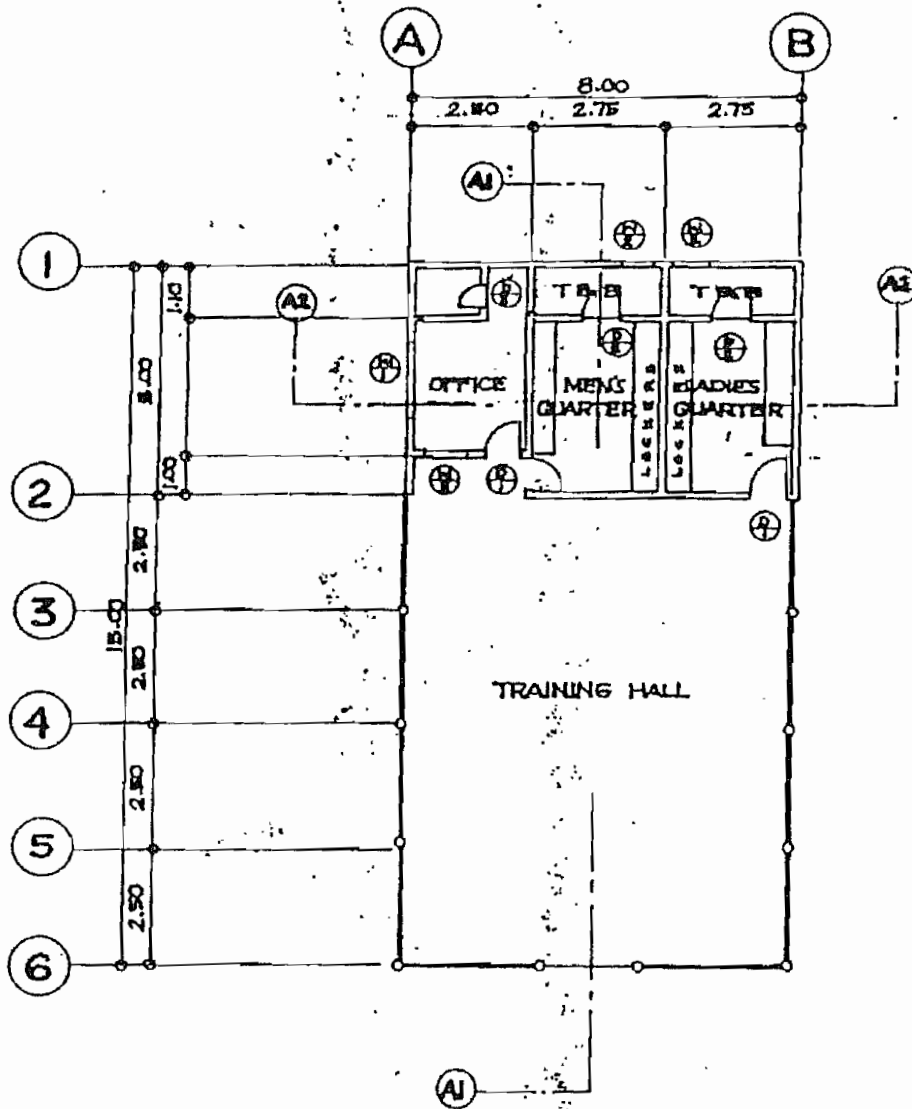
FRONT ELEVATION



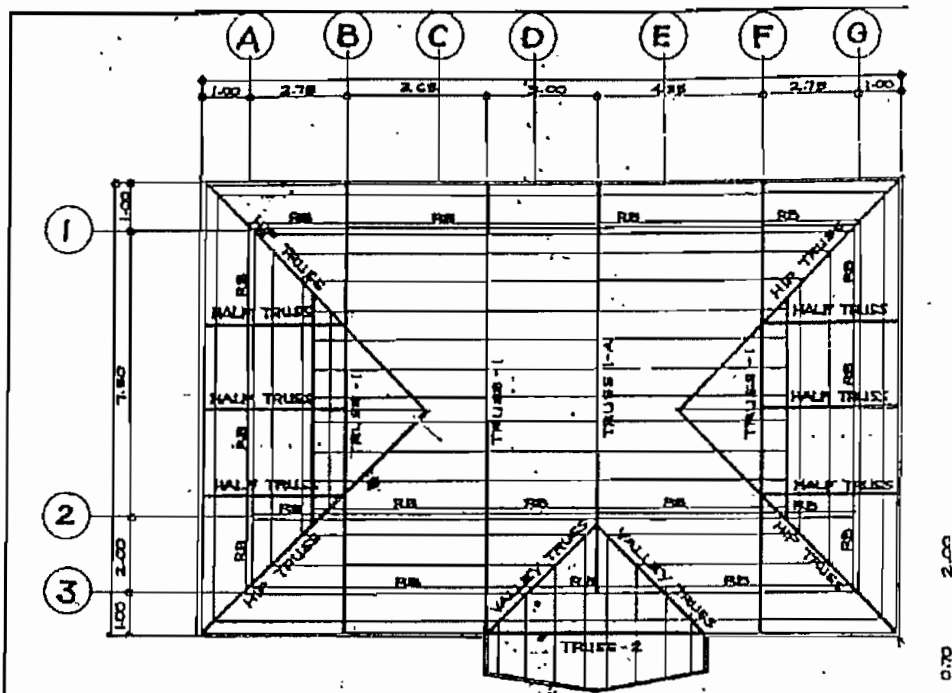
RIGHT SIDE ELEVATION



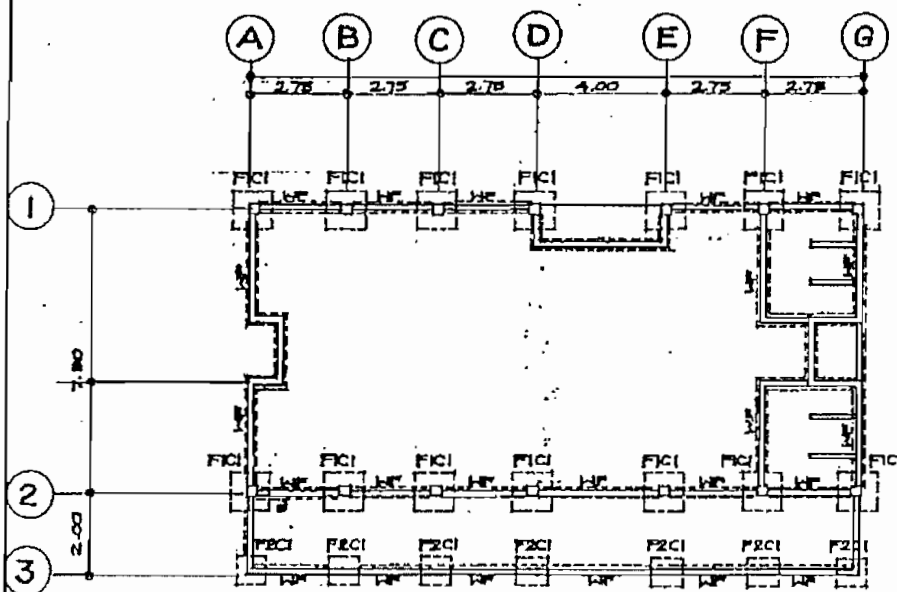
FLOOR PLAN



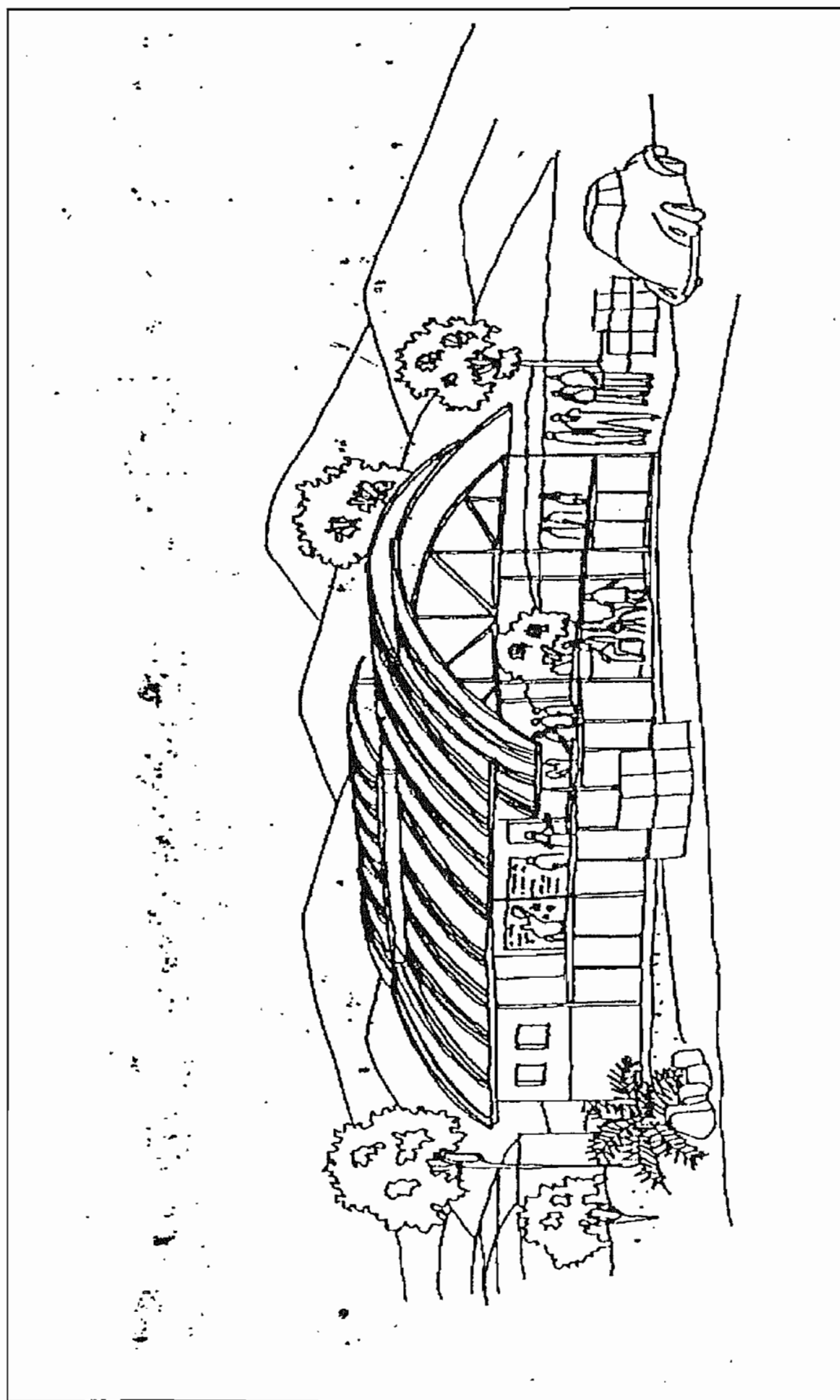
FLOOR PLAN



FOUNDATION PLAN



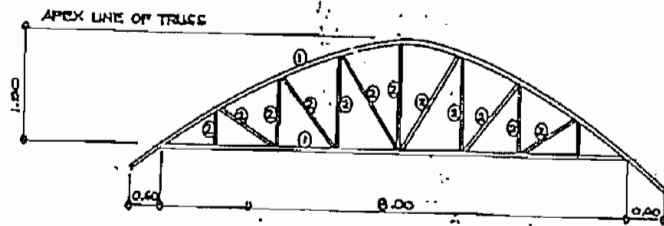
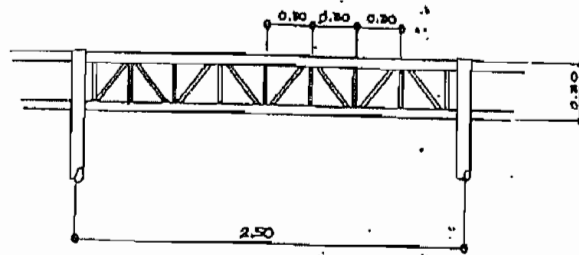
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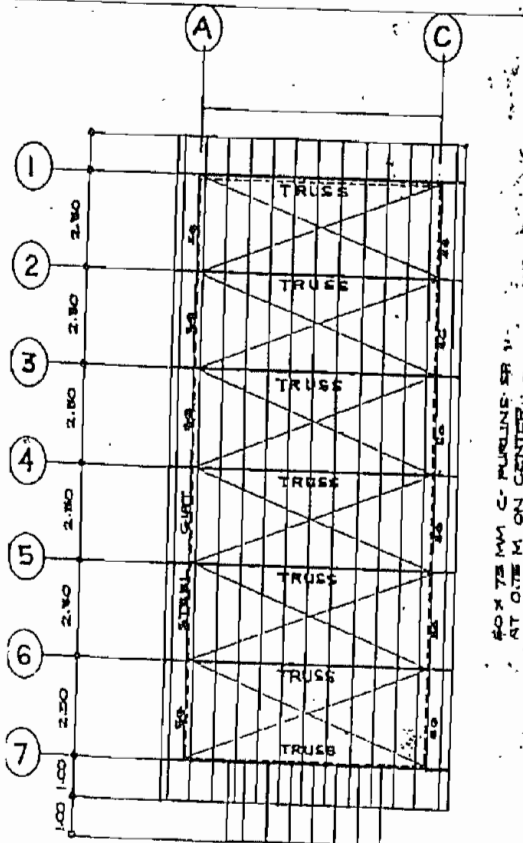
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PERSPECTIVE

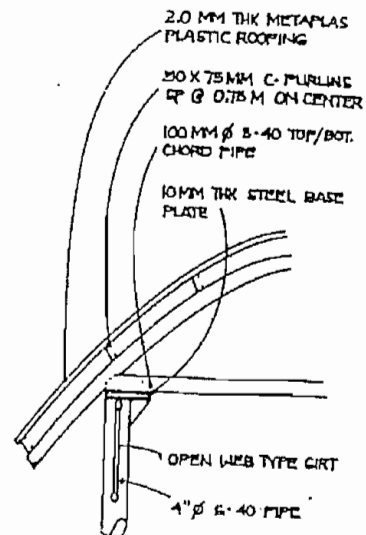




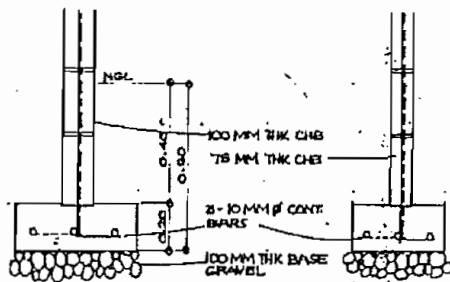
TRUSS DETAIL



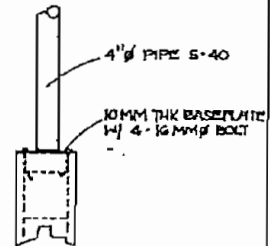
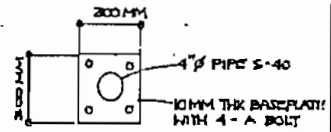
ROOF FRAMING PLAN



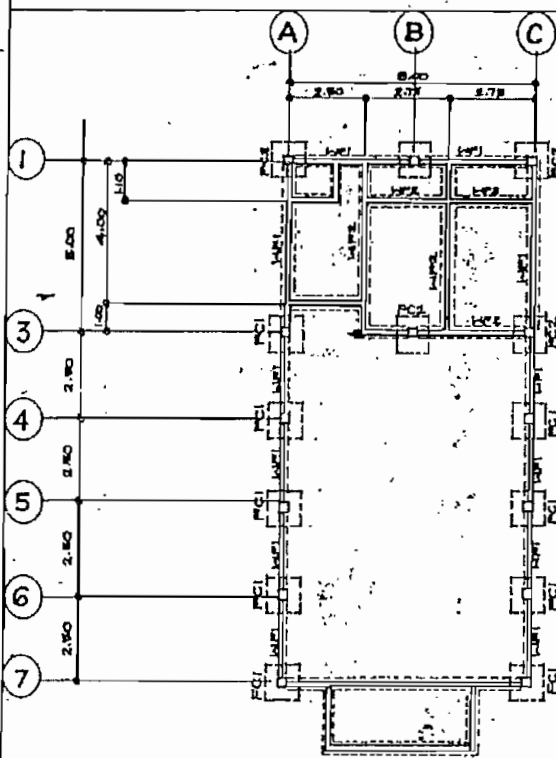
DETAIL A-1



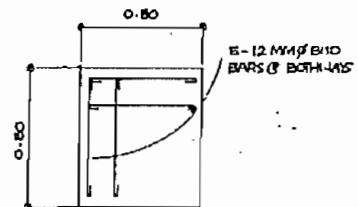
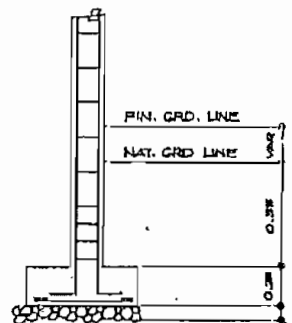
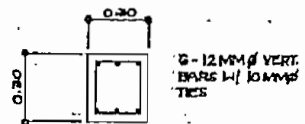
WF-1 DET.



PIPE COL. CONNECTION DET.



FOUNDATION PLAN.



ANNEX TABLES

2015-2016

Annex Table 1 : Palay: Area Harvested, by Province, ARMM, 1998-2002

Municipality/ Province						Hectare
	1998	1999	2000	2001	2002	Ave.1998-02
ARMM	119,424	153,935	149,928	164,885	174,073	152,449
Irrig.	31,809	44,037	43,483	49,177	56,121	44,925
R-Fed	87,615	109,898	106,445	115,708	117,952	107,524
MAGUINDANAO						
Irrig.	20,000	31,198	30,363	30,390	36,708	29,732
R-Fed	56,800	74,752	71,774	67,796	66,967	67,618
Total	76,800	105,950	102,137	98,186	103,675	97,350
LANAO DEL SUR						
Irrig.	11,552	12,379	12,665	18,039	18,996	14,726
R-Fed	23,600	27,567	27,208	41,233	44,715	32,865
Total	35,152	39,946	39,873	59,272	63,711	47,591
BASILAN						
Irrig.	257	460	455	448	417	407
R-Fed	1,602	1,469	1,847	1,494	1,070	1,496
Total	1,859	1,929	2,302	1,942	1,487	1,904
SULU						
Irrig.	0	0	0	0	0	
R-Fed	4,011	4,330	4,150	3,950	3,995	4,087
Total	4,011	4,330	4,150	3,950	3,995	4,087
TAWI-TAWI						
Irrig.	0	0	0	0	0	
R-Fed	1,602	1,780	1,466	1,235	1,205	1,458
Total	1,602	1,780	1,466	1,235	1,205	1,458

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 2 : Palay: Production, by Province, ARMM, 1998-2002

Municipality/ Province						Metric Ton
	1998	1999	2000	2001	2002	Ave.
ARMM	225,747	348,485	347,549	444,559	422,580	357,784
Irrig.	71,343	125,118	132,072	168,256	182,131	135,784
R-Fed	154,404	223,367	215,477	276,303	240,449	222,000
MAGUINDANAO						
Irrig.	38,836	88,635	94,825	100,865	123,371	89,306
R-Fed	92,628	154,131	146,734	168,296	135,341	139,426
Total	131,464	242,766	241,559	269,161	258,712	228,732
LANAO DEL SUR						
Irrig.	31,922	35,180	35,906	66,099	57,474	45,316
R-Fed	51,676	57,675	57,659	98,293	96,598	72,380
Total	83,598	92,855	93,565	164,392	154,072	117,696
BASILAN						
Irrig.	585	1,303	1,341	1,292	1,286	1,161
R-Fed	2,556	2,679	2,988	2,846	2,169	2,648
Total	3,141	3,982	4,329	4,138	3,455	3,809
SULU						
Irrig.						
R-Fed	5,138	6,062	5,810	4,938	4,485	5,287
Total	5,138	6,062	5,810	4,938	4,485	5,287
TAWI-TAWI						
Irrig.	0	0	0	0	0	
R-Fed	2,406	2,820	2,286	1,930	1,856	2,260
Total	2,406	2,820	2,286	1,930	1,856	2,260

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 3 : Corn: Area Harvested, by Province, ARMM, 1998-2002

Municipality/ Province						Hectare
	1998	1999	2000	2001	2002	Ave.
ARMM	264,702	334,482	329,408	330,042	280,314	307,790
White	193,580	255,767	254,457	246,403	211,250	232,291
Yellow	71,122	78,715	74,951	83,639	69,064	75,498
MAGUINDANAO						
White	56,000	79,559	93,252	103,874	75,770	81,691
Yellow	43,880	45,878	42,127	49,754	35,446	43,417
Total	99,880	125,437	135,379	153,628	111,216	125,108
LANAO DEL SUR						
White	133,410	169,656	155,890	136,224	130,118	145,060
Yellow	27,242	32,837	32,824	33,885	33,618	32,081
Total	160,652	202,493	188,714	170,109	163,736	177,141
BASILAN						
White	1,774	3,497	2,712	3,624	2,564	2,834
Yellow						
Total	1,774	3,497	2,712	3,624	2,564	2,834
SULU						
White	1,700	1,779	1,412	1,380	1,327	1,520
Yellow						
Total	1,700	1,779	1,412	1,380	1,327	1,520
TAWI-TAWI						
White	696	1,276	1,191	1,301	1,471	1,187
Yellow						
Total	696	1,276	1,191	1,301	1,471	1,187

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 4 : Corn: Production, by Province, ARMM, 1998-2002

Municipality/ Province						Metric ton
	1998	1999	2000	2001	2002	Ave.
ARMM	466,894	685,986	697,611	718,345	636,352	641,038
White	288,172	422,614	445,022	443,195	382,780	396,357
Yellow	178,722	263,372	252,589	275,150	253,572	244,681
MAGUINDANAO						
White	64,208	123,863	170,445	187,508	130,568	135,318
Yellow	81,501	126,572	122,455	149,707	101,982	116,443
Total	145,709	250,435	292,900	337,215	232,550	251,762
LANAO DEL SUR						
White	220,634	292,839	270,164	250,678	248,291	256,521
Yellow	97,221	136,800	130,134	125,443	151,590	128,238
Total	317,855	429,639	400,298	376,121	399,881	384,759
BASILAN						
White	1,572	3,396	2,386	3,011	1,856	2,444
Yellow						
Total	1,572	3,396	2,386	3,011	1,856	2,444
SULU						
White	1,257	1,434	1,048	912	835	1,097
Yellow						
Total	1,257	1,434	1,048	912	835	1,097
TAWI-TAWI						
White	501	1,082	979	1,086	1,230	976
Yellow						
Total	501	1,082	979	1,086	1,230	976

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 5 : Vegetables, Roots and Tubers: Area Harvested, by Province, ARMM, 1998-2002

Municipality/ Province	Hectare					
	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO						
Ampalaya	14	13	13	12	13	13
Cabbage	64	64	64	63	63	64
Camote	294	296	296	301	30	243
Cassava	938	948	896	900	985	933
Chayote	6	6	6	6	7	6
Eggplant	133	138	145	147	146	142
Gabi	41	41	41	46	43	42
Gourd	7	9	9	10	10	9
Habitchuelas	5	5	5	5	5	5
Mongo	3,687	3,891	4,273	4,448	4,398	4,139
Okra	6	6	6	6	6	6
Peanut	215	230	253	259	263	244
Pepper	8	15	15	20	20	16
Tomato	109	103	98	94	99	101
Ubi	33	34	34	36	32	34
LANAO DEL SUR						
Ampalaya	13	13	11	11	11	12
Cabbage	14	16	18	16	16	16
Camote	812	1,151	950	1,113	1,113	1,028
Cassava	34,312	40,848	35,520	31,430	29,026	34,227
Chayote	18	18	20	20	20	19
Eggplant	23	23	21	22	22	22
Gabi	47	47	36	40	40	42
Gourd	5	5	4	4	4	4
Mongo	34	36	28	29	29	31
Okra	1	1	2	2	2	2
Peanut	351	356	375	445	470	399
Pepper	4	5	5	8	9	6
Tomato	9	11	10	9	8	9
Ubi	7	24	32	32	32	25
BASILAN						
Ampalaya	13	13	13	13	13	13
Camote	641	671	708	708	708	687
Cassava	18,000	18,650	17,445	17,445	17,445	17,797
Eggplant	8	9	13	13	13	11
Gabi	20	20	25	25	25	23
Gourd	15	15	19	19	19	17
Mongo	15	15	16	15	15	15
Okra	3	3	4	4	4	4
Peanut	40	41	46	44	44	43
Pepper	4	4	3	3	3	3
Tomato	5	6	9	9	9	8
SULU						
Ampalaya	16	17	16	16	17	16
Camote	148	160	132	130	132	140
Cassava	27,780	28,100	25,933	25,800	25,920	26,707
Chayote	18	19	16	16	18	17
Eggplant	21	22	20	20	21	21
Gabi	48	48	50	49	50	49
Gourd	13	14	15	14	16	14
Mongo	108	115	100	98	100	104
Peanut	255	270	223	218	223	238
Tomato	8	9	9	9	10	9
TAWI-TAWI						
Ampalaya	9	9	12	12	12	11
Camote	267	274	266	260	266	267
Cassava	17,871	18,510	18,595	18,660	18,920	18,511
Eggplant	5	5	6	6	6	6
Gabi	3	3	3	3	3	3
Gourd	4	4	4	4	4	4
Mongo	8	6	7	7	7	7
Peanut	124	118	111	106	103	112
Tomato	2	2	4	4	4	3

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 6 : Vegetables, Roots and Tubers: Production, by Province, ARMM, 1998-2002

Municipality/ Province	Metric ton					
	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO						
Ampalaya	34	31	32	32	35	33
Cabbage	820	844	857	840	815	835
Camote	1,118	1,135	1,166	1,218	1,242	1,176
Cassava	6,837	6,958	5,279	5,318	5,626	6,004
Chayote	17	17	17	18	20	18
Eggplant	290	306	313	327	325	312
Gabi	109	111	111	113	113	111
Gourd	34	36	37	39	39	37
Habitchuclas	11	11	11	11	13	11
Mongo	3,825	3,994	3,938	3,996	3,901	3,931
Okra	15	15	15	15	17	15
Peanut	193	206	195	196	195	197
Pepper	7	12	14	16	19	14
Tomato	324	324	324	325	334	326
Ubi	148	153	156	170	152	156
LANAO DEL SUR						
Ampalaya	98	100	83	82	78	88
Cabbage	65	75	84	55	55	67
Camote	1,469	1,523	1,263	1,290	1,176	1,344
Cassava	648,527	755,876	654,448	564,775	514,337	627,593
Chayote	60	64	62	63	58	61
Eggplant	249	237	195	158	151	198
Gabi	433	455	342	359	348	387
Gourd	102	107	81	83	80	91
Mongo	17	18	18	16	16	17
Okra	4	5	5	4	5	5
Peanut	188	194	168	171	144	173
Pepper	3	5	4	8	11	6
Tomato	37	42	42	35	29	37
Ubi	29	99	128	130	125	102
BASILAN						
Ampalaya	14	14	16	16	16	15
Camote	710	767	812	828	826	789
Cassava	189,593	207,985	202,769	206,540	205,657	202,509
Eggplant	43	45	69	70	72	60
Gabi	67	69	91	91	88	81
Gourd	60	61	81	81	82	73
Mongo	11	11	14	14	14	13
Okra	3	3	5	5	5	4
Peanut	45	46	52	52	54	50
Pepper	4	4	4	4	4	4
Tomato	14	14	28	27	28	22
SULU						
Ampalaya	23	25	22	21	22	23
Camote	380	385	437	428	427	411
Cassava	140,108	145,701	160,783	157,951	154,996	151,908
Chayote	6	7	8	7	7	7
Eggplant	13	13	15	14	14	14
Gabi	409	414	448	430	428	426
Gourd	28	31	36	35	34	33
Mongo	59	105	114	105	102	97
Peanut	161	166	186	176	174	173
Tomato	29	29	31	29	29	29
TAWI-TAWI						
Ampalaya	19	20	25	23	22	22
Camote	662	667	629	586	579	625
Cassava	72,669	75,598	84,531	84,325	89,641	81,353
Eggplant	20	22	23	23	25	23
Gabi	11	10	12	11	11	11
Gourd	11	12	12	11	11	11
Mongo	8	7	7	6	6	7
Peanut	108	102	97	85	77	94
Tomato	3	3	4	4	4	4

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 7 : Selected Fruit Crops: Area Harvested, by Province, ARMM, 1998-2002

Municipality/ Province						Hectare
	1998	1999	2000	2001	2002	AVE.
MAGUINDANAO						
Banana	10,424	11,904	12,417	12,438	13,180	12,072.6
Calamansi	65	65	65	68	65	65.6
Durian	121	169	169	174	182	163
Lanzones	25	15	15	15	15	17
Mandarin	29	29	29	29	29	29
Mango	512	518	512	579	641	552.4
Mangosteen	4	4	4	4	4	4
Papaya	24	24	21	22	25	23.2
Pineapple	16	16	15	10	8	13
Rambutan						
Watermelon	50	39	39	14	40	36.4
LANAO DEL SUR						
Banana	4,115	4,203	4,859	4,958	4,958	4,618.6
Calamansi	15	15	16	19	18	16.6
Durian	81	105	105	110	110	102.2
Lanzones	214	214	214	216	216	214.8
Mandarin	3	3	3	3	3	3
Mango	41	41	41	48	42	42.6
Mangosteen	10	10	10	10	10	10
Papaya	3	4	6	6	6	5
Pineapple	63	70	70	75	75	70.6
Rambutan	19	19	19	19	19	19
Watermelon	10	10	10	10	10	10
BASILAN						
Banana	7,097	7,097	7,094	7,094	7,094	7,095.2
Calamansi	15	16	16	16	16	15.8
Durian	3	27	27	27	27	22.2
Lanzones	25	30	30	30	30	29
Mandarin	8	8	10	10	10	9.2
Mango	8,085	90	90	90	90	1,689
Mangosteen	14	14	14	14	14	14
Papaya	20	20	25	25	25	23
Pineapple	5	5	8	8	8	6.8
Rambutan	3	3	3	3	3	3
Watermelon						
SULU						
Banana	2,530	2,532	2,503	2,503	2,500	2,513.6
Calamansi	41	40	40	40	40	40.2
Durian	720	720	720	720	720	720
Lanzones	4,421	5,000	5,000	5,000	5,000	4,884.2
Mandarin	1,900	1,900	1,900	1,900	1,900	1,900
Mango	1,200	1,200	1,200	1,200	1,200	1,200
Mangosteen	890	890	900	900	900	896
Papaya	48	48	48	45	45	46.8
Pineapple	6	6	7	8	8	7
Watermelon	4	4	4	4	4	4
TAWI-TAWI						
Banana	650	699	675	679	678	676.2
Calamansi	7	10	10	10	10	9.4
Durian	56	56	54	54	54	54.8
Lanzones	48	48	48	48	48	48
Mandarin	14	14	14	14	14	14
Mango	289	339	339	339	339	329
Mangosteen	5	5	5	5	5	5
Papaya	23	23	23	25	24	23.6
Pineapple	11	12	18	18	18	15.4
Rambutan	4	4	4	4	4	4

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 8 : Selected Fruit Crops: Production, by Province, ARMM, 1998-2002

Municipality/ Province						Metric Ton
	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO						
Banana	104,018	161,548	189,071	194,245	206,707	171,117.8
Calamansi	296	317	320	328		252.2
Durian	1,247	653	602	617	674	758.6
Lanzones	149	25	28	31	39	54.4
Mandarin	90		31		19	28
Mango	2,266	2,656	2,781	2,838	3,323	2,772.8
Mangosteen	30	10	10	10	14	14.8
Papaya	1,719	1,793	1,837	1,811	1,816	1,795.2
Pineapple	16	16	16	16	15	15.8
Rambutan	20	24	23	11	16	18.8
Watermelon	296	366	227	73	101	212.6
LANAO DEL SUR						
Banana	97,421	100,762	112,072	114,002	113,285	107,508.4
Calamansi	222	137	104	95	93	130.2
Durian	509	321	302	53	50	247
Lanzones	292	141	152	95	85	153
Mandarin	19	14	20	9	9	14
Mango	347	247	189	186	196	233
Mangosteen	32	25	24	42	42	33
Papaya	57	60	96	99	132	88.8
Pineapple	1,125	1,161	1,170	1,158	1,088	1,140.4
Rambutan	17	11	11	4	3	9.2
Watermelon	33	34	21	21	21	26
BASILAN						
Banana	20,846	21,994	22,163	22,484	22,407	21,978.8
Calamansi	77	79	80	80	83	79.8
Durian	28	29				
Lanzones	156			246	268	134
Mango	197	199	200	197	207	200
Mangosteen	21	21		22	25	18
Papaya	549	569	578	469	474	528
Pineapple	79	82	82	83	83	81.8
SULU						
Banana	15,129	19,056	18,101	17,602	17,493	17,476.2
Calamansi	373	382	359	351	348	362.6
Durian	16,510	16,015	14,174	14,002	14,040	14,948.2
Lanzones	46,211	46,300	37,966	37,281	35,230	40,597.6
Mandarin	6,686	6,813	1,792	1,746	1,746	3,756.6
Mango	9,548	9,310	8,055	8,045	8,064	8,604.4
Mangosteen	4,474	4,398	4,054	4,005	3,943	4,174.8
Papaya	902	920	977	913	923	927
Pineapple	96	97	96	89	88	93
Watermelon	13	8	13	13	12	12
TAWI-TAWI						
Banana	8,330	9,410	9,412	8,860	8,907	8,983.8
Calamansi	26	27	27	26	28	26.8
Durian	29	210	204	107	113	132.6
Mango	611	616	501	467	427	524.4
Mangosteen	12	12	10	6	10	10
Papaya	488	381	334	325	327	371
Pineapple	125	122	183	167	153	150
Rambutan	3	3				1.2

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 9 : Selected Minor Fruits: Area Harvested, by Province, ARMM, 1998-2002

Municipality/ Province						Hectare
	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO						
Atis		1	1	1	1	1
Avocado	44	44	40	40	40	41.6
Chico	10	10	10	10	10	10
Duhat	16	10	10	10	10	11.2
Guava	24	24	19	20	20	21.4
Guayabano	10	10	10	10	10	10
Jackfruit	8	18	18	18	18	16
Makopa	1	1	1	1	1	1
Marang		124	118	120	118	96
Pomelo	157	157	157	157	157	157
Santol	6	10	10	10	10	9.2
Sineguelas	1	1	1	1	1	1
Starapple	5	5	5	5	5	5
LANAO DEL SUR						
Atis						
Avocado	8	12	11	11	11	10.6
Guava	3	4	4	4	4	3.8
Guayabano	8	8	8	10	10	8.8
Jackfruit	145	148	150	156	156	151
Marang	320	320	335	335	335	329
Orange	5	5	5	5	5	5
Pomelo	82	83	83	83	83	82.8
Santol	16	16	16	16	16	16
Sineguelas						
Starapple						
BASILAN						
Atis	2	2	4	3	3	2.8
Avocado	14	14	15	15	15	14.6
Chico	12	12	10	10	10	10.8
Guava	11	15	12	12	10	12
Guayabano	10	11	13	13	12	11.8
Jackfruit	53	55	55	55	55	54.6
Orange	15	15	18	18	18	16.8
Pomelo	20	20	16	16	15	17.4
SULU						
Atis	33	34	34	34	35	34
Avocado	5	5	5	5	5	5
Jackfruit	50	50	50	50	50	50
Marang	380	382	388	380	380	382
Orange	50	50	50	50	50	50
Pomelo	36	36	36	36	37	36.2
Santol	10	10	10	10	10	10
TAWI-TAWI						
Atis	6	7	5	5	5	5.6
Avocado	18	18	18	18	18	18
Chico	2	2	2	2	2	2
Guava	35	35	35	35	35	35
Guayabano	11	12	11	11	11	11.2
Jackfruit	186	186	186	186	186	186
Lemon	7	7	7	7	7	7
Marang	179	179	179	179	179	179
Pomelo	17	16	14	14	14	15
Santol	43	43	43	43	43	43
Starapple	5	5	5	5	5	5
Sineguelas	6	6	6	6	6	6

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 10 : Selected Minor Fruits: Production, by Province, ARMM, 1998-2002

Municipality/ Province	Metric Ton					
	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO						
Atis		6	6	6	6	6
Avocado	1,504	1,472	1,486	1,501	1,615	1,515.6
Chico	30	31	33	33	34	32.2
Duhat	48	48	64	66	66	58.4
Guava	148	151	146	148	161	150.8
Guayabano	43	53	53	54	58	52.2
Jackfruit	74	271	205	209	224	196.6
Makopa	4	4	4	4	4	4
Marang		524	327	311	387	309.8
Pomelo	2,435	2,130	2,066	2,155	2,371	2,231.4
Santol	1	31	32	32	34	26
Sineguelas	8	9	10	10	8	9
Starapple	158	162	166	167	170	164.6
LANAO DEL SUR						
Atis						
Avocado	67	70	42	35	35	49.8
Guava	1	3	3	3	3	2.6
Guayabano	58	62	66	57	57	60
Jackfruit	1,567	1,938	1,798	1,113	1,124	1,508
Marang	338	600	450	374	377	427.8
Orange	5	5	5	5	5	5
Pomelo	74	65	60	64	63	65.2
Santol	16	16	16	16	16	16
Sineguelas						
Starapple						
BASILAN						
Atis	8	8	8	6	6	7.2
Avocado	36	36	35	34	35	35.2
Chico	7	7	6	5	5	6
Guava	9	9	10	10	8	9.2
Guayabano	17	17	17	17	16	16.8
Jackfruit	445	444	444	449	456	447.6
Orange	48	46	42	40	38	42.8
Pomelo	17	17	16	10	10	14
SULU						
Atis	229	245	221	219	219	226.6
Avocado	87	88	88	85	83	86.2
Jackfruit	735	742	692	684	691	708.8
Marang	885	882	847	837	666	823.4
Orange	42	43	43	43	43	42.8
Pomelo	309	313	313	313	345	318.6
Santol	58	59	23	22	22	36.8
TAWI-TAWI						
Atis	15	13	14	13	21	15.2
Avocado	31	31	32	29	29	30.4
Guava	106	108	111	103	119	109.4
Guayabano	46	47				18.6
Jackfruit	3,757	3,717	3,701	3,500	3,744	3,683.8
Kondol	4	5	6	5	5	5
Marang	231	231	241	241	253	239.4
Pomelo	34	35				13.8
Santol	182	182	250	171	171	191.2
Starapple	6	6	6	6	6	6
Sineguelas	7	7	7	7	7	7

Source: Bureau of Agricultural Statistics, ARMM

**Annex Table 11 : Selected Non Food, Industrial & Com'l. Crops: Area Harvested, by Province,
ARMM, 1998-2002**

AGRICULTURE, 1998-2002						Hectare
Municipality/ Province	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO						
Abaca	1,561	1,561	1,561	1,561	1,717	1,592
Cacao	50	50	50	43	50	49
Coconut	59,920	59,926	58,725	58,403	95,219	66,439
Coffee	4,430	4,429	4,429	4,205	4,407	4,380
Rubber	425	425	425	425	425	425
Tobacco	489	435	235	172	172	301
LANAO DEL SUR						
Abaca	1,288	1,410	1,410	1,500	1,438	1,409
Cacao	872	872	872	872	872	872
Coconut	47,895	47,695	46,688	46,417	62,667	50,272
Coffee	2,271	2,353	2,353	2,353	2,353	2,337
Rubber	NA					
Tobacco	NA					
BASILAN						
Abaca	19					
Cacao	35	35	35	35	35	35
Coconut	47,464	47,822	47,490	47,202	67,853	51,566
Coffee	3,227	3,555	3,296	3,296	3,296	3,334
Rubber	12,340	12,340	7,310	7,310	7,310	9,322
Tobacco	NA					
SULU						
Abaca	6,744	6,750	6,750	6,750	6,750	6,749
Cacao	172	175	175	175	175	174
Coconut	76,950	76,697	75,381	75,027	66,901	74,191
Coffee	3,345	3,360	3,360	3,337	3,347	3,350
Rubber	NA					
Tobacco	NA					
TAWI-TAWI						
Abaca	1,288	1,410	1,410	1,500	1,438	
Cacao	872	872	872	872	872	872
Coconut	47,895	47,695	46,688	46,417	62,667	50,272
Coffee	2,271	2,353	2,353	2,353	2,353	2,337
Rubber	NA					
Tobacco	NA					

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 12 : Selected Non Food, Industrial & Com'l. Crops: Production, by Province, ARMM, 1998-2002

Municipality/ Province	Metric ton					
	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO						
Abaca	1,113	699	613	497	489	682
Cacao	11	10	8	8	7	9
Coconut	391,279	369,767	403,582	387,206	407,206	391,808
Coffee	3,811	3,727	3,834	3,415	3,303	3,618
Rubber	207	188	93	83	82	131
Tobacco	239	203	194	166	160	192
LANAO DEL SUR						
Abaca	640	1,086	992	738	731	837
Cacao	12	9	8	9	8	9
Coconut	14,213	154,324	174,467	161,192	170,938	135,027
Coffee	318	298	244	217	253	266
Rubber	NA					
Tobacco	NA					
BASILAN						
Abaca						
Cacao	4	4	4	4	4	4
Coconut	191,050	144,925	172,368	186,298	174,939	173,916
Coffee	3,471	3,552	4,933	4,943	4,492	4,278
Rubber	19,063	19,469	19,328	20,784	21,544	20,038
Tobacco	NA					
SULU						
Abaca	3,340	3,467	3,343	4,955	3,203	3,662
Cacao	57	59	57	54	52	56
Coconut	223,575	219,622	212,984	211,002	210,838	215,604
Coffee	8,857	9,129	8,353	8,667	8,552	8,712
Rubber	NA					
Tobacco	NA					
TAWI-TAWI						
Abaca	NA					
Cacao	4	4	4	4	4	4
Coconut	146,114	145,024	160,427	157,284	150,295	151,829
Coffee	166	151	147	157	149	154
Rubber	NA					
Tobacco	NA					

Source: Bureau of Agricultural Statistics, ARMM

**Annex Table 13 : Number of Heads of Cattle, by Province, ARMM, 1998-2002
Live Weight, as of January 1**

Municipality	1998	1999	2000	2001	2002
Maguindanao	25,510	29,600	36,948	24,023	24,076
Lanao Del Sur	46,200	40,379	51,678	45,215	44,094
Basilan	1,403	1,841	2,302	2,566	2,221
Sulu	17,325	20,372	21,129	20,705	20,202
Tawi-Tawi	2,679	3,025	4,043	3,590	3,638
ARMM	91,714	93,376	113,798	93,533	94,231

Source: Bureau of Agricultural Statistics, Website

**Annex Table 14 : Number of Heads of Goats by Province, ARMM, 1998-2002 Live
Weight, as of January 1**

Municipality	1998	1999	2000	2001	2002
Maguindanao	73,002	62,044	79,875	79,075	81,172
Lanao Del Sur	44,545	46,125	62,269	62,300	67,210
Basilan	14,860	16,175	15,097	14,323	13,893
Sulu	15,138	17,018	16,610	13,000	15,540
Tawi-Tawi	13,043	12,687	12,358	10,790	11,135
ARMM	145,728	137,874	171,112	165,165	188,950

Source: Bureau of Agricultural Statistics, Website

**Annex Table 15 : Chicken: Number of Birds by Province, ARMM, 1998-2002 Live
Weight, as of January 1**

Municipality	1998	1999	2000	2001	2002
Maguindanao	841,376	726,872	713,316	792,391	729,873
Lanao Del Sur	311,880	373,520	418,743	488,221	595,768
Basilan	154,163	167,911	143,694	139,341	139,071
Sulu	438,558	450,784	459,500	308,631	310,800
Tawi-Tawi	70,619	69,120	72,225	70,242	79,029
ARMM	1,662,432	1,620,296	1,663,784	1,659,485	1,854,541

Source: Bureau of Agricultural Statistics, Website

**Annex Table 16 : Duck : Number of Birds, by Province, ARMM, 1998-2002 Live
Weight, as of January 1**

Municipality	1998	1999	2000	2001	2002
Maguindanao	331,386	317,081	312,584	360,947	324,475
Lanao Del Sur	18,381	21,718	30,052	35,087	35,631
Basilan	1,857	2,696	3,644	4,774	4,452
Sulu	26,867	27,120	27,533	23,567	18,000
Tawi-Tawi	12,982	11,785	8,180	6,994	6,414
ARMM	389,616	377,704	378,349	426,595	388,972

Source: Bureau of Agricultural Statistics, Website

Annex Table 17 : Palay: Yield per Hectares, by Province, ARMM, 1998-2002

		Metric Ton / Hectare					
Municipality/	Province	1998	1999	2000	2001	2002	Ave.
ARMM		1.9	2.3	2.3	2.7	2.4	2.3
Irrig.		2.2	2.8	3.0	3.4	3.2	3.0
R-Fed		1.8	2.0	2.0	2.4	2.0	2.1
MAGUINDANAO							
Irrig.		1.9	2.8	3.1	3.3	3.4	3.0
R-Fed		1.6	2.1	2.0	2.5	2.0	2.1
Total		1.7	2.3	2.4	2.7	2.5	2.3
LANAO DEL SUR							
Irrig.		2.8	2.8	2.8	3.7	3.0	3.1
R-Fed		2.2	2.1	2.1	2.4	2.2	2.2
Total		2.4	2.3	2.3	2.8	2.4	2.5
BASILAN							
Irrig.		2.3	2.8	2.9	2.9	3.1	2.9
R-Fed		1.6	1.8	1.6	1.9	2.0	1.8
Total		1.7	2.1	1.9	2.1	2.3	2.0
SULU							
Irrig.							
R-Fed		1.3	1.4	1.4	1.3	1.1	1.3
Total		1.3	1.4	1.4	1.3	1.1	1.3
TAWI-TAWI							
Irrig.							
R-Fed		1.50	1.58	1.56	1.56	1.54	1.55
Total		1.50	1.58	1.56	1.56	1.54	1.55

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 18 : Corn: Yield per Hectares, by Province, ARMM, 1998-2002

						Metric ton / Hectare
Municipality/ Province	1998	1999	2000	2001	2002	Ave.
ARMM	1.8	2.1	2.1	2.2	2.3	2.1
White	1.5	1.7	1.7	1.8	1.8	1.7
Yellow	2.5	3.3	3.4	3.3	3.7	3.2
MAGUINDANAO						
White	1.1	1.6	1.8	1.8	1.7	1.7
Yellow	1.9	2.8	2.9	3.0	2.9	2.7
Total	1.5	2.0	2.2	2.2	2.1	2.0
LANAO DEL SUR						
White	1.7	1.7	1.7	1.8	1.9	1.8
Yellow	3.6	4.2	4.0	3.7	4.5	4.0
Total	2.0	2.1	2.1	2.2	2.4	2.2
BASILAN						
White	0.9	1.0	0.9	0.8	0.7	0.9
Yellow						
Total	0.9	1.0	0.9	0.8	0.7	0.9
SULU						
White	0.7	0.8	0.7	0.7	0.6	0.7
Yellow						
Total	0.7	0.8	0.7	0.7	0.6	0.7
TAWI-TAWI						
White	0.7	0.8	0.8	0.8	0.8	0.8
Yellow						
Total	0.7	0.8	0.8	0.8	0.8	0.8

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 19 : Vegetables, Roots and Tubers: Yield per Hectares, by Province, ARMM, 1998-2002

		Metric ton/Hectare					
Municipality/	Province	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO							
Ampalaya		2.4	2.4	2.5	2.7	2.7	2.5
Cabbage		12.8	13.2	13.4	13.3	12.9	13.1
Camote		3.8	3.8	3.9	4.0	41.4	4.8
Cassava		7.3	7.3	5.9	5.9	5.7	6.4
Chayote		2.8	2.8	2.8	3.0	2.9	2.9
Eggplant		2.2	2.2	2.2	2.2	2.2	2.2
Gabi		2.7	2.7	2.7	2.5	2.6	2.6
Gourd		4.9	4.0	4.1	3.9	3.9	4.1
Habitchuelas		2.2	2.2	2.2	2.2	2.6	2.3
Mongo		1.0	1.0	0.9	0.9	0.9	0.9
Okra		2.5	2.5	2.5	2.5	2.8	2.6
Peanut		0.9	0.9	0.8	0.8	0.7	0.8
Pepper		0.9	0.8	0.9	0.8	1.0	0.9
Tomato		3.0	3.1	3.3	3.5	3.4	3.2
Ubi		4.5	4.5	4.6	4.7	4.8	4.6
LANAO DEL SUR							
Ampalaya		7.5	7.7	7.5	7.5	7.1	7.5
Cabbage		4.6	4.7	4.7	3.4	3.4	4.2
Camote		1.8	1.3	1.3	1.2	1.1	1.3
Cassava		18.9	18.5	18.4	18.0	17.7	18.3
Chayote		3.3	3.6	3.1	3.2	2.9	3.2
Eggplant		10.8	10.3	9.3	7.2	6.9	8.9
Gabi		9.2	9.7	9.5	9.0	8.7	9.2
Gourd		20.4	21.4	20.3	20.8	20.0	20.6
Mongo		0.5	0.5	0.6	0.6	0.6	0.5
Okra		4.0	5.0	2.5	2.0	2.5	2.9
Peanut		0.5	0.5	0.4	0.4	0.3	0.4
Pepper		0.8	1.0	0.8	1.0	1.2	1.0
Tomato		4.1	3.8	4.2	3.9	3.6	3.9
Ubi		4.1	4.1	4.0	4.1	3.9	4.0
BASILAN							
Ampalaya		1.1	1.1	1.2	1.2	1.2	1.2
Camote		1.1	1.1	1.1	1.2	1.2	1.1
Cassava		10.5	11.2	11.6	11.8	11.8	11.4
Eggplant		5.4	5.0	5.3	5.4	5.5	5.3
Gabi		3.4	3.5	3.6	3.6	3.5	3.5
Gourd		4.0	4.1	4.3	4.3	4.3	4.2
Mongo		0.7	0.7	0.9	0.9	0.9	0.8
Okra		1.0	1.0	1.3	1.3	1.3	1.2
Peanut		1.1	1.1	1.1	1.2	1.2	1.2
Pepper		1.0	1.0	1.3	1.3	1.3	1.2
Tomato		2.8	2.3	3.1	3.0	3.1	2.9
SULU							
Ampalaya		1.4	1.5	1.4	1.3	1.3	1.4
Camote		2.6	2.4	3.3	3.3	3.2	2.9
Cassava		5.0	5.2	6.2	6.1	6.0	5.7
Chayote		0.3	0.4	0.5	0.4	0.4	0.4
Eggplant		0.6	0.6	0.8	0.7	0.7	0.7
Gabi		8.5	8.6	9.0	8.8	8.6	8.7
Gourd		2.2	2.2	2.4	2.5	2.1	2.3
Mongo		0.5	0.9	1.1	1.1	1.0	0.9
Peanut		0.6	0.6	0.8	0.8	0.8	0.7
Tomato		3.6	3.2	3.4	3.2	2.9	3.3
TAWI-TAWI							
Ampalaya		2.1	2.2	2.1	1.9	1.8	2.0
Camote		2.5	2.4	2.4	2.3	2.2	2.3
Cassava		4.1	4.1	4.5	4.5	4.7	4.4
Eggplant		4.0	4.4	3.8	3.8	4.2	4.0
Gabi		3.7	3.3	4.0	3.7	3.7	3.7
Gourd		2.8	3.0	3.0	2.8	2.8	2.9
Mongo		1.0	1.2	1.0	0.9	0.9	1.0
Peanut		0.9	0.9	0.9	0.8	0.7	0.8
Tomato		1.5	1.5	1.0	1.0	1.0	1.1

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 20 : Selected Fruit Crops: Yield per Hectares, by Province, ARMM, 1998-2002

		Metric Ton / Hectare					
Municipality/	Province	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO							
Banana		10.0	13.6	15.2	15.6	15.7	14.0
Calamansi		4.6	4.9	4.9	4.8	0.0	3.8
Durian		10.3	3.9	3.6	3.5	3.7	5.0
Lanzones		6.0	1.7	1.9	2.1	2.6	2.8
Mandarin		3.1	0.0	1.1	0.0	0.7	1.0
Mango		4.4	5.1	5.4	4.9	5.2	5.0
Mangosteen		7.5	2.5	2.5	2.5	3.5	3.7
Papaya		71.6	74.7	87.5	82.3	72.6	77.8
Pineapple		1.0	1.0	1.1	1.6	1.9	1.3
Rambutan							
Watermelon		5.9	9.4	5.8	5.2	2.5	5.8
LANAO DEL SUR							
Banana		23.7	24.0	23.1	23.0	22.8	23.3
Calamansi		14.8	9.1	6.5	5.0	5.2	8.1
Durian		6.3	3.1	2.9	0.5	0.5	2.6
Lanzones		1.4	0.7	0.7	0.4	0.4	0.7
Mandarin		6.3	4.7	6.7	3.0	3.0	4.7
Mango		8.5	6.0	4.6	3.9	4.7	5.5
Mangosteen		3.2	2.5	2.4	4.2	4.2	3.3
Papaya		19.0	15.0	16.0	16.5	22.0	17.7
Pineapple		17.9	16.6	16.7	15.4	14.5	16.2
Rambutan		0.9	0.6	0.6	0.2	0.2	0.5
Watermelon		3.3	3.4	2.1	2.1	2.1	2.6
BASILAN							
Banana		2.9	3.1	3.1	3.2	3.2	3.1
Calamansi		5.1	4.9	5.0	5.0	5.2	5.1
Durian		9.3	1.1				5.2
Lanzones		6.2			8.2	8.9	7.8
Mango		24.6	24.9	20.0	19.7	20.7	22.0
Mangosteen			0.2		0.2	0.3	0.3
Papaya		39.2	40.6	41.3	33.5	33.9	37.7
Pineapple		4.0	4.1	3.3	3.3	3.3	3.6
SULU							
Banana							
Calamansi							
Durian							
Lanzones		18.3	18.3	15.2	14.9	14.1	16.1
Mandarin		163.1	170.3	44.8	43.7	43.7	93.1
Mango		13.3	12.9	11.2	11.2	11.2	12.0
Mangosteen		1.0	0.9	0.8	0.8	0.8	0.9
Papaya		0.5	0.5	0.5	0.5	0.5	0.5
Pineapple		0.1	0.1	0.1	0.1	0.1	0.1
Watermelon							
TAWI-TAWI							
Banana		2,082.5	2,352.5	2,353.0	2,215.0	2,226.8	2,246.0
Calamansi							
Durian							
Mango		0.9	0.9	0.7	0.7	0.6	0.8
Mangosteen		1.7	1.2	1.0	0.6	1.0	1.1
Papaya		8.7	6.8	6.2	6.0	6.1	6.8
Pineapple		2.6	2.5	3.8	3.5	3.2	3.1
Rambutan		0.2	0.2				0.2

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 21 : Selected Minor Fruits: Production per Harvest, by Province, ARMM, 1998-2002

		Metric Ton / Hectare					
Municipality/	Province	1998	1999	2000	2001	2002	Ave.
MAGUINDANAO							
Atis			6	6	6	6	6
Avocado		34	33	37	38	40	37
Chico		3	3	3	3	3	3
Duhat		3	5	6	7	7	5
Guava		6	6	8	7	8	7
Guayabano		4	5	5	5	6	5
Jackfruit		9	15	11	12	12	12
Makopa		4	4	4	4	4	4
Marang			4	3	3	3	3
Pomelo		16	14	13	14	15	14
Santol			3	3	3	3	3
Sineguelas		8	9	10	10	8	9
Starapple		32	32	33	33	34	33
LANAO DEL SUR							
Atis							
Avocado		8	6	4	3	3	5
Guava			1	1	1	1	1
Guayabano		7	8	8	6	6	7
Jackfruit		11	13	12	7	7	10
Marang		1	2	1	1	1	1
Orange		1	1	1	1	1	1
Pomelo		1	1	1	1	1	1
Santol		1	1	1	1	1	1
Sineguelas							
Starapple							
BASILAN							
Atis		4	4	2	2	2	3
Avocado		3	3	2	2	2	2
Chico		1	1	1	1	1	1
Guava		1	1	1	1	1	1
Guayabano		2	2	1	1	1	1
Jackfruit		8	8	8	8	8	8
Orange		3	3	2	2	2	3
Pomelo		1	1	1	1	1	1
SULU							
Atis		7	7	7	6	6	7
Avocado		17	18	18	17	17	17
Jackfruit		15	15	14	14	14	14
Marang		2	2	2	2	2	2
Orange		1	1	1	1	1	1
Pomelo		9	9	9	9	9	9
Santol		6	6	2	2	2	4
TAWI-TAWI							
Atis		3	2	3	3	4	3
Avocado		2	2	2	2	2	2
Guava		53	54	56	52	60	55
Guayabano		1	1				1
Jackfruit		342	310	336	318	340	329
Kondol							
Marang		33	33	34	34	36	34
Pomelo							
Santol		11	11	18	12	12	13
Starapple							
Sineguelas		1	1	1	1	1	1

Source: Bureau of Agricultural Statistics, ARMM

Annex Table 22: Maguindanao, LAD Scope and Accomplishment

Item	Area (Ha)
Scope	96,920.00
Deductibles	1,805.00
Workable Scope	95,115.00
Accomplishment	48,838.00
Balance	46,277.00
Grand Total	88,657.00

Source: Provincial Agrarian Reform Office

Annex Table 23: Lanao Del Sur: Land Acquisition and Distribution Status

Item	Scope	Deductibles	Working Scope	Accomplishment	Balance	Problematic	Workable Balance
As of Dec. 31 2002							
Private Agri Land	46,022	0	46,022	20,081	25,941	3,756	22,185
GOL/GFI	3,223	0	3,223	2,002	1,221	127	1,094
GOL/KKK	17,317	0	17,317	15,689	1,628	113	1,515
Settlements	51,624		51,624	50,103	1,521	270	1,251
TOTAL	102,371	0	102,371	72,186	30,185	4,153	26,032

Source: Provincial Agrarian Reform Office

Annex Table 24: Basilan: Land Acquisition and Distribution

Municipality	LAD Accomplishment (has.)	Total Number of ARBs		
		Male	Female	Total
Lamitan	6,971.6695	1,996	226	2,222
Tuburan	587.8081	205	77	282
Lantawan	2,263.4565	475	124	599
Isabela	3,296.0270	1,138	203	1,341
Sumisip	11,261.9753	2,688	620	3,308
Tipo-Tipo	1,933.1512	458	143	601
Maluso	1,039.0014	282	93	375
TOTAL	27,353.0890	7,242	1,486	8,728

Source: Provincial Agrarian Reform Office

Annex Table 25: Sulu: Status of Land Acquisition and Distribution

Municipality	Land Acquisition and Distribution (Ha)	
	Target Area	Accomplishment
Siasi	2,341.21	1,011.97
Patikul	2,601.43	1,051.44
Panamao	2,277.37	2,368.46
P. Estino	2,392.43	1,207.00
Luuk	844.56	68.70
TOTAL	10,457.00	5,907.57

Source: Provincial Agrarian Reform Office

Annex Table 26: Tawi-Tawi: Status of CARP Implementation

Municipality	Land Acquisition and Distribution (Ha)	
	Target Area	Accomplishment
Bongao	5,284	2,486
Panglima Sugala	18,695	5,072
Languyan	7,149	3,728
Simunul	3,681	1,298
Sitangkai	4,318	1,504
Mapun	5,613	1,029
Tandubas	3,387	825
TOTAL	51,514	16,767

Source: Provincial Agrarian Reform Office

Annex Table 27: Maguindanao: Name of ARC, Municipality they are Loaded, Area, and No. of Beneficiaries

Name of ARC	Municipality	Area (Scope, Ha)	Number of ARBs
Tinungkaan	Upi	600	210
Alamada Cluster	Sultan Kudarat	2,000	1,500
Tukanalugong	Ampatuan	5,410	1,947
Mileb	Sultan sa Barongis	1,350	540
Maguindanao Resettlement Project No. 1	Buldon	19,801	460
Macarimbang Biruar	Parang	345	93
Macarimbang	Parang	1,668	219
Barrio Muslim	Talayan	2,991	1,385
Maguindanao Resettlement Project No. 2	Barira	8,916	1,867
Maguindanao Resettlement Project No. 3	Upi & Datu Odin Sinsuat	4,837	787
Mamasapano	Mamasapano		
Tunggol ARC	Pagagawan	2,550	480
Matilak	Kabuntalan	887	372
Kabalukan	Datu Piang	2,062	572
Banawan	Datu Paglas	458	43
Bago-Ingced	Datu Odin Sinsuat	2,500	165
Salibu	Datu Piang	645	195
Kayupo	Buluan	1,342	232

Sources: DAR Provincial Offices

Annex Table 28: Lanao del Sur: Name of ARC, Municipality they are Loaded, Area, and No. of Beneficiaries

Name of ARC	Municipality	Area (Scope, Ha)	Number of ARBs
Buadipuso	Buadipuso Buntong	1,437	375
Upper Bayang	Bayang	1,343	500
Carigongan	Bubong	2,192	1,639
Pindolonan	Kapai	2,124	605
Bubong Camalig	Marantao	1,636	587
Udalo	Piagapo	1,016	221
Pantaon	Saguiaran	701	418
Malinao Cadayonan	Tagoloan	3,293	1,342
Milaya	Wao	2,343	441
Dado	Balindong	953	295
Inoma	Calanogas	1,135	430
Lumbatan	Lumbatan	2,295	759
Cabasaran	Lumbayanague	1,929	548
Marogong	Marogong	1,683	570
Pagayawan	Pagayawan	22,582	631
Sultan Dumalongdong	Sultan Dumalongdong	3,081	1,029
Tubaran	Tubaran	1,199	600
Dama-Sandab	Butig	2,500	850
Pualas	Pualas	4,360	1,601
Picalilangan	Binidayan	1,132	382
Tongcopan	Lumba-Bayabao	4,494	1,636
Ragayan	Poona-Bayabao	896	584

Sources: DAR Provincial Offices

Annex Table 29: Basilan: Name of ARC, Municipality they are Loaded, Area, and No. of Beneficiaries

Name of ARC	Municipality	Area (has)	No. of ARBs
SCARBIDC	Lamitan	4,018.4012	1,394
TARBIDC	Sumisip	1,017.1524	316
RESETTLEMENT			
Aimarbempco	Sumisip	2,645.8925	666
Marbempco	Sumisip	1,502.5498	529
Sarbidc	Sumisip	1,778.9124	421
Bafida	Sumisip	1,990.0420	423
TARBADECO	Tipo-Tipo	286.5871	107
CATARBEDECO	Sumisip	696.8618	232
MARBEDCO	Sumisip	969.2127	246
TARBAMC	Lantawan	1,434.6591	478
LARBECO	Lamitan	1,127.0000	375
CARBAI	Maluso	569.6921	182
ESARBECO	Tipo-Tipo	301.6373	114
TIPARBECO	Tipo-Tipo	337.6689	165

Sources: DAR Provincial Offices

Annex Table 30: Sulu: Name of ARC, Municipality they are Loaded, Area, and No. of Beneficiaries

Name of ARC	Municipality	Area (Scope, Ha)	Number of ARBs
Tuling Farmworkers MPC	Siasi	1,300	237
Mawalil Wasit Estate	Patikul	1,024	316
Sultan Jamalul Kiram Estate ARC	Talipao, Panamao. Panglima Estino	1,024	177
Princess Tarhata Kiram Estate ARC	Panglima Estino Pnamao, Talipao	1,024	316
Tando Bato ARC	Luuk	110	12
Mahala Kahawa Kabatuam	Talipao	250	89
Timuddas ARC	Pata	222	27
Calaycay Estate ARC	Tungkil	424	94
Malanta ARC	Pandami	120	35
Pandan Niog ARC	Pangutaran	60	60
Kagay Buansa ARC	Indanan	100	21
Panglima Estino ARC	Panglima Estino	1,027	287

Sources: DAR Provincial Offices

Annex Table 31: Tawi-Tawi: Name of ARC, Municipality they are Loaded, Area, and No. of Beneficiaries

Name of ARC	Municipality	Area (Scope, Ha)	Number of ARBs
Tarawakan	Bongao	1,945	400
Takot-Takot-Marang-Marang	Languyan	2,965	715
Parang-Pantay	Languyan	2,662	976
Sibutu-Talisay Cluster	Sitangkai	1,243	549
Magsaggao	Panglima Sugala	2,051	743
Himba	Tandubas	302	342
Baguid	Simunul	2,213	746
Lakit-Lakit	Bongao	922	352

Sources: DAR Provincial Offices

Annex Table 32: Agrarian Loan Releases by Maguindanao Branches During the Last (3) Three Years, by Type

Branches	Farmers	Credit Crops	Rfile	Total
Cotabato	4.618	1.220	1.324	7.162
Kabacan	10.720	0.238	15.478	26.436
Kidapawan	72.441	7.154	59.000	138.595
Marawi	7.860	12.350	0.600	20.810
Midsayap	18.276	45.093	23.975	87.344
Parang	11.810	0.000	0.000	11.810
Rosary Height	74.206	34.343	7.000	115.549
Total	199.931	100.398	107.377	407.706

Annex Table 32-a: Agrarian Loans Past Due in Maguindanao Branches for the Last (3) Three Years

Branches	2001	2002 Rate	2003
Cotabato	34.250	12.314	20.503
Kabacan	95.580	89.497	82.762
Kidapawan	44.190	68.509	27.092
Marawi	2.040	2.095	3.082
Midsayap	37.500	33.398	28.681
Parang	6.550	7.845	12.648
Rosary Height	117.890	93.000	91.818
Total	338.000	306.658	266.586
Past Due Rate	45%	61%	40%

Annex Table 32-b: List of Coops in Wao, Maguindanao and their Loan Status with Land Bank

Cooperative		Status of Loan
1.	Christian Village MPC	Current
	- Do -	Res. Current
2.	Gastav Farmers MPC	Current
	- Do -	Res. Current
3.	Lampanusan FMPC	Current
	- Do -	Res. Current
4.	San Isidro FMPC	Current
	- Do -	Res. Current
5.	Sto. Rosario MPC	Current
	- Do -	Res. Current
6.	Labuco Federation	Past Due
7.	Wao Banana Growers	Current
8.	Glory MPC	Past Due
9.	Imbariz FMPC	Past Due
	- Do -	Rest. Current
10.	Kabatangan	Past Due
	- Do -	Rest. Current
11.	Mapa	Past Due
	- Do -	Rest. Current
12.	Pagkakaisa	Past Due
	- Do -	Rest Current
13.	Poblacion MPC	Past Due
	- Do -	Rest. Current
14.	Wadya Green Farm	Past Due
	- Do -	Rest. Current
15.	Milaya MPC	Current
	- Do -	Res. Current
16.	Carugmanan	Res. Current
17.	Frankport	Res. Current
18.	Malaigang MPC	Res. Current

Annex Table 33: Agrarian Loans Releases by Island Province of ARMM by Land Bank Branches During the Last (3) Three Years

	Total Releases			
	2000	2001	2002	Aug. 2003
Basilan	87.467	56.552	35.012	29.809
Sulu	30.124	33.499	36.603	10.608
Tawi-Tawi	51.746	40.224	31.331	10.169
Total	169.337	130.275	102.946	50.586

Annex Table 33-a: Agrarian Loans - Past Due in Land Bank in the Island Provinces of ARMM

	Total Releases		
	2000	2001	2002
Basilan	13.578	16.938	23.085
Sulu	12.079	8.041	10.596
Tawi-Tawi	1.122	8.649	12.026
Total	26.779	33.628	45.707

Annex Table 33-b: Number of Land Bank Accredited Coops in the Island Provinces of ARMM

	A	B	C	D	F	Total
Basilan	2	4	5	5		16
Sulu	2	2	3	12	1	20
Tawi-Tawi	1	3	12	7		23
Total	5	9	20	24	1	59

Annex Table 34: Classification of LGU in the ARMM

Province/ Municipality	Land Area (Ha.)	Coastline (Km)	Municipal Waters (km ²)	Total Brgys	Coastal Brgys	Lakeshore Brgys
LANAO DEL SUR	387,290.00			1,181.00		191.00
<i>Lakeshore</i>						
1 Bacolod Kalawi	8,376.00			27.00	-	16.00
2 Bayang	13,980.00			60.00	-	20.00
3 Balindong	11,975.00			38.00	-	13.00
4 Binidayan	18,956.00			26.00	-	11.00
5 Buadi-Poso Buntong	4,800.00			33.00	-	8.00
6 Bubong	5,990.00			36.00	-	
7 Butig (<i>Lake Butig</i>)	14,550.00			19.00	-	5.00
8 Ditsaan-Ramain	5,152.00			34.00	-	5.00
9 Ganassi	9,800.00			32.00	-	8.00
10 Lumbatan	14,400.00			30.00	-	5.00
11 Lumbayanague	407,200.00			25.00	-	6.00
12 Madalum	156,000.00			24.00	-	8.00
13 Madamba	104,900.00			35.00	-	2.00
14 Marantao	168.89			34.00	-	14.00
15 Marawi				96.00	-	
16 Masiu	58.69			35.00	-	13.00
17 Mulondo	1,609.00			26.00	-	9.00
18 Poona-Bayabao	3,167.00			25.00	-	6.00
19 Taraka	2,807.00			43.00	-	6.00
20 Tamparan	2,180.00			44.00	-	8.00
21 Tugaya	4,028.00			23.00	-	23.00
22 Pualas (<i>Lake Dapao</i>)	7,985.00			23.00	-	5.00
Total = 22	798,082.58			768.00		191.00
<i>Coastal</i>						
23 Balabagan	16,800.00			26.00	10.00	-
24 Kapatagan	5,428.00			11.00	4.00	-
25 Malabang	14,550.00			37.00	9.00	
26 Sultan Gumander	12,869.00			19.00	12.00	-
Total = 4	49,647.00			93.00	35.00	
<i>Non-lakeshore/coastal</i>						
27 Bumbaran	17,150.00	-	-	17.00	-	-
28 Calanogas	6,830.00	-	-	17.00	-	-
29 Kapai	54,128.00	-	-	20.00	-	-
30 Lumba-Bayabao	1,127.76	-	-	38.00	-	-
31 Maguing	31,230.00	-	-	32.00	-	-
32 Marogong	1,811.00	-	-	24.00	-	-
33 Pagayawan	5,695.00	-	-	18.00	-	-
34 Piagapo	2,000.00	-	-	37.00	-	-
35 Saguwaran	3,321.00	-	-	28.00	-	-
36 Sultan Domalondong		-	-	23.00	-	-
37 Tagoloan	24,000.00	-	-	19.00	-	-
38 Tubaran	21,230.00	-	-	21.00	-	-
39 Wao	35,456.60	-	-	26.00	-	-
Total =13	203,979.36	-	-	320.00	-	-

Province/ Municipality	Land Area (Ha.)	Coastline (Km)	Municipal Waters (km ²)	Total Brgys	Coastal Brgys	Lakeshore Brgys
MAGUINDANAO				830.00		
Marshland						
1 Datu Paglas	17,280.00			23.00	-	
2 Datu Piang*	13,210.00			34.00	-	7.00
3 Gen. S.K. Pendatun	26,690.00			18.00	-	
4 Kabuntalan*	22,330.00			24.00	-	4.00
5 Pagagawan	31,740.00			11.00	-	
6 Pagalungan*	43,150.00			11.00	-	5.00
7 Paglat				4.00	-	
8 Sultan sa Barongis	12,930.00			23.00	-	7.00
9 Talayan*	25,550.00			19.00	-	3.00
Total = 9				167.00		26.00
Coastal						
10 Datu Odin Sinsuat	46,180.00			34.00	5.00	
11 Matanog	14,650.00			8.00	2.00	
12 Parang	22,980.00			23.00	13.00	
13 Sultan Kudarat	22,460.00			52.00	4.00	
14 Upi	47,290.00			35.00	12.00	
Total = 5				152.00	36.00	
Lakeshore						
15 Buluan (Lake Buluan)	34,330.00			37.00	-	9.00
Total = 1				37.00		
Non-marshland/coastal/lakeshore						
16 Ampatuan	50,628.00			21.00	-	-
17 Barira	16,850.00			15.00	-	-
18 Buldon	47,940.00			15.00	-	-
19 Mamasapano				18.00	-	-
20 Sharief Aguak	18,750.00			25.00	-	-
21 South Upi	23,520.00			11.00	-	-
22 Talitay				13.00	-	-
23 Sultan Mastura**					-	-
24 Datu Unsay**					-	-
25 Datu Saudi**					-	-
26 Guindulungan**					-	-
Total = 11				118.00		
BASILAN						
Coastal						
1 Lamitan	25,446.00			45.00	44.00	-
2 Lantawan	19,312.00			35.00	21.00	-
3 Maluso	10,414.00			20.00	18.00	-
4 Sumisip	28,527.00			41.00	9.00	-
5 Tipo-Tipo	17,997.00			39.00	11.00	-
6 Tuburan	11,824.00			30.00	12.00	-
Total = 6	113,520.00			210.00	115.00	

* abutting Rio Grande de Mindanao

** newly created

Province/ Municipality	Land Area (Ha.)	Coastline (Km)	Municipal Waters (km ²)	Total Brgys	Coastal Brgys	Lakeshore Brgys
TAWI-TAWI						-
<i>Coastal</i>						
1 Bongao	11,490.00			35.00	33.00	-
2 Languyan (island)	19,470.00			20.00	20.00	-
3 Mapun (island)				15.00	14.00	-
4 Panglima Sugala	24,520.00			17.00	15.00	-
5 Sapa-Sapa (island)	3,010.00			23.00	23.00	-
6 Simunul (island)				15.00	15.00	-
7 Sitangkai (island)	12,250.00			25.00	25.00	-
8 South Ubian (island)				31.00	31.00	-
9 Tandubas (island)				20.00	20.00	-
10 Turtle Island (island)				2.00	2.00	-
Total = 10	70,740.00			203.00	198.00	
SULU*						
<i>Coastal</i>						
1 Hadji Panglima Tahil	4,950.00			5.00	5.00	-
2 Indanan	10,190.00			34.00	4.00	-
3 Jolo	2,220.00			8.00	5.00	-
4 Kalingalan Caluang	5,590.00			9.00	6.00	-
5 Lugus	3,550.00			17.00	11.00	-
6 Luuk	16,740.00			20.00	5.00	-
7 Maimbung	4,780.00			27.00	6.00	-
8 Panamao	5,110.00			31.00	4.00	-
9 Pandami	8,690.00			16.00	8.00	-
10 Panglima Estino	4,510.00			12.00	4.00	-
11 Pangutaran	25,820.00			16.00	8.00	-
12 Parang	9,740.00			40.00	16.00	-
13 Pata	5,870.00			14.00	3.00	-
14 Patikul	17,930.00			30.00	5.00	-
15 Siasi	10,270.00			50.00	13.00	-
16 Talipao	14,090.00			52.00	4.00	-
17 Tapul	5,550.00			15.00	15.00	-
18 Tongkil	12,400.00			15.00	3.00	-
Total = 18	168,000.00			411.00	125.00	

* Land area derived from "Sulu in Focus"

Sources:

BFAR-ARMM, 2003. Validated list of all coastal communities, Province of Tawi-Tawi

BFAR-ARMM, 2003. List of municipalities abutting major rivers, Province of Maguindanao

BFAR-ARMM, 2003. Marshes, Province of Maguindanao.

BFAR-ARMM, 2003. Validated list of all lakeshore communities in the Province of Maguindanao

BFAR-ARMM, 2003. Validated list of all coastal communities in the Province of Maguindanao

BFAR-ARMM, 2003. Validated list of all lakeshore communities in the Province of Lanao

BFAR-ARMM, 2003. Validated list of all lakeshore communities in the Province of Sulu

National Statistics Office and United Nations Population Fund, 1999. Sulu in Focus: A Demographic and Socio-economic Profile
Socio-economic Profile, Bongao, Tawi-Tawi

LGSP files. Municipality of Sitangkai, Province of Tawi-tawi

LGSP files. Municipality of Languyan, Province of Tawi-tawi

LGSP files. Municipality of Bongao, Province of Tawi-tawi

LGSP files. Municipality of Sapa-sapa, Province of Tawi-tawi

LGSP files. Municipality of Panglima Sugala, Province of Tawi-tawi

The Basilan Marine/Aquaculture Industry, 1999, Department of Trade and Industry, Basilan.

Survey Questionnaires of Lamitan and Lantawan in Basilan

Annex Table 35: Major Fishing Grounds of Sulu

Major Fishing Grounds	Location	Commercial Species	Minor Sea Products (Other than Fish)
1. Sirum Islet	Pandami	Yellow fin tuna	Abalone
2. Tapaan	Pandami	Spanis mackerel	Seaweeds
3. Bubuan	Pandami	Grouper	Giant clam
4. Bas Siganggang	Pandami	Big-eyed scad	Caulerpa
5. Takut Pamunua	Luuk	Roundscad	Seashell
6. Takut Laud	Luuk	Siganid	Ornamental shells
7. Bitinan	Capual Luuk	Skipjack tuna	Oyster
8. Capual Bay	Capual Luuk	Blue bonito	Coerie
9. Lahing-lahing Bay	Luuk	Snapper	Trochus
		Sardines	Cassis
10. Takut-sanga	Tongkil	Garfish/flying fish	Triton
11. Bato Mandi	Tongkil		Volute
12. Suligan	Tongkil		Sea cucumber
13. Takut Bussuh	Tongkil		Sea urchin
14. Bingkot	Tongkil		Sea anemones
15. Gumilang	Tongkil		Lobster
16. Butusan	Tapul		Crabs
17. Kabingaan	Tapul		Squid
18. Saimbangun	Pata		Pearl Shell
19. Likud	Pata		Clams
20. Daungdung	Pata		
21. Patian	Pata		
22. Luuk Tulay	Pata		
23. Teomabal	Jolo		
24. Pamunuan	Jolo		
25. Duway	Jolo		
26. Sulare	Jolo		
27. Damai	Jolo		
28. Sulare	Parang		
29. Mussali	Parang		
30. Bas Ligad	Parang		
31. Sihi Tubbabas	Lugus		
32. Damay	Lugus		
33. Tubbalubbak	Lugus		
34. Duggasan	Lugus		
35. Sibul	Lugus		
36. Tubigan aand Kulasihan Islan	Pangutaran		
37. Panducan	Pangutaran		
38. Ubian and Laparan Island	Panglima Estino		
39. Teomabal Bay	Panglima Estino		



Major Fishing Grounds	Location	Commercial Species	Minor Sea Products (Other than Fish)
40. Minis Bay	Panglima Tahlil		
41. Sibarut	Panglima Tahlil		
42. Cabucan	Panglima Tahlil		
43. Jolo			
44. Karungdong south coast			
45. Karungdong west coast			
46. Karungdong east coast			
47. Damukan	Panglima Estino		
48. Tambulian	Panglima Estino		
49. Patian	Panglima Estino		
50. Laud Maimbung	Maimbung		
51. Teonatal	Maimbung		
52. Patian	Maimbung		
53. Laud Panungan	Maimbung		
54. Maimbung	Tapul Channel		
55. Tambulian	Maimbung		
56. Tambanan	Panamao		
57. Bitinan	Panamao		
58. Bakungan	Panamao		
59. Taglibi	Patikul		
60. Kaunayan	Patikul		
61. Buhanginan	Patikul		
62. Bon-bon Duay	Patikul		
Bulod	Patikul		
63. Lagoon-gusung Laminusa	Siasi		
64. Punongan	Siasi		
65. Kalang	Siasi		
66. Bulikullul	Siasi		
67. Bambang	Siasi		

Source: Provincial Fisheries Profile of Sulu

Annex Table 36: Production, Value and Price of Marine Municipal Fisheries by Province, ARMM and Philippines

Year	Maguin-danao	Lanao del Sur	Basilan	Sulu	Tawi-Tawi	ARMM	Philippines
Production (MT)							
1981	5,175.00	1,479.00		14,601.00	21,126.00	42,921.00	709,989.00
1982	4,105.00	1,118.00		47,783.00	8,331.00	61,337.00	708,016.00
1983	11,208.00	1,704.00		26,176.00	9,785.00	48,873.00	77,988.00
1984	11,491.00	2,453.00		26,781.00	9,056.00	49,781.00	789,975.00
1985	8,968.00	2,440.00		29,603.00	16,957.00	57,968.00	785,132.00
1986	10,188.00	2,524.00		25,555.00	14,219.00	52,486.00	807,275.00
1987	8,543.00	2,615.00		20,251.00	14,174.00	45,583.00	716,247.00
1988	9,665.00	3,741.00		17,458.00	9,947.00	40,811.00	838,366.00
1989	10,368.00	3,815.00		17,709.00	10,323.00	42,215.00	882,369.00
1990	14,861.00	3,473.00		16,569.00	8,257.00	43,160.00	895,040.00
1991	13,766.00	4,035.00		14,499.00	7,121.00	39,421.00	913,524.00
1992	12,787.00	3,529.00		16,248.00	7,321.00	39,885.00	854,687.00
1993	7,447.00	2,322.00		15,019.00	7,284.00	82,072.00	803,194.00
1994	7,293.00	2,869.00		10,846.00	6,862.00	27,870.00	786,847.00
1995	5,224.00	2,665.00	5,720.00	13,325.00	6,041.00	32,975.00	785,369.00
1996	4,201.00	3,001.00	5,423.00	15,654.00	7,158.00	35,437.00	731,308.00
1997	4,607.00	6,216.00	8,040.00	15,045.00	10,198.00	44,106.00	764,727.00
1998	5,365.00	8,608.00	6,740.00	15,992.00	11,380.00	48,085.00	744,675.00
1999	6,099.00	10,889.00	7,148.00	16,426.00	11,994.00	52,556.00	779,820.00
2000	6,002.00	11,663.00	7,245.00	14,709.00	11,970.00	51,589.00	793,824.00
2001	6,701.00	13,708.00	8,466.00	17,446.00	12,495.00	58,846.00	833,188.00
2002						57,978.00	857,294.00
Total	174,064.00	94,867.00	48,782.00	407,695.00	221,999.00	1,055,955.00	16,958,854.00
Value ('000)							
1995	75,968.00	117,704.00	115,412.00	269,737.00	93,583.00	672,404.00	
1996	61,942.00	134,389.00	113,412.00	321,295.00	112,399.00	743,437.00	
1997	99,386.00	218,312.00	203,518.00	290,172.00	215,041.00	1,026,429.00	25,235,558.00
1998	119,961.00	313,417.00	176,858.00	319,840.00	248,767.00	1,178,843.00	26,634,610.00
1999	121,812.00	318,252.00	184,923.00	324,774.00	252,604.00	1,202,365.00	28,830,648.00
2000	142,863.00	364,140.00	188,202.00	318,972.00	264,484.00	1,278,661.00	29,975,760.00
2001	161,561.00	411,788.00	221,979.00	383,638.00	285,636.00	1,464,602.00	31,314,181.00
Total	783,493.00	1,878,002.00	1,204,304.00	2,228,428.00	1,472,514.00	7,566,741.00	141,990,757.00
Price (P/kg)							
1995	14.54	44.17	20.18	20.24	15.49	20.39	
1996	14.74	44.78	20.91	20.52	15.71	20.98	
1997	21.57	35.12	25.31	19.29	21.09	23.27	33.00
1998	22.36	36.41	26.24	20.00	21.86	24.52	35.77
1999	19.97	29.23	25.81	19.77	21.06	22.88	36.97
2000	23.80	31.22	28.98	21.69	22.10	24.79	37.76
2001	24.11	30.04	26.22	21.99	22.86	24.90	37.58

Source:

Bureau of Agricultural Statistics, Fisheries Statistics Division, Department of Agriculture 2002.

Fisheries Database Autonomous Region of Muslim Mindanao (ARMM), 1995-2001

Mindanao Economic Development Council (MEDCO) at <http://www.medco.gov.ph>

Bureau of Agricultural Statistics, Autonomous Region of Muslim Mindanao.

Table on Fisheries Production by Sector and by Province, ARMM, Philippines, 1981-2000

Bureau of Agricultural Statistics, Department of Agriculture. Philippine Fisheries Profile, 1997, 1998, 2001, 2002

Bureau of Agricultural Statistics, Department of Agriculture 2001. Fisheries Statistic of the Philippines, 1997-2001.

Annex Table 37: Fishery Products by Culture Environment in the ARMM, 1995-2001

Fishery Products	Production (MT)							Total
	1995	1996	1997	1998	1999	2000	2001	
ARMM	344,677	336,616	357,319	361,573	360,300	329,321	353,304	2,443,110
Brackishwater fishpond	558	976	1,710	1,586	2,475	2,419	2,635	12,359
- tiger prawn	39	74	202	187	204	223	278	1,207
- milkfish	517	898	1,370	1,272	1,713	1,640	1,899	9,309
- tilapia	1	3	138	127	425	430	317	1,441
- endeavor prawn	1	-	-	-	4	-	-	5
- mudcrab	-	-	-	-	15	13	12	40
- white shrimp	-	1	-	-	114	113	129	357
Freshwater fishpond	5	19	16	21	30	36	37	164
- tilapia	5	14	13	17	27	34	37	147
- mudfish	-	5	1	2	1	-	-	9
- carp	-	-	1	1	1	1	-	4
- catfish	-	-	1	1	1	1	-	4
Freshwater fishcage	12	15	13	11	23	27	38	139
- tilapia	12	15	13	11	23	25	36	135
Freshwater fishpen	4	5	4	4	7	17	28	69
- milkfish	-	-	1	-	-	-	-	1
- tilapia	4	5	3	4	7	17	28	68
Marine fishcage	-	-	-	-	-	-	1	1
- spiny lobster	-	-	-	-	-	-	1	1
Marine fishpen	-	-	-	-	-	3	5	8
- grouper	-	-	-	-	-	1	3	4
- siganid	-	-	-	-	-	2	-	2
- spiny lobster	-	-	-	-	-	-	-	-
- shovel-nosed	-	-	-	-	-	-	-	-
- cavalla	-	-	-	-	-	-	2	2
Seaweeds	344,098	335,601	355,576	359,951	357,765	326,819	350,560	2,430,370
Overall								
- tiger prawn	39	74	202	187	204	223	278	1,207
- milkfish	517	898	1,371	1,272	1,713	1,640	1,899	9,310
- tilapia	22	37	167	159	482	506	418	1,791
- endeavor prawn	1	-	-	-	4	-	-	5
- mudcrab	-	-	-	-	15	13	12	40
- white shrimp	-	-	1	1	1	1	-	4
- mudfish	-	5	1	2	1	-	-	9
- carp	-	-	1	1	1	1	-	4
- catfish	-	-	1	1	1	1	-	4
- grouper	-	-	-	-	-	1	3	4
- siganid	-	-	-	-	-	2	-	2
- spiny lobster	-	-	-	-	-	-	1	1
- cavalla	-	-	-	-	-	-	2	2
- Seaweeds	344,098	335,601	355,576	359,951	357,765	326,819	350,560	2,430,370

Sources:

Bureau of Agricultural Statistics, Fisheries Statistics Division, Department of Agriculture 2002. Fisheries Database Autonomous Region of Muslim Mindanao (ARMM), 1995-2001

Bureau of Agricultural Statistics, Department of Agriculture. Philippine Fisheries Profile, 1997, 1998, 2001, 2002.

Bureau of Agricultural Statistics, Department of Agriculture 2001. Fisheries Statistic of the Philippines, 1997-2001.

Annex Table 38: Proposed Five (5) Year Irrigation Development Plan
National Irrigation Administration
Regions IX, X, XII

Category	2003			2004			2005			2006			2007			Total		
	Proj (no.)	Area (has)	Cost (mPhp)	Proj (no.)	Area (has)	Cost (mPhp)	Proj (no.)	Area (has)	Cost (mPhp)	Proj (no.)	Area (has)	Cost (mPhp)	Proj (no.)	Area (has)	Cost (mPhp)	Proj (no.)	Area (has)	Cost (mPhp)
I. CIS Rehabilitation																		
1. Maguindanao	21	2,011.26	93,840	8	912.75	43,140	5	663.00	29,255	3	267.21	14,119	2	158.00	5,970	33	4,012.22	186,324
2. Lanao Sur																		
3. Basilan	2	84.00	11,500	1	15.00	1,500	1	100.00	10,000	0	0.00	0.000	3	135.00	5,000	4	334.00	28,000
4. Sulu	4	159.00	6,500	1	75.00	2,000	0	0.00	0.000	0	0.00	0.000	0	0.00	0.000	4	234.00	8,500
5. Tawi Tawi	4	82.00	8,200	1	15.00	2,500	0	0.00	0.000	0	0.00	0.000	0	0.00	0.000	4	97.00	10,700
CIS sub-total																		
II. CIP Construction																		
1. Maguindanao	5	376.00	35,320	16	1,247.60	143,743	22	1,986.40	174,662	9	778.00	76,700	12	857.40	96,072	42	5,245.40	526,497
2. Lanao Sur																		
3. Basilan	3	110.00	13,000	3	130.00	23,500	1	150.00	15,000	3	180.00	18,000	3	70.00	8,000	12	640.00	77,500
4. Sulu	13	80.00	40,180	16	390.00	43,040	9	195.00	27,000	13	280.00	44,000	8	180.00	27,000	31	1,125.00	181,220
5. Tawi Tawi	13	254.00	59,363	11	255.00	54,500	8	470.00	48,500	4	265.00	32,500	3	365.00	28,500	19	1,609.00	223,363
CIS / CIP Total																		
III. NIS Rehabilitation																		
1. Maguindanao	2	715.54	184,347	2	675.54	148,219	2	931.08	140,697	2	994.59	93,975	2	452.03	65,663	2	3,768.78	632,901
2. Lanao Sur																		
3. Basilan	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
4. Sulu	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
5. Tawi Tawi	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
NIS sub-total																		
IV. NIP Construction																		
1. Maguindanao	2	369.65	545,157	2	1,108.95	389,398	3	1,849.60	693,018	9	8,807.25	3,617.09	9	11,797.05	2,847,279	9	23,932.50	8,091,941
2. Lanao Sur																		
3. Basilan	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
4. Sulu	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
5. Tawi Tawi	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
NIP sub-total																		
NIS / NIP Total																		
GWIP Construction																		
1. Maguindanao	13	205.00	5,980	8	249.00	9,008	6	260.00	14,035	6	280.00	12,481	2	80.00	2,238	35	1,074.00	43,742
2. Lanao Sur																		
3. Basilan	0	15.00	0,500	0	15.00	0,500	0	15.00	0,500	0	15.00	0,500	0	15.00	0,500	0	75.00	2,500
4. Sulu	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
5. Tawi Tawi	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
GWIP sub-total																		
GRAND TOTAL																		

Source: NIA PIO Five (5) Year Irrigation Development Plans

Notes:

1. There are inconsistent data on area and cost breakdown for the province of Maguindanao that need to be verified
2. Reflected area generated and corresponding cost requirement are only up to Year 2007
3. Balances on cost requirement are beyond Year 2007
4. Potential area not fully generated

Annex Table 39: Proposed Barangay and Farm to Market Roads
Department of Agriculture and Fisheries, ARMM
Medium Term Agriculture and Fisheries Development Plan
(2003 - 2006)

Category	Mun. (no.)	Length (kms)	Inf. Area (has)	Implementation Schedule (Million PhP)			
				2003	2004	2005	2006
I. Road Rehabilitation							Total
1. Maguindanao	2	16.00	1,500	4.00	0.00	4.00	8.00
2. Lanao Sur	7	11.50	3,650	2.00	4.50	3.00	5.00
3. Basilan*	4	52.00	n.a.	15.70	15.70	15.70	62.80
4. Sulu	16	87.98	10,780	22.00	26.48	29.00	87.98
5. Tawi Tawi	none	none	none	none	none	none	none
Sub-Total	29	167.48	15,930	43.70	46.68	51.70	181.28
I. Road Construction							
1. Maguindanao	18	135.50	16,200	38.00	48.00	34.50	15.00
2. Lanao Sur	36	300.54	36,700	63.02	74.60	97.44	63.48
3. Basilan*	2	57.00	n.a.	28.20	28.20	28.20	28.22
4. Sulu	none	none	none	none	none	none	none
5. Tawi Tawi	10	74.30	4,700	22.00	26.80	17.00	8.50
Sub-Total	66	567.34	57,600	151.22	177.60	177.14	115.20
GRAND TOTAL	95	734.82	73,530	194.92	224.28	228.84	154.40
							802.44

*Source: Approximated data from Basilan Accelerated Development Plan

Annex Table 40: Proposed Post Harvest Facilities and Equipment
Department of Agriculture and Fisheries, ARMM
Medium Term Agriculture and Fisheries Development Plan
(2003 - 2006)

Province Type of Facilities	Mun (no.)	Units (no.)	Brgys (no.)	Implementation Schedule (PhP '000)				Total
				2003	2004	2005	2006	
1. Maguindanao								
a. Mini Warehouse	9	129	129	3,315	3,315	2,550	1,785	10,965
b. Mechanical Dryer	2	2	0	1,800	0	0	0	1,800
c. Rice Mill	1	2	0	1,800	1,800	0	0	3,600
d. Corn Mill	2	4	0	3,600	3,600	0	0	7,200
e. Grains Center	1	1	0	5,500	0	0	0	5,500
f. Drying Pavement	21	310	310	7,600	10,300	9,600	3,500	31,000
g. Seaweeds Dryer	2	16	16	240	240	240	240	960
h. "AA" Herbal Abattoir	2	2	0	1,500	1,500	0	0	3,000
i. Livestock Auction Markets	3	3	0	1,500	1,500	1,500	0	4,500
j. Trading Post	1	1	0	500	0	0	0	500
Sub-total				27,355	22,255	13,890	5,525	69,025
2. Lanao Sur/Marawi City								
a. Mini Warehouse	5	85	85	2,125	2,125	1,700	1,275	7,225
b. Mechanical Dryer	3	5	0	900	1,800	1,800	0	4,500
c. Rice Mill	3	5	0	1,800	5,400	1,800	0	9,000
d. Corn Mill	3	5	0	3,600	1,800	3,600	0	9,000
e. Ice Plant and Cold Storage	1	1	0	0	15,000	0	0	15,000
f. Grains Center	1	1	0	5,500	0	0	0	5,500
g. Drying Pavement	37	194	194	3,100	6,900	6,500	2,900	19,400
h. "AA" Halal Abattoir	2	2	0	1,500	1,500	0	0	3,000
i. Livestock Auction Markets	3	3	0	3,000	1,500	0	0	4,500
j. Trading Post	2	2	0	1,000	0	0	0	1,000
Sub-total				22,525	36,025	15,400	4,175	78,125
3. Basilan								
a. Mini Warehouse	7	7	7	170	170	170	85	595
b. Mechanical Dryer	2	2	0	0	1,800	0	0	1,800
c. Rice Mill	1	1	0	0	1,800	0	0	1,800
d. Corn Mill	1	1	0	1,800	0	0	0	1,800
e. Ice Plant/Cold Storage	1	1	0	0	15,000	0	0	15,000
f. Drying Pavement	6	6	6	200	200	200	0	600
g. Seaweeds Stilt Dryer	6	20	20	300	300	300	300	1,200
h. "AA" Halal Abattoir	1	1	0	1,500	0	0	0	1,500
i. Livestock Auction Markets	1	1	0	1,500	0	0	0	1,500
j. Trading Post	1	1	0	500	0	0	0	500
Sub-total				5,970	19,270	670	385	26,295
4. Sulu								
a. Rice Mill	1	1	0	1,800	0	0	0	1,800
b. Corn Mill	1	1	0	0	1,800	0	0	1,800
c. Ice Plant/Cold Storage	2	2	0	0	15,000	15,000	0	30,000
d. Drying Pavement	3	16	16	500	500	300	300	1,600
e. Seaweeds Stilt Dryer	18	50	50	600	900	900	600	3,000
f. Seaweeds Processing Plant	1	1	0	0	15,000	0	0	15,000
g. Fish Processing Plant	1	1	0	15,000	0	0	0	15,000
h. Fruit Processing Plant	1	1	0	0	10,000	0	0	10,000
i. "AA" Halal Abattoir	2	2	0	1,500	1,500	0	0	3,000
j. Livestock Auction Markets	2	2	0	1,500	1,500	0	0	3,000
k. Trading Post	1	1	0	500	0	0	0	500
Sub-total				21,400	46,200	16,200	900	84,700
5. Tawi Tawi								
a. Rice Mill	1	1	0	0	1,800	0	0	1,800
b. Corn Mill	1	1	0	1,800	0	0	0	1,800
c. Ice Plant/Cold Storage	2	2	0	15,000	0	0	15,000	30,000
d. Drying Pavement	3	6	6	300	300	0	0	600
e. Seaweeds Stilt Dryer	10	50	50	600	900	900	600	3,000
f. Seaweeds Processing Plant	1	1	0	0	0	15,000	0	15,000
g. Fish Processing Plant	1	1	0	0	15,000	0	0	15,000
h. "AA" Halal Abattoir	2	2	0	1,500	1,500	0	0	3,000
i. Livestock Auction Markets	2	2	0	1,500	1,500	0	0	3,000
j. Trading Post	1	1	0	500	0	0	0	500
Sub-total				21,200	21,000	15,900	15,600	73,700
Grand Total				98,450	144,750	62,060	26,585	331,845

Annex Table 41: Proposed Farm Mechanization Project
Department of Agriculture and Fisheries, ARMM
Medium Term Agriculture and Fisheries Development Plan
(2003 - 2006)

Province Type of Machineries	Mun (no.)	Units (no.)	Implementation Schedule (PhP '000)				Total
			2003	2004	2005	2006	
1. Maguindanao							
a. Tractor	17	27	14,400	20,800	8,000	0	43,200
b. Rice Thresher	21	75	2,635	1,955	1,020	765	6,375
c. Corn Sheller	21	51	1,105	2,295	595	170	4,165
d. Hand Tractor	21	62	1,800	1,900	1,500	1,000	6,200
Sub-total			19,940	26,950	11,115	1,935	59,940
2. Lanao Sur							
a. Tractor	30	41	27,200	22,400	11,200	4,800	65,600
b. Rice Thresher	22	65	1,275	2,210	1,445	595	5,525
c. Corn Sheller	40	40	850	850	850	850	3,400
d. Hand Tractor	40	45	1,500	1,000	1,000	1,000	4,500
Sub-total			30,825	26,460	14,495	7,245	79,025
3. Basilan							
a. Tractor	6	1	0	1,600	0	0	1,600
b. Rice Thresher	6	4	85	85	85	85	340
c. Corn Sheller	6	4	85	85	85	85	340
d. Hand Tractor	6	4	100	100	100	100	400
e. Floating Tiller	6	4	50	50	50	50	200
Sub-total			320	1,920	320	320	2,880
4. Sulu							
a. Tractor	2	2	0	1,600	1,600	0	3,200
b. Rice Thresher	18	4	85	85	85	85	340
c. Cassava Grater	18	20	150	150	150	150	600
d. Hand Tractor	18	10	300	300	200	200	1,000
e. Floating Tiller	18	10	200	100	100	100	500
Sub-total			735	2,235	2,135	535	5,640
5. Tawi Tawi							
a. Tractor	3	3	1,600	1,600	1,600	0	4,800
b. Rice Thresher	3	7	170	170	85	170	595
c. Corn Sheller	10	10	210	210	140	140	700
d. Cassava Grater	10	30	300	300	150	150	900
e. Hand Tractor	10	25	700	600	600	600	2,500
Sub-total			2,980	2,880	2,575	1,060	9,495
GRAND TOTAL			54,800	60,445	30,640	11,095	156,980

Annex Table 42: NIA FIVE (5) YEAR IRRIGATION DEVELOPMENT PROGRAM
PROVINCE OF MAGUINDANAO
 CY 2002-2007

TOTAL POTENTIAL IRRIGABLE AREA (Within the Province)	146,355.00	ha	SERVICE AREA (Existing):	NIS	16,864.37	ha
TO: AL SERVICE AREA :	26,397.30	ha	CIS	8,300.53	ha	
REMAINING AREA :	119,957.70	ha	Other Govt Agency	-	ha	
			Private	545.00	ha	
			PIS	685.00	ha	

FOR THE MUNICIPALITY OF DATU ODIN SINSUAT ONLY

No.	Name of Project	Potential Area (ha)	Estimated Project Cost P '000	Funding Source	Construction Schedule										Remarks		
					2002		2003		2004		2005		2006			2007	
					Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000		Prog. Area (ha)	Capital Outlay P '000
A. COMMUNAL IRRIGATION PROJECT (CIP)																	
1	Sapulan DDP	170.00	9,000.00	SSIP	36.00	800.00	84.00	3,600.00								County station w/ Logo Survey	
2	Blue Lagoon CIP	100.00	10,000.00	ADIP			40.00	6,000.00	60.00	4,000.00							
3	Kudat CIP	100.00	10,000.00	MRDP						100.00	10,000.00						
4	Sulab CIP	80.00	8,000.00	ADIP						80.00	8,000.00						
5	Lower Sapulan CIP	200.00	20,000.00	ADIP						80.00	12,000.00	120.00	8,000.00				
6	Pang CIP	50.00	3,500.00	GAA/ARMA										50.00	3,500.00		
TOTAL					36.00	800.00	124.00	9,600.00	60.00	4,000.00	260.00	30,000.00	120.00	8,000.00	50.00	3,500.00	

B. NATIONAL IRRIGATION PROJECT (NIP)																
1	Sapulan RIP	4,000.00	617,000.00	F.A.							800.00	277,650.00	1,400.00	215,950.00	1,400.00	617,000.00

No.	Name of Project	Potential Area		Generated (ha)	Estimated Project Cost P '000	Funding Source	Construction Schedule												Remarks
		Potential Area (ha)	Rehab.				2002		2003		2004		2005		2006		2007		
							Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	
C. COMMUNAL IRRIGATION SYSTEMS (CIS)																			
1	INSU CIS	150.00	42.00	48.00	7,000.00	MRDP	42.00	7,000.00											
2	Sapulan CIS	210.00	130.00		12,000.00	MRDP	130.00	12,000.00											
3	Kerimon CIS	215.00	52.00		2,000.00	CIS	52.00	2,000.00											
4	Makir CIS	70.00	50.00		1,800.00	DPWH	50.00	1,800.00											
5	Bendles CIS	80.00	55.00		4,500.00	CIDP	55.00	4,500.00											
6	Sibuan CIS	100.00	65.00		4,875.00	ADIP	65.00	4,875.00											
7	Makir CIS	150.00	130.00		4,500.00	CIDP			52.00	2,700.00		78.00	1,800.00						
TOTAL		975.00	524.00	48.00	36,675.00		274.00	22,800.00	120.00	9,375.00	52.00	2,700.00	78.00	1,800.00					

No.	Name of Project	Potential Area (ha)	Estimated Project Cost P '000	Funding Source	Construction Schedule															
					2002				2003				2004				2005			
					Prog. Area (ha)	No. of Unit(s)		Capital Outlay P '000	Prog. Area (ha)	No. of Unit(s)		Capital Outlay P '000	Prog. Area (ha)	No. of Unit(s)		Capital Outlay P '000	No. of Unit(s)			
						STW	DW			STW	DW			STW	DW		STW	DW	STW	DW
D. GROUND WATER IRRIGATION PROJECT																				
1	Camp Sana PIP	15.00	458.80	ELEP	15.00	4.00		458.80												
2	Makir GIP	25.00	582.79	PIDP			25.00	5.00												
3	Sapulan GIP	25.00	574.57	PIDP					25.00	5.00		574.57								
4	Sibuan GIP	10.00	257.88	PIDP										10.00	2.00	257.88				
TOTAL		75.00	1,874.04	-	15.00	4.00	-	458.80	25.00	5.00	-	582.79	25.00	5.00	10.00	2.00				
																157.88				

**Annex Table 42 Cont.: NIA FIVE (5) YEAR IRRIGATION DEVELOPMENT PROGRAM
PROVINCE OF MAGUINDANAO
CY 2002-2007**

TOTAL POTENTIAL IRRIGABLE AREA (Within the Province)	146,365.00	ha	SERVICE AREA (Existing):	NIS	16,864.37	ha
				CIS	8,303.53	ha
TOTAL SERVICE AREA:	26,397.30	ha		Other Govt Agency	-	ha
REMAINING AREA :	119,967.70	ha		Private	545.00	ha
				PLS	685.00	ha

No.	Name of Project	Location	Comp. District	Potential Area (ha)	Estimated Project Cost P '000	Funding Source	Construction Schedule												Remarks
							2003		2004		2005		2006		2007		2008		
							Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	
4. COMMUNAL IRRIGATION PROJECT (CIP)																			
1	Pindang CIP	S.K.	I	110.00	10,150.00	MRDP	44.00	6,090.00	66.00	4,060.00								w/ topo. Survey	
2	Lower Diganan CIP	Buldon	I	76.00	5,320.00	CARP-IC	76.00	5,320.00										w/ topo. Survey	
3	Blue Lagoon CIP	D.O.S.	I	100.00	10,000.00	APIP	40.00	4,000.00	60.00	4,000.00								w/ topo. Survey	
4	Plugging CIP	S.K.	I	400.00	40,000.00	APIP	160.00	16,000.00	240.00	16,000.00								w/ topo. Survey	
5	Kudan CIP	Taliay	II	100.00	10,000.00	GSDP	40.00	4,000.00	60.00	4,000.00								w/ topo. Survey	
6	Labo CIP	Taliay	II	150.00	15,000.00	APIP	60.00	6,000.00	90.00	6,000.00								w/ topo. Survey	
7	Marang CIP	Barira	I	150.00	15,000.00	CIDP			60.00	9,000.00	90.00	6,000.00						w/ topo. Survey	
8	Reina Regente PIP	Datu Piang	II	200.00	20,000.00	GA/A/AFMA			80.00	12,000.00	120.00	8,000.00							
9	Kizlar CIP	S.K.	I	100.00	7,000.00	GA/A/AFMA			40.00	4,200.00	60.00	2,800.00							
10	Mapul CIP	Parang	I	100.00	10,000.00	CARP-IC			40.00	6,000.00	60.00	4,000.00							
11	Upper Malaling CIP	Ampatuan	II	80.00	8,000.00	APIP			32.00	4,180.00	48.00	3,200.00							
12	Arabas CIP	Datu Piang	II	100.00	10,000.00	APIP			40.00	6,000.00	60.00	4,000.00							
13	Macabiao CIP	S.K.	I	70.00	7,000.00	CARP-IC			70.00	7,000.00									
14	Buhod CIP	SSBarangis	II	300.00	30,000.00	GA/A/AFMA			120.00	18,000.00	180.00	12,000.00							
15	Gadungan CIP	Parang	I	50.00	5,000.00	CARP-IC			50.00	5,000.00									
16	Lipa CIP	Barira	I	70.00	7,000.00	MRDP			70.00	7,000.00									
17	Napak CIP	Datu Paglas	II	60.00	6,000.00	CARP-IC			60.00	6,000.00									
18	Timbangan CIP	Parang	I	50.00	4,000.00	MRDP			50.00	4,000.00									
19	Rifao CIP	Upi	I	70.00	7,000.00	GA/A/AFMA			70.00	7,000.00									
20	Pedawan CIP	Ampatuan	II	50.00	10,000.00	GA/A/AFMA			50.00	10,000.00									
21	Geti CIP	South Upi	II	100.00	10,000.00	ARLSP					100.00	10,000.00							
22	Kahampakan CIP	Taliay	II	50.00	5,000.00	CIDP					50.00	5,000.00							
23	Kudan CIP	D.O.S.	I	100.00	10,000.00	MRDP					100.00	10,000.00							
24	Lamuli CIP	South Upi	II	65.00	6,500.00	ARLSP					65.00	6,500.00							
25	Noran CIP	South Upi	II	100.00	10,000.00	GA/A/AFMA					100.00	10,000.00							
26	Reza CIP	South upi	II	80.00	8,000.00	MRDP					80.00	8,000.00							
27	Solin CIP	S.K.	I	60.00	6,000.00	APIP					60.00	6,000.00							
28	Sulan CIP	D.O.S.	I	80.00	8,000.00	APIP					80.00	8,000.00							
29	Tubuan CIP	South Upi	II	80.00	8,000.00	GA/A/AFMA					80.00	8,000.00							
30	Kas CIP	South Upi	II	250.00	25,000.00	CIDP					100.00	15,000.00	150.00	10,000.00					
31	Kasising CIP	Upi	II	300.00	30,000.00	APIP					120.00	18,000.00	180.00	12,000.00					
32	Laangan CIP	St Pandanun	II	200.00	20,000.00	CARP-IC					80.00	12,000.00	120.00	8,000.00					
33	Lower Sanahan CIP	D.O.S.	I	200.00	20,000.00	APIP					80.00	12,000.00	120.00	8,000.00					
34	Bunau CIP	South Upi	II	200.00	20,000.00	APIP							8,000.00	12,000.00					
35	Tilig CIP	Buluan	II	95.00	9,500.00	APIP					38.00	5,700.00	57.00	3,800.00					
36	Koban CIP	South Upi	II	50.00	5,000.00	APIP					50.00	5,000.00	50.00	5,000.00					
37	Kuya CIP	South Upi	II	100.00	10,000.00	APIP					40.00	6,000.00	60.00	4,000.00					
38	Managay CIP	Taliay	II	250.00	25,000.00	CIDP					100.00	15,000.00	150.00	10,000.00					
39	Maligen CIP	S.K.	I	500.00	50,000.00	CARP-IC					125.00	22,500.00	175.00	15,000.00					
40	Taliay CIP	Taliay	II	50.00	5,000.00	MRDP					50.00	5,000.00							
41	Kigan CIP	South Upi	II	170.00	20,400.00	GA/A/AFMA							68.00	12,240.00					
42	Kiliran CIP	North Upi	I	200.00	24,720.00	GA/A/AFMA							82.40	14,832.00					
43	Pangi CIP	D.O.S.	I	50.00	6,000.00	GA/A/AFMA							50.00	6,000.00					
44	Kanunaw CIP	South Upi	II	100.00	12,000.00	GA/A/AFMA							40.00	7,200.00					
45	Liangan CIP	South Upi	II	50.00	6,000.00	GA/A/AFMA							50.00	6,000.00					
46	Filot CIP	Taliay	II	100.00	12,000.00	GA/A/AFMA							40.00	7,200.00					
47	Lamuli CIP	South Upi	II	65.00	7,800.00	GA/A/AFMA							65.00	7,800.00					
48	Sipling CIP	South Upi	II	75.00	9,000.00	GA/A/AFMA							75.00	9,000.00					
Sub-total				6,112.00	623,990.00		420.00	41,410.00	1,348.00	138,660.00	1,711.00	168,500.00	1,053.00	109,208.00	1,032.40	111,073.00	584.40	54,544.00	

Note: ** - To be completed later years

Comprehensive Basic Survey of the Autonomous Region in Muslim Mindanao Agriculture and Fisheries Sector

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Annex Table 42 Cont'.: NIA FIVE (5) YEAR IRRIGATION DEVELOPMENT PROGRAM
PROVINCE OF MAGUINDANAO
CY 2002-2007

No.	Name of Project	Location	Comp. District	Potential Area (ha)	Potential Area Reclaim.	Period of Area Generated (hr)	Estimated Project Cost P'000	Feeding Source	Construction Schedule												Remarks
									1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		
									Pres. Area (ha)	Cap. Area (ha)	Pres. Area (ha)	Cap. Area (ha)	Pres. Area (ha)	Cap. Area (ha)	Pres. Area (ha)	Cap. Area (ha)	Pres. Area (ha)	Cap. Area (ha)	Pres. Area (ha)	Cap. Area (ha)	
B. CONTINUAL IRRIGATION SYSTEMS (CIS)																					
1	Buga CIS	Tulayan	II	138.00	63.00	48.00	5,000.00	MNDP	63.00	5,000.00											
2	UST CIS	D.O.S.	I	135.00	42.00		7,000.00	MNDP	42.00	7,000.00											
3	Sapulan CIS	D.O.S.	I	210.00	130.00		12,000.00	MNDP	130.00	12,000.00											
4	Tanba CIS	S.C.	I	138.00	112.00		7,000.00	MNDP	112.00	7,000.00											
5	Tampayan CIS	Pindad	I	212.00	189.00		8,100.00	MNDP	189.00	8,100.00											
6	Orondang CIS	Pindad	I	110.00	77.20		3,000.00	MNDP	77.20	3,000.00											
7	Bayan CIS	D.O.S.	I	110.00	77.20		3,000.00	MNDP	77.20	3,000.00											
8	Ngayon CIS	D.O.S.	I	215.00	52.00		2,000.00	CIS	52.00	2,000.00											
9	Salat CIS	D.O.S.	I	70.00	50.00		1,800.00	DPWH	50.00	1,800.00											
10	Timbahan CIS	Arampasan	II	249.78	65.00		2,100.00	CIS	65.00	2,100.00											
11	Timbahan CIS	Talayan	II	155.00	123.00		6,250.00	CIS	123.00	6,250.00											
12	Imat CIS	Talayan	II	172.70	167.70		3,000.00	MNDP	167.70	3,000.00											
13	Kabul CIS	Arampasan	II	614.40	250.00		8,000.00	CIS	250.00	8,000.00											
14	Bendim CIS	D.O.S.	I	83.00	79.21		5,500.00	CIDP	79.21	5,500.00											
15	Paglagan CIS	S.C.	I	440.00	261.00		7,500.00	CIDP	261.00	7,500.00											
16	Shane CIS	D.O.S.	I	100.00	65.00		4,875.00	AMP	65.00	4,875.00											
17	Shane CIS	Baito	I	724.70	194.70		6,000.00	CIDP	194.70	6,000.00											
18	Galang CIS	Uy	I	81.00	59.00		5,000.00	CIDP	59.00	5,000.00											
19	Bajabangan CIS	Uy	I	150.00	130.00		4,500.00	CIDP	130.00	4,500.00											
20	Kabayan CIS	Uy	I	156.40	105.40		7,800.00	CIDP	105.40	7,800.00											
21	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
22	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
23	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
24	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
25	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
26	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
27	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
28	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
29	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
30	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
31	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
32	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
33	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
34	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
35	Bagayan CIS	Uy	I	157.40	117.40		3,000.00	CIDP	117.40	3,000.00											
Sub-Total							235,445.00		93,320	57,898.00	708.00	45,646.40	995.00	51,745.30	959.00	54,122.70	844.00	54,389.00	314.00	11,764.00	
C. ANTI-DRAINAGE IRRIGATION SYSTEMS																					
1	Talayan B2	Talayan	II	2,132.00	676.13	1,100.00	371,226.00	PIDP	274.42	425,920.10	274.42	74,245.20	556.64	35,433.00	649.65	37,122.60	118.61	74,245.20		627.5	
2	Paglagan B2	Paglagan	II	2,127.00	800.00	927.00	270,000.00	PIDP	231.25	421,500.00	417.15	67,500.00	2,781.00	81,000.00						627.5	
3	Alifan B2	Davao	II	2,000.00																627.5	
4	Kabulan B2	Sharif	II	20,499.00	1,476.13	2,107.00	641,236.00		510.37	251,420.10	695.57	141,745.20	3,307.84	136,433.00	649.65	37,122.60	118.61	74,245.20		627.5	
Sub-Total							14,122,779.14		3,760.37	370,409.22	3,707.17	1,097,349	7,462.74	1,192,216.11	10,887.65	3,894,503.96	12,540.41	11,740,146	587,245.00	23,343.00	
TOTAL (Previous Wdr)																					

**Annex Table 42 Con't.: NIA FIVE (5) YEAR IRRIGATION DEVELOPMENT PROGRAM
PROVINCE OF MAGUINDANAO
CY 2002-2007**

No.	Name of Project	Location	Cong. District	Potential Area (ha)	Estimated Project Cost P '000	Funding Source	Construction Schedule												REMARKS
							2002		2003		2004		2005		2006		2007		
							Prog. Area (ha)	Capital P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	Prog. Area (ha)	Capital Outlay P '000	
C. NATIONAL IRRIGATION PROJECT (NIP)																			
1	Paglalangan RIS -Bm	Paglalangan	II	3,500.00	700,000.00	F.A.	800.00	7,500.00	405.00	173,125.00	540.00	138,500.00	675.00	103,875.00	207,250.00	69,250.00			
2	Talayan RIP	Talayan	II	5,265.00	1,132,190.00	F.A.	900.00	7,000.00	654.90	281,297.50	873.20	225,038.00	1,091.50	168,778.50	337,557.00	112,519.00			
3	Upi RIP	Upi	I	1,060.00	263,000.00	F.A.			477.00	157,800.00	583.00	105,200.00	562.50	25,000.00	250.00	12,500.00			
4	Bungabong NIP	S.K.	I	1,250.00	125,000.00	F.A.				50,000.00	437.50	37,500.00	534.60	47,520.00	237.60	23,760.00			
5	Lamayon NIP	Datu Paglas	II	1,188.00	237,600.00	F.A.				95,040.00	415.80	71,280.00	1,400.00	215,950.00	1,800.00	617,000.00			
6	Sapitan RIP	D.O.S.	I	4,000.00	617,000.00	F.A.					800.00	277,650.00	1,400.00	1,400,000.00	6,000.00	800,000.00	**		
7	Maganyit RIP	Shariff Agut	II	20,000.00	4,000,000.00	F.A.					3,000.00	1,400,000.00	1,000.00	720,000.00	1,500.00	480,000.00	**		
8	Payan IADP	Kabuntian	I	5,000.00	2,400,000.00	F.A.					750.00	840,000.00	1,000.00	469,000.00	1,702.50	351,750.00	**		
9	BULDON RIP	Baldon	I	11,350.00	2,345,000.00	F.A.					794.50	586,250.00	1,135.00	469,000.00	1,702.50	351,750.00	**		
10	Kaas NIP	South Upi	II	1,300.00	260,000.00	F.A.											**		
11	Rimigan NIP	South Upi	II	2,500.00	500,000.00	F.A.											**		
Sub-total				56,414.00	12,579,790.00		1,700.00	14,500.00	1,536.90	757,262.50	8,194.00	3,681,418.00	10,398.60	2,950,122.50	556,797.10	2,466,779.00			

Note: ** - To be completed later years

**Annex Table 43: NIA FIVE(S) YEAR IRRIGATION DEVELOPMENT PROGRAM
PROVINCE OF LANA O DEL SUR, FIRST DISTRICT
CY 2004 - 2008**

I. Total Potential Irrigable Area for Development	:	40,186	has.
II. Present Service Area	:	4,298	has.
III. Remaining Area for Development	:	35,888	has.

Category/Project	Location	Cong. Dist.	Target Area (has.)		Fund Source	Estid. Cost (P '000)	Construction Year																									
			New	Rehab./ Rest/ Imp.			2004		2005		2006		2007		2008																	
							Area New	Capital Outlay (P '000)	Area New	Rehab./ Rest/Imp	Capital Outlay (P '000)	Area New	Rehab./ Rest/Imp	Capital Outlay (P '000)	Area New	Rehab./ Rest/Imp	Capital Outlay (P '000)															
A. CIS / CIP Projects																																
1	TONGAN-TONGAN CIP					10,500																										
2	UYAAN CIP		70																													
3	Madamba	II	150			22,500																										
4	PORUG CIP	II	30			4,500	30		4,500																							
5	PULAS GWIP	II	30			4,500	30		4,500																							
6	LIANGAN CIP	II	320			48,000				7,500	50																					
7	MALABANG CIS	II		100		7,500																										
8	MALABANG CIP EXTN	II	200			30,000	100		15,000																							
9	ITIL CIP	II	150			22,500					100																					
10	BALABAGAN CIS	II	200			30,000	100		15,000																							
11	TANGKAL CIP	II	50			7,500					50																					
12	MINANGA-MACADAR CIS	II	60			4,500																										
13	DULANGAN-MALALIS CIP	II	140			21,000	70		10,500																							
14	TIMBABANGAN CIP	II	250			37,500					150																					
15	MALADEG CIP	II	200			30,000					50																					
16	KALOGNIT CIP	II	100			15,000																										
17	RAMITAN CIP	II	180			27,000	50		7,500	50																						
Sub-TOTAL			2,078	160		372,500	380	60	61,500	370		55,500	500		75,000	450	50	71,250	370	50		59,250										
B. National Irrigation Project:																																
18	MAROCONG Irrig. Project	II	1,250			162,500																										
19	MALAG RIP	II	2,750			375,000	450		50,000	800		125,000	400		100,000	1,100		100,000														
Sub-Total			4,000			537,500	450		50,000	1,050		157,500	900		165,000	1,100		100,000														
Total			6,750	160		850,000	830		111,500	1,420		213,000	1,400		240,000	1,550	50	171,250	370	50		124,250										

**Annex Table 44: NIA FIVE(5) YEARS IRRIGATION DEVELOPMENT PROGRAM
PROVINCE OF BASILAN
CY 2003-2007**

I. Total Potential Irrigation Area for Development : 1,035.0 ha
II. Total Service Area : 346.0 ha
III. Remaining Area for Development : 689.0 ha

Category Project Location	Congressional District	Target Area (Ha)		Fond Source	Est. Cost (P'000)	CONSTRUCTION YEAR											
		New	Rural/Road/Improved			2003		2004		2005		2006		2007			
						Area	Capital Outlay (P'000)	Area	Capital Outlay (P'000)	Area	Capital Outlay (P'000)	Area	Capital Outlay (P'000)	Area	Capital Outlay (P'000)		
																New	Rural/Road/Imp.
COMMUNAL IRRIGATION SYSTEMS/ PROJECTS (CIS/CIP)																	
1. Tablisan CIS, Isabela	LONE		24		1,500.00												
2. Lantian CIS, Lantian	LONE		160		20,000.00												
3. Mahwahay CIP, Mahwah	LONE	40			4,000.00		40				100					40	2,000.00
4. Pali CIP, Maluso	LONE	20			2,000.00		20										
5. Sapit Bulak CIP, Sumirip	LONE	50			21,000.00		50										
6. Basak CIS Sumirip	LONE		15		1,500.00			15									
7. Binangan CIP, Isabel	LONE	30			2,500.00												
8. Mangat CIP, Lantian	LONE	100			10,000.00												
9. Mangat CIP, Sumirip	LONE	150			15,000.00					150							
10. Patian Bauro CIP, Lantian	LONE	80			8,000.00										80	8,000.00	
11. Tambelangan CIP, Maluso	LONE	50			5,000.00										50	5,000.00	
12. Tubigan CIP, Maluso	LONE	50			5,000.00										50	5,000.00	
13. Contracis, Lantian	LONE		75		2,000.00												25
14. Lahi-Lahi CIP, Lantian	LONE	15			2,000.00											15	2,000.00
15. Sengal CIP, Lantian	LONE	40			4,000.00											40	4,000.00
16. Cidobos CIP, Lantian	LONE	15			2,000.00											15	2,000.00
17. REGIP, Various Mun.	V. Mun.	75			500.00		15								15	500.00	
18. FSDS of Various CIPs/CISs	V. Mun.				500.00												500.00
TOTAL FOR BASILAN		715	274		110,000.00	125	84	145	15	26,000.00	165	100	195	85	135	0	18,500.00
TOTAL FOR BASILAN		715	274		110,000.00	125	84	145	15	26,000.00	165	100	195	85	135	0	18,500.00

**Annex Table 45: NIA FIVE(5) YEARS IRRIGATION DEVELOPMENT PROGRAM
PROVINCE OF SULU
CY 2003-2007**

I. Total Potential Irrigation Area for Development : 2,710.0 ha
 II. Total Service Area : 699.0 ha
 III. Remaining Area for Development : 2,011.0 ha

Category Project Location	Congressional District	Target Area (Ha)		Fund Source	End. Cost (P'000)	CONSTRUCTION YEAR											
		New	Rehab/Imp			2003		2004		2005		2006		2007			
						New	Rehab/Imp	New	Rehab/Imp	New	Rehab/Imp	New	Rehab/Imp	New	Rehab/Imp		
COMMUNAL IRRIGATION SYSTEMS/PROJECTS (CIS/CIP)																	
1. Anuling CIS, Palatul	1st Dist		10	No fund	1,000.00												
2. Tagbak CIS, Buansa	-do-		38	Source yet	1,500.00												
3. Timbunan CIP, Indanan	-do-	100		-do-	10,810.00												
4. Nabayan CIP, Pultol	-do-	30		-do-	4,430.00	25					4,000.00						
5. Kaniham CIP, Indanan	-do-	100		-do-	10,000.00	30					3,000.00	75					
6. Naital CIP, Mainbung	-do-	30		-do-	4,430.00						4,000.00						
7. Tawang CIP, Taligao	-do-	60		-do-	9,610.00						610.00	30					
8. Alubajab CIP, Parang	-do-	50		-do-	6,040.00						3,000.00						
9. Tumunay CIP, Parang	-do-	50		-do-	6,040.00						3,000.00						
10. Parang CIP, Parang	-do-	20		-do-	480.00												
11. FSDE OF VARIOUS MUN.					2,196.00												
12. Amindas CIS, Luuk	2nd Dist		150	No fund	4,000.00												
13. Kan-Bushi CIP, Luuk	-do-	40		Source yet	7,000.00												
14. R. Ag-Buan CIS, Siasi	-do-		36	-do-	2,000.00	40											
15. T. Jilong CIP, Siasi	-do-	50		-do-	8,000.00												
16. Kan-Jamod CIP, Siasi	-do-	50		-do-	8,000.00	50											
17. Kula-bolilik Kulanaw CIP	-do-	50		-do-	8,000.00	50											
18. Pang CIP, Camulan	-do-	30		-do-	6,000.00												
19. Panapo CIP, Panamao	-do-	30		-do-	6,000.00												
20. Kan-Pabaw CIP, Luuk	-do-	30		-do-	6,000.00	30											
21. Balawak CIP, Luuk	-do-	20		-do-	4,000.00												
22. Baszak Tugkuran CIP, Luuk	-do-	30		-do-	6,000.00	20											
23. Likobon Nangkuan CIP, Luuk	-do-	20		-do-	4,000.00												
24. Lagaran CIP, Luuk	-do-	15		-do-	3,000.00												
25. Tubig Daboth CIP, Luuk	-do-	15		-do-	3,000.00												
26. Limso-Limbo CIP, Luuk	-do-	25		-do-	5,000.00												
27. Pitalud Angilan CIP, Luuk	-do-	20		-do-	4,000.00												
28. Gambil CIP, Luuk	-do-	28		-do-	6,000.00												
29. Andarin CIP, Luuk	-do-	27		-do-	6,000.00												
30. Hawlichwet CIP, Luuk	-do-	30		-do-	6,000.00												
31. Pang-Kuan CIP, Luuk	-do-	25		-do-	5,000.00												
32. Kan-Mitani CIP, Luuk	-do-	40		-do-	8,000.00												
33. Bursalam-Andahan CIP, Luuk	-do-	35		-do-	7,000.00												
34. Kanimba CIP, Luuk	-do-	35		-do-	7,000.00												
35. Bud Dakula CIP, Luuk	-do-	30		-do-	6,000.00	30											
36. Kan Jaddai CIP, Luuk	-do-	10		-do-	380.00												
37. FSDE OF VARIOUS MUN.	-do-			-do-	2,476.00												
TOTAL FOR SULU																	
		1125	224		194,392.00	80	159	75	390	46,040.00	195	0	28,000.00	280	0	45,000.00	27,090.00

Annex Table 46: NIA FIVE(5) YEARS IRRIGATION DEVELOPMENT PROGRAM
PROVINCE OF TAWI-TAWI
CY 2003-2007

I. Total Potential Irrigation Area for Development : 6,040.0 ha
II. Total Service Area : 146.0 ha
III. Remaining Area for Development : 5,894.0 ha

Currgway Project Location	Congressional District	Target Area (Hs)	Flood Source	Estid. Cost (P'000)	CONSTRUCTION YEAR											
					2003			2004			2005			2006		
					Area	Capital Outlay (P'000)	Acres	Area	Capital Outlay (P'000)	Acres	Area	Capital Outlay (P'000)	Acres	Area	Capital Outlay (P'000)	Acres
					New	Subd./Repl./Imp.	Net	Subd./Repl./Imp.	Net	Subd./Repl./Imp.	Net	Subd./Repl./Imp.	Net	Subd./Repl./Imp.	Net	
COMMUNAL IRRIGATION SYSTEMS/PROJECTS (CIS/PIP)																
1. Sula CIS, Bongao	LONE	15	BSTP	5,000.00												
2. San-Kaban CIP, Bongao	LONE	15	BSTP	4,100.00												
3. Parangin CIP, Sapa-sapa	LONE	500	Na-Band	50,000.00	100	3,100.00	15	100	1,000.00							
4. Karatagan CIP, Bongao	LONE	30	Sorize	6,000.00	20	6,000.00			10,000.00	100						
5. Marang-Sumail CIP, Languyan	LONE	30	yet	6,500.00	30	8,500.00										
6. Sibah-Mangah CIP, Languyan	LONE	30	40s	6,500.00	30	6,500.00										
7. Tubar-Libay CIP, Languyan	LONE	30	40s	15,000.00	30	4,000.00			6,000.00	50						
8. Bueriz CIP, Languyan	LONE	30	40s	10,000.00	30	4,000.00			6,000.00	50						
9. Sumail CIP, Languyan	LONE	15	40s	3,000.00	15	3,000.00										
10. Marabang CIP, Bongao	LONE	40	40s	7,500.00	40	3,500.00			4,000.00	100						
11. Marabang CIP, Bongao	LONE	500	40s	50,000.00	15	3,500.00			10,000.00	150						
12. Seratani CIP, Languyan	LONE	15	40s	3,000.00												
13. Karat CIP, Panglima Sugala	LONE	60	40s	10,000.00												
14. Busay CIP, Panglima Sugala	LONE	50	40s	9,000.00												
15. Sash-Lake CIP, Mangen	LONE	60	40s	3,000.00												
16. Maluan CIP, Panglima Sugala	LONE	52	40s	3,200.00	52	3,200.00			3,000.00	50						
17. Tugay CIP, Languyan	LONE	15	40s	1,500.00	10	1,000.00										
18. Tugay CIP, Languyan	LONE	20	40s	1,500.00	20	1,500.00										
19. Tugay CIP, Languyan	LONE	24	40s	25,000.00	24	32,000.00										
20. Kibabuh PIP, Tapoluhass	LONE	20	40s	7,500.00	20	4,000.00			3,500.00							
21. New farmland PIP	LONE	15	40s	7,500.00												
22. Chupayan PIP, Tapoluhass	LONE	15	40s	7,500.00												
23. Mosok Mangkawa PIP, Siraamul	LONE	50	40s	7,500.00												
24. ESDE of Vannus CIP/PCS	V. Mun.		40s	3,167.00		1,167.00										
Source: Bureau of Land Development																
TOTAL FOR TAWI-TAWI		1624	82	237,130.00	254	82	66,730.00	270	0	56,890.00	265	0	33,000.00	365	0	24,500.00