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**MEMORANDUM CIRCULAR**

**No. 2009- 03**

**SUBJECT: Supplemental guidelines and procedures in the implementation of the Upland Development Program**

In support of the government's *Economic Resiliency Plan: Comprehensive Livelihood and Emergency Employment Program (CLEEP)* and pursuant to DENR Memorandum Circular 2008-04 entitled "*The 2009 Upland Development Program (Reforestation and Agroforestry)*", as well as to guide UDP implementors and participants towards a common framework and understanding of the mechanics for implementation, the following supplementary guidelines and procedures are hereby issued:

**Section 1. Objectives.** The Program's specific objectives are:

- 1.1 Create additional and immediate employment and incomes for poor upland households and people's organizations;
- 1.2 Pump-prime the local economy through the infusion of public investments in forestlands development;
- 1.3 Improve the productivity and soil and water conservation functions of forestlands currently cultivated as upland agricultural farms through agroforestry; reforestation, assisted natural regeneration and enrichment planting in public forestlands and protected areas;
- 1.4 Rehabilitate, effectively manage, and protect forests and forestlands, watersheds, mangroves, urban forest parks, coastal zones, protected areas, and protection forestlands considering the roles of these areas in providing water for irrigation, power, and municipal water systems, in the provision of vital forest-based goods and services, in the conservation of biodiversity resources, and in the mitigation of, and adaptation to, climate change;
- 1.5 Demonstrate measurable and verifiable improvements in the quality of life of upland communities, the provision of environmental goods and services, including increasing forest cover, enhancing food and fuelwood production in the uplands and coastal areas, improving water yield and quality of watersheds, soil conservation, biodiversity conservation and climate change mitigation and adaptation.

**Section 2. Scope and coverage.** This memorandum circular prescribes the procedures for the engagement of program implementors, the development planning process, cost standards, financial management and quality control, monitoring, assessment, reporting, program audit, and overall implementation.

2.1 Areas for development. The UDP development activities shall be directed mainly to the upland areas of the provinces identified as priority under the Accelerated Hunger Mitigation and Poverty Alleviation Program; the watersheds of major irrigation, power and municipal water systems; the headwaters of major river systems or river basins; highly vulnerable protection forestlands, mangroves, urban and coastal areas; areas affected by natural calamities, and degraded areas in protected areas<sup>1</sup>. These development activities shall comprise:

- 2.1.1 establishment and operations of fruit-bearing and forest tree nurseries by people's organizations (POs);
- 2.1.2 development of individual upland farms through the implementation of agroforestry techniques;
- 2.1.3 reforestation of grassland areas in the Community-Based Forest Management (CBFM) or Community-Based Natural Resource Management (CBNRM) area, as identified in the existing Comprehensive Development and Management Framework and work plans of the POs;
- 2.1.4 reforestation of degraded areas in priority watersheds and protected areas;
- 2.1.5 implementation of assisted natural regeneration (ANR) in appropriate areas of the CBFM/CBNRM areas, in priority watersheds, and in protected areas;
- 2.1.6 conduct of enrichment plantings (EP) in sparsely-wooded grasslands, mangroves and tidal flats;
- 2.1.7 revegetation of streambanks through ANR or enrichment planting (ANR/EP), or both;
- 2.1.8 development of urban forest parks; and
- 2.1.9 maintenance and protection from fire, pest and diseases of the established tree plantations.

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<sup>1</sup> The areas needing rehabilitation in identified critical watersheds and protected areas have been determined through GIS analysis, and herewith listed in *Annex A*.

2.2 Implementing partners and scope of work. The program shall be implemented by engaging the following development partners/implementors, who shall not be related to DENR officials and employees up to 3<sup>rd</sup> degree of consanguinity provided, that this prohibition shall not apply to a farmer or group member who is an actual tiller of the area where the project is located, and is certified under oath by the concerned DENR official or employee that said relative depends solely on his/her farm for his/her livelihood.

2.2.1 People's organizations (POs)<sup>2</sup> engaged in the Community-Based Forest Management (CBFM) strategy and in similar community-based natural resources management (CBNRM) work, which shall be provided financial and technical assistance to establish nurseries and to produce the tree seedlings for reforestation, agroforestry, or ANR/EP in their respective CBFM/CBNRM areas. These nurseries shall be maintained in the future to continue to produce the seedling requirements for their CBFM/CBNRM development work. The POs may tap the services of senior citizens and in- and out-of-school youth, who may or may not be members, in this undertaking.

2.2.2 Individual farmers who are active members of the PO cited above shall be provided financial assistance for the procurement of appropriate quality fruit tree seedlings, seeds of cash crops and high-value crops, and such other farm inputs as are necessary to develop their farmlots into agroforestry farms<sup>3</sup>. Forest tree seedlings for interplanting in their farmlots shall come from their nursery as stated in 2.2.1 above.

2.2.3 The PO engaged in 2.2.1 above and individual households shall also be contracted to reforest, through planting or in combination with ANR/EP, grasslands, sparsely wooded lands or degraded streambanks within their CBFM/CBNRM area including first cycle maintenance and protection. In order to attain more effective impact of the development undertaken, as well as to ensure better protection from wildfires, their areas to be developed should be clustered together. Forest tree seedlings for reforestation shall come from their nursery as stated in 2.2.1 above.

2.2.4 Other upland farmer households, senior citizens, in- and out-of-school youth may also be contracted individually to undertake reforestation including first cycle maintenance and protection, in other untenured forestlands within the same barangay where UDP development activities are directed, provided that they are bona fide residents of that barangay. In order to attain more effective impact of the development undertaken, as well as to ensure better protection from wildfires, their areas to be developed should be clustered together. Forest tree seedlings for their

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<sup>2</sup> For purposes of the UDP, the term PO as used in these guidelines shall include **Indigenous Peoples (IP) organizations** acknowledged as such by the National Commission on Indigenous Peoples (NCIP), **local religious organizations, local women's organizations, and the like.**

<sup>3</sup> DENR staff should allocate areas to implementor partners keeping in mind to equitably involve as many households as possible to satisfy the poverty and hunger mitigation program of UDP.

reforestation shall be initially sourced out from DENR nurseries, or from the nurseries of POs as stated in 2.2.1. However, seedlings sourced out from DENR shall be replenished by the PO contracted to raise the seedlings.

2.2.5 Barangay LGUs and civil society organizations may be provided technical and material inputs for the establishment of urban forest and tree parks in their respective localities.

2.3 Technical and support services from DENR. Technical and support services shall include, but not be limited to:

2.3.1 conduct of consultation meetings among and between members of CBFM/CBNRM people's organizations, upland households, barangay officials, LGU executives and agricultural officers of the municipal and provincial governments, and representatives of other agencies and organizations, colleges and universities, business and religious groups and other civil society organizations, who may be able to support upland farmers and other implementors of this program.

2.3.2 conduct of ground surveys and mapping of the areas identified by the participating POs, farmers and organizations for development; these surveys and maps shall be part of the inputs to the preparation of area development agreements and work and financial plans with the POs, farmers and implementing organizations;

2.3.3 provision of technical extension services on nursery and reforestation techniques, agroforestry methods, assisted natural regeneration and forest enrichment planting practices, and forest fire management<sup>4</sup>;

2.3.4 capacity building, monitoring, assessment and reporting, documentation and mapping of development accomplishments.

DENR field offices and program implementors shall, when appropriate and applicable, link agroforestry production activities in the locality to the raw material requirements identified by the Department of Trade and Industry and the local government units under the "One Town One Product" (OTOP) concept.

**Section 3. Program targets, area and budget allocation.** The UDP budget shall be utilized for the development of areas identified in Section 2 and **Annex B** hereof, provided, that project areas already being supported by development resources from donor agencies and local funding shall not be included.

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<sup>4</sup> Refer to the DENR Greenbook Series: Production of Planting Materials (Greenbook 1; Procedures and Techniques in Planting (Greenbook 2); and Care, Maintenance and Protection of Planted Seedlings (Greenbook 3)

DENR personnel shall be guided by the program objectives of hunger mitigation, employment and income generation for upland farmers, and pump-priming of the rural economy, coupled with the principle of achieving maximum economic and environmental impacts for public resources invested in this program. For these reasons, the distribution of resources and development targets under UDP shall, as much as possible and as appropriate at the watershed landscape level, be as follows:

- 3.1 forty percent (40 %) for agroforestry development of upland farms
- 3.2 forty percent (40 %) for reforestation of grasslands; and
- 3.3 twenty percent (20%) for assisted natural regeneration, enrichment planting, stream bank revegetation, and mangrove plantings, or *combinations* thereof, and urban forest parks development.

The above distribution shall apply at the provincial level or watershed level, and not necessarily at the individual project site level. At the site (CBFM/CBNRM area) level, the distribution will depend on the development requirements as set out in the CBFM/CBNRM development frameworks (CRMF) and work plans, or through consensus among the PO members and other participating implementors guided by technical inputs of DENR field staff based on overall development needs of the watershed or protected area within which the development activities shall be implemented. DENR field implementors should recognize that the mix of development approaches decided on for a province, watershed, or protected area have major cost (and resulting target areas and employment) implications because of the variance in unit development costs across approaches.

#### **Section 4. Organization and pre-development activities**

##### 4.1 Organizational arrangements within the DENR

The Regional Executive Director (RED) shall organize a *regional task force* composed of staff from the various sectoral services and support units of the regional office. The regional task force shall render planning and financial management support, as well as provide guidance and technical manuals, publications and similar material; to the Provincial Environment and Natural Resources Offices (PENROs), Community Environment and Natural Resource Offices (CENROs), provincial UDP task forces and PO implementers, upland households and other implementing organizations.

The REDs shall likewise initiate the organization of *provincial UDP task forces*, composed jointly of PENRO and CENRO staff<sup>5</sup> which shall be dedicated to undertaking the field activities in the implementation of the program. These task forces shall be under the direct supervision of the

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<sup>5</sup> Where there are areas within protected areas lined up for the UDP, the PASu shall be a member of the task force

PENRO while the CENROs shall oversee the day-to-day work of these task forces in their respective areas of jurisdiction.

At least one provincial task force shall be organized to undertake the following activities:

- i. identification of final areas<sup>6</sup> to be developed, and the POs, individual PO member, other upland farmer households, barangay council and other civil society organizations who will be engaged<sup>7</sup> in the development of these areas;
- ii. consultations with the POs and participating organizations in the watersheds, protected areas and other areas decided upon in (i), in order to get their concurrence and commitment to implement the program, and decisions on the land development mode(s) to be implemented in their respective areas;
- iii. joint formulation of detailed development work and financial plan with the PO, households or participating organizations, the finalization of Letters of Agreement, and other requisite documentation, for the commencement of development work;
- iv. continuous provision of technical advice and coaching to ensure that the development work set out in the development work and financial plan is undertaken by the PO and other implementors according to schedule and standards set out in these guidelines;
- v. assistance to PO and other implementors in documentation to support payment requests for the land development activities implemented.

Another provincial task force shall be organized and dedicated to (1) undertake ground survey and mapping of the areas identified and agreed upon for development<sup>8</sup>, in accordance with standards for forest surveys of DENR; (2) prepare maps and related documents to support the final Letters of Agreement executed by and between the PO and other implementing organizations or households, and DENR as facilitated by the provincial task force referred to previously; (3) integrate the survey results and maps into the FIS and GIS control maps in the CENRO, PENRO and regional offices; and (4) during implementation of land development work, undertake ground

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<sup>6</sup> The identification of final areas will be part of the process described in the subsection 4.2 *Determination of areas for UDP and selection of participant-implementors*.

<sup>7</sup> Lists of priority watersheds, protected areas, and other priority development areas, together with People's Organizations in these areas, and the indicative targets, were previously submitted by the field offices to the Central Office. These were matched with GIS analysis of identified priority areas and watersheds and other prioritization parameters of UDP. The indicative 2009 UDP targets are given in Annex B.

<sup>8</sup> The survey and mapping of areas shall commence only after the process of choosing the final areas and implementors is completed, as described in the subsection *Determination of areas for and participant-implementors*

validation and documentation of work accomplished by POs and other implementors, to support their payment requests.

#### 4.2 Determination of areas and selection of participant-implementors

The priority areas for development, their locations, and the prescribed land development modes are listed in Annex B (see footnote #7) The determination of specific areas, locations, implementing organizations and development modes shall be through the following process:

4.2.1 The PENRO, through the *provincial UDP task force*, shall issue an invitation for submission of *letters of intent*<sup>9</sup> to undertake UDP development in the barangays identified in the aforementioned long-list of areas. Such call for letters of intent shall be in writing, preferably in the local dialect, and posted in the respective barangay halls, municipal halls and other public places where the long-listed areas are located (see **Annex C-1 to C-4** format of call for letters of intent). The PENRO shall also inform other government officials concerned of such undertaking.

4.2.2 The call for letters of intent shall, among others, contain the following:

- 4.2.2.1 The extent (area) of the pre-identified (in the long-list) development site;
- 4.2.2.2 The indicative extent (area) for reforestation, agroforestry, ANR/EP, etc., within the area;
- 4.2.2.3 The express condition that submissions by POs involved in community-based forest or protected areas management in the locality, shall be given high preference. These POs are:
  - i. holders of active tenurial instruments in CBNRM (e.g., CBFMA, PACBNRMA, CSC, CCFS, FLMA, etc.), or
  - ii. are in the process of acquiring the appropriate tenurial instrument in CBNRM, and actively engaged in CBFM/CBNRM implementation in the uplands.
  - iii. duly-registered organizations in the context of the community-based forest or resource

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<sup>9</sup> The letters of intent to participate is just that, an expression of interest to implement UDP in the area subject of the call. It is NOT a detailed, or even an indicative, development plan; the latter will be undertaken jointly between DENR staff and the implementing organization or household when the area and the organization is finally chosen as a UDP area.

management (CBFM/CBNRM) strategy (EO 263).

- iv. indigenous people's groups with valid ancestral domains claims, or ancestral domains titles, under the IPRA.
- v. in case the long-listed area is located within the CBFM/CBNRM areas of the submitting PO (in the case of items i to iii above), or within CADC/CADT areas of the submitting IP organization (as in the case of item iv above), the submission of the PO/IP concerned will be accepted first. Only if the PO/IP or group concerned expressly indicates, in writing by their Board of Directors, Council of Elders, or their governing body, that they are allowing another organization to signify its intention over the area, may the outsider organization's submission be accepted.
- vi. for urban forest parks development, high priority shall be accorded to the barangay LGUs who have jurisdiction over these areas.

4.2.2.4 provision for non-CBFM/CBNRM organizations, out-of-school youth and individual heads of households in the barangay who may opt to participate;

4.2.2.5 A *pro forma* letter of intent (see **Annex D-1 to D-4**) which the submitting organizations and other partners could easily accomplish and submit to DENR.

4.2.3 The call for letters of intent shall indicate the deadline for submission, which should be within 30 calendar days from the date of posting, or the immediately succeeding working day if the 30th day is a non-working day.

4.2.4 It should be explicitly stated in the call for letter of intent that such should be submitted to, and officially received and acknowledged by, the records office of the CENRO which has jurisdiction over the area, to be forwarded to the Provincial Task Force.

#### 4.3 Appraisal of letters of intent to undertake UDP

Within seventy-two (72) hours from the closure of acceptance of letters of intent, the PENRO shall convene and chair a joint meeting of the *Provincial UDP Task Force* and the *Regional UDP Task Force* to appraise the submissions



of letters of intent for one or several long-listed UDP areas in the province. Representatives of the municipal and provincial development offices and agriculture offices, local civil society and religious organizations shall be invited as observers. The result of the appraisal shall be the decision on the final sites and areas, development modes to be undertaken in the chosen site(s), and the implementor(s).

The outcome (decision on areas<sup>10</sup>, development modes and implementor) requires that a set of criteria should have been formulated way beforehand. For this purpose, the Regional Task Forces shall prepare, and the RED shall approve, the criteria and evaluation methods to be used uniformly throughout the region. A region-specific set of criteria and methods is appropriate since there are region-specific factors that need to be considered, such as but not limited to: (1) within-region priorities between the various watersheds and river systems, (2) relative levels of upland poverty in the different municipalities and barangays, (3) the priorities set out in the Regional Investment Plan for the Philippine Forestry Master Plan and other related ENR plans in the regions and provinces, (4) level of current and future support to upland development by the local governments concerned, and (5) priorities on where forest rehabilitation and forestland management should be focused.

These criteria and evaluation methods should likewise be posted in local government and barangay centers, and in other public places.

The joint task forces shall complete their appraisals for each session (involving one, several, or all sites in the province) *within forty-eight (48) hours upon convening*. A complete set, and copies, of documentation of the submissions, appraisal and evaluation process, and *final decisions* on area, location, development modes and implementors shall be distributed immediately as follows: originals on file at the PENRO and a complete set of certified copies for the CENRO concerned, regional office and FMB. Simultaneously, the joint task forces shall prepare communications to all submitting parties: (1) to the proponents who were chosen to be implementors, informing them likewise that they *and the provincial UDP task force* should immediately convene to prepare the detailed implementation plans and Letter of Agreement (LOA) for UDP implementation; (2) to the proponents whose proposals were not considered, informing them of the reasons for not having been chosen, but likewise informing them that their proposals will be kept open for consideration in the future when additional UDP resources are available. These communications shall be signed by the PENRO as convening chairperson, and all members of the joint task forces that convened. These communications should be sent immediately to the parties concerned, preferably through the DENR messengerial services, or by special registered mail.

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<sup>10</sup> The task forces should note that there are indicative area allocations by development modes per province, either derived from the FMB iterations presented beforehand to the REDs or the final provincial targets set by the ORED.

#### 4.4 Area development planning and final agreements

Within five (5) working days from the promulgation of the decisions of the joint regional and provincial task forces, the two provincial task forces shall be mobilized by the PENRO to undertake consultations, ground planning, surveys and mapping, and other predevelopment activities with the organizations and implementors (see para 2: *Organizational arrangements within DENR* above). The task forces should organize their deployment and work assignments so that this phase of the work would be completed within 5 days for each PO or group of implementor in a site.

The final output of this activity shall be a work plan together with the supporting maps, physical target specifications, and financial disbursement schedules. This should be confirmed jointly by the members of the task force(s) and the appropriate representatives of the implementing POs or organizations. A Letter of Agreement to implement the agreed-upon plan shall likewise be prepared (see LOA templates, **Annexes E-1 to E-4**) to be signed by the implementor and the CENRO. The LOA for individual PO members shall be supported by a certification by the PO chairman of their membership. A Notice to Proceed shall then be issued to the PO or other implementors by the CENRO within two (2) days after signing of the LOA.

The CENRO, PENRO and Regional Office shall prepare a registry of all agreements or contracts entered into by and between the DENR and implementors for submission to the National Program Management and Advisory Committee (NPMAC) through the National Technical Working Group (NTWG). These lists shall also be provided to local chief executives of the municipalities/provinces as well as to religious organizations and academic institutions where the development projects are located. The lists shall likewise be posted in public places such as municipal and barangay halls. The posting shall include among others, the names of partner implementors, location, activities to be undertaken, timetable and development cost.

#### 4.5 Quality control and safety nets

**4.5.1 Establishment and operations of a nursery for each project site.** This nursery shall cater to the planting requirements of reforestation, agroforestry, ANR, enrichment plantings, mangrove rehabilitation and streambank protection. It shall be strategically located within the target planting site in the CBFMA, PACBRMA or similar tenurial instrument area. The nursery shall have a facility for composting. To improve the quality of seedlings and ensure high survival rate, 4 X 6 polyethylene plastic bags shall be used.

4.5.2 Production of quality planting materials<sup>11</sup>. Seeds shall be sourced, as much as possible, from selected mother trees or seed stands identified by the DENR-ERDS. Use of indigenous species is highly encouraged, especially for assisted natural regeneration and enrichment planting. When appropriate and available, the use of cloned-planting materials is encouraged. Seedlings produced shall be distributed to both PO-members who are participating, and to non-member implementing households, provided, that the cost of seedlings provided to the latter from these PO nurseries should be reimbursed to the PO out of the contract cost of the non-PO member.

4.5.3 Use of indigenous species, where appropriate. Subject to the requirements in accordance with the Wildlife Resources Conservation and Protection Act (RA 9147), collection of wildlings may be allowed provided that appropriate and acceptable collection techniques with least or no detrimental effects to the wildlife population and their habitats shall be employed. The collected wildlings shall be planted only within the natural range of the species to enhance its wild population.

4.5.4 Procurement of high quality planting materials for agroforestry. Procurement of quality propagated planting stocks of fruit trees and seeds for short term agricultural crops and other high value agronomic crops for agroforestry development shall be provided for in the development phase of agroforestry farms. The implementor(s) shall be encouraged and trained to raise their preferred agroforestry planting materials for the subsequent phases.

4.5.5 Outplanting. For reforestation species the prescribed site preparation methods, spacing, and planting (4m x 4m, 4m x 3m, 3m x 3m, 2m x 4m or 2m x 3m) depending on the species and site condition shall be followed. For agroforestry, the spacing for fruit trees and nitrogen fixing trees shall range from 5m x 5m to 10m x 10m depending on the species. The planting of nitrogen-fixing hedgerows (e.g. kakawate, ipil-ipil, kadios, calliandra, etc), fuelwood, food crops and high value agronomic crops should be emphasized in agroforestry<sup>12</sup>.

4.5.6 Protection and maintenance of plantations. Protection of the plantations against pest and diseases, astray animals and forest fire shall also be of high priority. First cycle maintenance and protection shall include ring weeding, application of organic fertilizer, replacement of mortality, construction of firelines/firebreaks. Forest protection patrols, fire prevention and fire suppression shall be provided by the PO members as their counterpart inputs. A minimum survival rate of ninety-five percent (95%) for all trees planted shall be required.

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<sup>11</sup> For reforestation, ANR and enrichment planting, and for production of forest tree species in agroforestry only. Fruit trees for agroforestry will be purchased from commercial growers, while trees and plants for urban forest parks will be sourced from DENR and LGU nurseries.

<sup>12</sup> Refer to the DENR Greenbook Series referred to in footnote # 4.

## **Section 5. Development Cost Standards**

The standard costs for the first year implementation of the three (3) development modes are presented below:

- 5.1 Nursery establishment and management - one hectare nursery at PhP50,000.00 or a fraction thereof, for every 100 hectares planned for reforestation and agroforestry development at each PO site, or the proportionate nursery size if the development area is less than 100 hectares.
- 5.2 Planting stock production – costed at PhP 5.00 per seedling based on requirement for the reforestation area development, and for forest trees for agroforestry. This cost of production shall include cost of organic fertilizer and botanic pesticide for nursery use. DENR technical field staff should explicitly indicate in the nursery contracts the specifications (root collar diameter and height) of seedlings as final output, based on the species used<sup>13</sup>. The seedlings to be produced should be at least one (1) cm diameter at root collar and forty (40) cm high at the time of outplanting

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<sup>13</sup> Standards for production of planting materials are provided for in *Forest Management Bureau-Department of Environment and Natural Resources.2007. Greenbook 1: Production of Planting Materials. Visayas Ave., Diliman, Quezon City, Philippines. 143 pp.*

## 5.3 Site Development

### 5.3.1 Reforestation

Activities	Unit of Work Measure	Unit Cost	Spacing (3m x 3m)		Spacing (4m x 3m)		Spacing (4m x 4m)		Ave. Cost/ha
			Target/ha	Cost/ha	Target/ha	Cost/ha	Target/ha	Cost/ha	
<b>Site Development/land improvement</b>				<b>7,868</b>		<b>6,174</b>		<b>4,628</b>	<b>6,223</b>
Site Preparation (brushing, staking & hole digging)	mandays	233*	17.00	3,961	12.78	2,978	9.58	2,232	<b>3,057</b>
stakes	stakes	1	1,111	1,111	833	833	625	625	<b>856</b>
Outplanting	mandays	233*	12	2,796	10.14	2,363	7.60	1,771	<b>2,310</b>
<b>First cycle Maintenance and protection</b>				<b>5,031</b>		<b>4,042</b>		<b>3,301</b>	<b>4,124</b>
Ring weeding, replanting and organic fertilizer application	mandays	233*	9.26	2,157	6.94	1,618	5.21	1,214	1,663
Organic fertilizer	50 kg bag	450	4.00	1,800	3.00	1,350	2.25	1,013	1,387
Fireline construction and maintenance	mandays	233	4.17	971	4.17	971	4.17	971	971
Fire prevention and patrol work	mandays	233*	0.44	103	0.44	103	0.44	103	103
<b>Subtotal</b>				<b>12,899</b>		<b>10,216</b>		<b>7,929</b>	<b>10,347</b>

\* subject to 7% VAT

N.B.: Labor wage rates prevailing in the region shall be adopted, and the contract cost adjusted accordingly

### 5.3.2 Assisted Natural Regeneration and Enrichment Planting

Assisted natural regeneration and enrichment planting, approximately 5m x 5m spacing

Area = 1 ha

Species = indigenous tree species, release tree regenerants by weeding or tamping

Activities	Unit of Measure	Unit Cost	Target/ha	Cost/ha
<b>Outplanting</b> (Including weeding of regenerants)	mandays	233*	33	<b>7,689</b>
<b>First Cycle Maintenance and protection</b>				<b>1,456</b>
Ring weeding, replanting and organic fertilizer application	mandays	233*	3.33	<b>777</b>
organic fertilizer	50 kg bag	400	1.4	<b>576</b>
Fire prevention and patrol work	mandays	233*	0.44	<b>103</b>
<b>Subtotal</b>				<b>9,145</b>

\* subject to 7% VAT

N.B.: Labor wage rates prevailing in the region shall be adopted, and the contract cost adjusted accordingly

### 5.3.3 Agroforestry

Agroforestry Development (Fruit trees, 5m x 5m to 10m x 10m spacing Interplanting of high value cash crops)

Area = 1 ha

Species = forest tree species, fruit trees in combination with cash crops, nitrogen fixing trees, fuelwood and hedgerows (e.g., kakawate, katuray, kadios, calliandra)

Activities	Unit of Measure	Unit Cost	Target/ha	Cost/ha
<b>Procurement of planting materials</b>				
Fruit trees, nitrogen fixing trees, hedgerows, planting stocks	seedlings	60	225	13,500
High-value cash crops and nitrogen fixing trees (seeds procurement) & planting stocks of fuelwood spp	1 lot	5,000	1	5,000
<b>Land Improvement</b>				
<b>Planting</b>	mandays	233*	5.00	1,165
<b>Establishment of soil and water conservation measures e.g. hedgerows, contouring</b>	mandays	233*	5.00	1,165
<b>First cycle maintenance and protection</b>	mandays	233*	5.00	1,165
Organic fertilizer	50 kg bag	400	18	7,200
Organic pesticides	liter	1,500	2	3,000
<b>Subtotal</b>				<b>32,195</b>

\*subject to 7% VAT

N.B.: Labor wage rates prevailing in the region shall be adopted, and the contract cost adjusted accordingly

- 5.4 The Project Management and Support Services which shall not exceed 15% of the development cost shall be allocated to cover the cost for survey, progress monitoring of the specific area to be developed and GIS-mapping (amounting to PhP1,500 per hectare). There shall be an amount allocated for the purchase of fire suppression tools and equipment<sup>14</sup> amounting to PhP 400.00 per hectare. This is to ensure protection from wildfires of the established forest plantations, ANR/enrichment planting and agroforestry areas.

Purchase of fire suppression tools and equipment shall be undertaken by the PENRO concerned based on the needs of specific sites and in accordance with government procurement procedures.

- 5.5 The cost of services (labor) in the conduct of the abovementioned activities is subject to 7% VAT which shall be deducted from every payment made to the implementor(s).

The three-year costs of site development are attached as **Annexes F1-F6** to be used as bases in forward programming of budget requirements for succeeding years for the areas developed in 2009.

<sup>14</sup> These tools and equipment shall be procured by DENR and distributed to the implementing organizations on a pro-rata basis depending on size of area developed.

**Section 6. Funds Management.** Upon issuance of the Notice to Proceed (see Section 4, paragraph 4.5), the PENRO shall release a mobilization fund not exceeding fifteen percent (15%) of the contracted development cost through a check issued in the name of the PO, implementing organization or head of household.

The mobilization fund shall be used exclusively to start up activities identified in the work and financial plan which forms part of the LOA.

Succeeding payments shall be made through progress billings based on the results of performance evaluation (see section 4, item 4.1, paragraph 3). The schedule of payments, outputs and milestones of activities shall be as follows:

a. Nursery establishment and seedling production:

Schedule of Release	Activities	Timeframe
1 <sup>st</sup> release	15% of the project cost as mobilization fund for preparation of nursery site and construction of nursery bed	Upon receipt of notice to proceed
2 <sup>nd</sup> release	60% of the project cost to be released after completion of the activities under the first tranche. This amount shall be used for the acquisition of planting materials, potting soil and organic fertilizer; sowing and potting of the target number of seedlings and application of organic fertilizer	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25% of the project cost to be released after hardening off and grading of the total number of seedlings with at least 40 cm high	after four (4) months from the 2 <sup>nd</sup> release

b. Agroforestry

Schedule of Release	Activities	Timeframe
1 <sup>st</sup> release	15% of the project cost as mobilization fund to be released for site preparation and procurement of seeds of high-value crops and nitrogen fixing plants for hedgerows and planting stocks of fuelwood species; and marking of contour lines	Upon receipt of Notice to Proceed
2 <sup>nd</sup> release	50% of the project cost to be released after completing the activities indicated in the first release. This amount shall be used for the purchase of fruit tree seedlings and organic fertilizer, planting of forest trees, fuelwood and short term agricultural crops; planting and establishment of hedgerows along contour lines; spot/strip brushing, hole digging and planting	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25% of the project cost to be released after completing the activities under 2 <sup>nd</sup> release	after four (4) months from the 2 <sup>nd</sup> release
4 <sup>th</sup> release	10% of the project cost to be released after completing the first cycle maintenance and protection activities such as strip brushing, ring weeding and replanting to meet the 95% survival rate requirement	After two (2) months from the 3 <sup>rd</sup> release

c. Reforestation

Schedule of Release	Activities	Timeframe
1 <sup>st</sup> release	15 % of the project cost for mobilization to be released for strip brushing, staking and hole-digging	Upon receipt of Notice to Proceed
2 <sup>nd</sup> release	50 % of the project cost to be released after completing the activities indicated in the first release. This amount shall be utilized for planting, application of fertilizer, ring weeding (1 pass), and spot cultivation	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25 % of the project cost to be released after outplanting at proper spacing, ring weeding, and fertilizer application	after four (4) months from the 2 <sup>nd</sup> release
4 <sup>th</sup> release	10% of the project cost after completing the construction of firelines around the plantation and replanting to meet the 95% survival rate requirement	After two (2) months from the 3 <sup>rd</sup> release

d. Assisted Natural Regeneration and enrichment planting

Schedule of Release	Activities	Timeframe
1 <sup>st</sup> release	15% of the project cost as mobilization fund for identification, staking of wildlings and ring weeding (1 meter radius)	Upon receipt of Notice to Proceed
2 <sup>nd</sup> release	50 % of the project cost to be released after the completion of the above activities. This amount shall be utilized in the conduct of the following activities: lopping off of grasses in the ANR area and ring weeding; hole digging and planting for enrichment planting	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25% of the project cost after outplanting	after four (4) months from the 2 <sup>nd</sup> release
4 <sup>th</sup> release	10% of the project cost after completing the first cycle maintenance and protection and at least 95% survival is attained	After two (2) months from the 3 <sup>rd</sup> release

The PO, implementing organization or household shall submit request for progress payments to the CENRO concerned which shall be accompanied by the following supporting documents<sup>15</sup>:

- 6.1 Progress and statement of work accomplishment (SWA) reports (see annexes 2A and 2B)

<sup>15</sup> The ground validation and mapping of physical accomplishment shall be undertaken by the second provincial task force (Section 4.1), and the collation of all supporting evidences for payment shall be done by the first provincial task force and CBFM field staff, in both cases jointly with the PO concerned.



- 6.2 Sketch map indicating the areas developed, geographically referenced by using GPS receivers
- 6.3 Photo documentation of the area developed

The provincial task force #2 shall assist the implementor in the preparation of the above supporting documents.

The PENRO shall create an Inspection and Acceptance Committee (IAC) to be composed of personnel from PENRO and CENRO wherein a representative of the PENRO shall act as Chair, and CENRO representatives as members. The IAC shall perform the following functions:

- i. Validate and inspect the accomplishments of the implementor in consonance with the approved work and financial plan within five (5) working days from receipt of the request for payment.
- ii. Submit an Inspection and Acceptance Report (IAR) and other supporting documents to the PENRO within three (3) days after inspection for processing and payment of the progress billing.
- iii. If the recommendation of IAC is for payment, the PENRO Accountant shall process the voucher within three (3) working days from receipt of the Inspection Report.
- iv. If there are deficiencies in the accomplishment, the payment shall be deferred until such time that the PO has fully complied with the deficiencies pursuant to the provisions of the LOA, which shall not exceed two (2) months.

The Task Forces and the IAC shall assume full responsibility (administrative, civil, or criminal liability) for the veracity, accuracy and authenticity of the supporting documents submitted, including entries therein to support the payment for the progress billing. Based on the said documents the PENRO Accountant shall process the Disbursement Voucher (DV) immediately. If there are deficiencies in the computation and supporting documents, the PENRO Accountant shall notify the concerned parties in order for them to comply with the requirements.

## **Section 7. Grounds for Suspension or Cancellation of LOA**

The RED concerned shall have the power and authority, after giving the implementor sufficient notice and opportunity to be heard, to suspend, cancel or rescind the LOA entered into for any of the following grounds:

- 7.1 Fraud, misrepresentation or omission by the implementor of material facts in obtaining the LOA which otherwise would have disqualified the PO or implementing organization;

- 7.2 Failure to start the project on the date specified in the LOA without just and reasonable cause;
- 7.3 Abandonment of the project area, or of the work stipulated in the LOA, for a period of at least one month from the date of discovery by DENR of such fact; or
- 7.4 Violation of, or failure to comply with, the terms and conditions of the agreement, the pertinent provisions of these Guidelines, and other ENR rules and regulations

These provisions shall not preclude the Secretary from exercising his power and authority to rescind any agreement if, subject to due process, any of the above grounds for cancellation exist, without prejudice of imposing additional penalties such as, but not limited, to reimbursement to DENR of funds already disbursed to the implementor; blacklisting of the implementor from any future DENR or other government projects, and other applicable legal sanctions and penalties.

In the event of cancellation, the DENR shall have the right to enter into an agreement with another qualified implementor to continue the development of the area.

## **Section 8. Completion and/or Termination of LOA**

LOAs executed under this Circular shall be deemed concluded upon completion of the stipulated services or project in a manner acceptable to both parties.

## **Section 9. Program Management**

The management of the program shall be undertaken pursuant to DENR Memorandum Circular No. 2008-04, Special Order No. 2008-765 and Government Procurement Policy Board Resolution No. 31 dated December 14, 2007 approving the customized procurement manuals of the DENR specifically volume 3.

### **9.1 Project Management and Support Services (PMSS)**

The cost for the provision of program and project management and support services shall be proportionate to the target area for development, equivalent to 15% of the total development costs of all projects. This shall be sub-allocated as follows: 40% to the CENRO, 35% to the PENRO, 20% to the Regional Office, and 5% to the Central Office.

The Central Office PMSS shall be shared by the DENR Central Office, Forest Management Bureau (FMB), Ecosystems Research and Development Bureau (ERDB) and Protected Areas and Wildlife

Bureau (PAWB) in such manner as shall be needed by each office as indicated in their respective UDP work and financial plans.

The PMSS fund shall be used exclusively for the conduct of survey and GIS-mapping, consultations with stakeholders and development partners, provision of technical assistance, information, education/capacity building and communication, research and development in support of UDP implementation, and monitoring and evaluation.

## 9.2 Monitoring, Assessment and Reporting (MAR) System

The UDP National Technical Working Group (NTWG) shall develop a MAR system for the program.

The UDP National Program Operations Group (NPOG) shall conduct a mid- and year-end monitoring and evaluation of program implementation in coordination with DENR regional and provincial offices.

DENR field offices together with PAMB, as in the case of protected areas, shall conduct periodic monitoring and evaluation of program physical accomplishments. The CENRO, PENRO and Regional Office shall prepare monthly progress reports for submission to the National Program Management and Advisory Committee (NPMAC) through the NTWG. The NTWG shall consolidate reports and process information for submission to the NPMAC.

The DENR Planning and Policy Studies Office (PPSO) shall initiate a program impact audit to determine the program's outcomes and impacts vis-à-vis the objectives of UDP and the goal of sustainable development of the government.

Independent organizations, such as religious organizations, academe, professional organizations and other relevant groups, shall be tapped to undertake third party peoples' audit to assess the efficiency and effectiveness of UDP implementation. For this purpose, the DENR shall ensure that full disclosure and transparency shall be observed at all times.

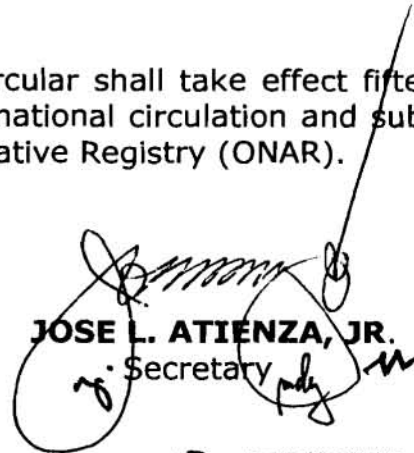
**Section 10. Support from other Institutions and Partners.** The DENR offices shall engage technical expertise from other institutions and partners to effectively implement the Program such as the Municipal and Provincial Agricultural Offices, academic institutions and civil society organizations on technologies needed for UDP implementation including capability building of POs. The DENR may pursue resource mobilization initiatives tapping the support of the corporate business sector, development partners and synergistic cooperation of government agencies (i.e. Gender and Development, Accelerated Hunger Mitigation, Convergence, etc)

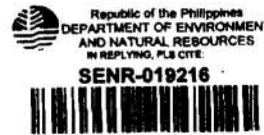
**Section 11. Development Partnership with the Agribusiness and Forest Industry Sectors.** The development of areas through partnerships with agribusiness and industry sectors shall continue to be encouraged and supported by the DENR as part of UDP, in accordance with DENR Memorandum Circular 98-08 *Guidelines on Contracting inside Community Based Forest Management Areas*.

**Section 12. Applicability.** This memorandum circular shall also serve as basis in implementing similar projects in the uplands.

**Section 13. Repealing Clause.** This Circular supersedes other issuances inconsistent herewith.

**Section 14. Effectivity Clause.** This Circular shall take effect fifteen (15) days upon publication in a newspaper of national circulation and submission of copy to the Office of National Administrative Registry (ONAR).

  
**JOSE L. ATIENZA, JR.**  
Secretary



Publication: *Malaya*  
March 9, 2009

Acknowledgement: ONAR, U.P. Law Center  
March 10, 2009

**Upland Development Program  
Potential Areas for Development**

**Annex A**

Sum of Hectare			Intervention			Grand Total
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	
ARMM	Alip Watershed	Maguindanao		1,106	38	1,143
	Alip Watershed Total			1,106	38	1,143
	Cagayan de Oro watershed	Lanao del Sur		4		4
	Cagayan de Oro watershed Total			4		4
	Lake Lanao Watershed (Less Rugnan Watershed)	Lanao del Sur	11,786	1,668	6,814	20,267
	Lake Lanao Watershed (Less Rugnan Watershed) Total		11,786	1,668	6,814	20,267
	Libungan Watershed	Maguindanao		107	1,308	1,415
	Libungan Watershed Total			107	1,308	1,415
	Maranding Watershed	Lanao del Sur	553		100	653
	Maranding Watershed Total		553		100	653
	Province-Basilan	Basilan	13,981	29,007	5,726	48,714
	Province-Basilan Total		13,981	29,007	5,726	48,714
	Province-wide Maguindanao	Maguindanao	76,186	30,701	59,067	165,953
	Province-wide Maguindanao Total		76,186	30,701	59,067	165,953
	Province-Wide Tawi tawi	Tawi-tawi	14,567	36,068	8,395	59,030
	Province-Wide Tawi tawi Total		14,567	36,068	8,395	59,030
	Rugnan Watershed (within Lake lanao & Agus RB)	Lanao del Sur	114	1,126	239	1,478
	Rugnan Watershed (within Lake lanao & Agus RB) Total		114	1,126	239	1,478
<b>ARMM Total</b>			<b>117,186</b>	<b>99,786</b>	<b>81,686</b>	<b>298,658</b>
CAR	Abra Watershed	Abra	3,475	120,897	64,926	189,297
		Benguet	4,930	3,216	2,134	10,281
		Kalinga		80		80
		Mt. Province	3,211	6,504	863	10,578
	Abra Watershed Total		11,616	130,696	67,924	210,236
	Abulog Watershed	Apayao	2,181	15,117	58,482	75,779
	Abulog Watershed Total		2,181	15,117	58,482	75,779
	Agno Watershed	Benguet	110	7,102	4,601	11,812
	Agno Watershed Total		110	7,102	4,601	11,812
	Agno-Sinuclan-Tuboy Watershed	Benguet		2,661	1,612	4,273
	Agno-Sinuclan-Tuboy Watershed Total			2,661	1,612	4,273
Ambayoan Watershed	Benguet		557	123	680	

**Upland Development Program  
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**Annex A**

Sum of Hectare		Intervention					
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	Grand Total	
CAR	Ambayonan Watershed Total			557	123	680	
	Amburayan Watershed	Benguet	495	1,427	72	1,994	
	Amburayan Watershed Total		495	1,427	72	1,994	
	Aringay Watershed	Benguet	21		10	31	
	Aringay Watershed Total		21		10	31	
	Bued River Watershed	Benguet	110	7,102	4,601	11,812	
	Bued River Watershed Total		110	7,102	4,601	11,812	
	Chico River Watershed (Lower and Upper)		Abra		14		14
			Apayao	49	4,576	563	5,188
			Kalinga	9,451	89,230	16,080	114,761
			Mt. Province	642	7,334		7,976
	Chico River Watershed (Lower and Upper) Total		10,142	101,154	16,643	127,939	
	Laoag Watershed	Abra		932		932	
	Laoag Watershed Total			932		932	
	Magat Watershed		Benguet		2	37	40
			Ifugao	20,258	87,903	39,570	147,731
	Magat Watershed Total		20,258	87,905	39,607	147,770	
	Mallig River Watershed		Kalinga		22,386	3,870	26,256
			Mt. Province	710	11,709	2,290	14,709
	Mallig River Watershed Total		710	34,095	6,160	40,965	
	Manucotae River Watershed	Apayao			140	140	
	Manucotae River Watershed Total				140	140	
	Sta. Maria Watershed	Abra		249	1,459	1,708	
	Sta. Maria Watershed Total			249	1,459	1,708	
	Vintar Watershed	Apayao			10	10	
	Vintar Watershed Total				10	10	
Zinundangan Watershed	Apayao			44	44		
Zinundangan Watershed Total				44	44		
<b>CAR Total</b>			<b>45,891</b>	<b>388,801</b>	<b>201,434</b>	<b>636,126</b>	

**Upland Development Program  
Potential Areas for Development**

**Annex A**

Sum of Hectare			Intervention			Grand Total
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	
R01	Abra Watershed	Ilocos Norte		432	874	1,306
		Ilocos Sur	77	3,366	429	3,872
	Abra Watershed Total		77	3,798	1,303	5,178
	Abulog Watershed	Ilocos Norte	22	125	18	165
	Abulog Watershed Total		22	125	18	165
	Agno Watershed	La Union	137	53	322	512
		Pangasinan		219	76	295
	Agno Watershed Total		137	272	398	807
	Agno-Bayawan River Watershed	Pangasinan	2,305	5,603	695	8,603
	Agno-Bayawan River Watershed Total		2,305	5,603	695	8,603
	Agno-Sinucalan-Tuboy Watershed	Pangasinan	358	1,724	4,321	6,403
	Agno-Sinucalan-Tuboy Watershed Total		358	1,724	4,321	6,403
	Ambayoan Watershed	Pangasinan	4	6,234	7	6,245
	Ambayoan Watershed Total		4	6,234	7	6,245
	Amburayan Watershed	Ilocos Sur	51	42,288		42,339
		La Union		1,091		1,091
	Amburayan Watershed Total		51	43,379		43,430
	Aringay Watershed	La Union	180	666	6,388	7,234
	Aringay Watershed Total		180	666	6,388	7,234
	Buaya River Watershed	Ilocos Sur	88	9,957		10,045
	Buaya River Watershed Total		88	9,957		10,045
	Bued River Watershed	La Union	137	53	322	512
		Pangasinan		219	76	295
	Bued River Watershed Total		137	272	398	807
	Bulo Watershed	Ilocos Norte	1,716	521	1,908	4,145
	Bulo Watershed Total		1,716	521	1,908	4,145
	Camiling Watershed	Pangasinan		334	6	340
	Camiling Watershed Total			334	6	340
	Dipalo Watershed	Pangasinan		2,413	421	2,834
	Dipalo Watershed Total			2,413	421	2,834
Dumuloc Watershed	Pangasinan		988	6,153	7,142	

**Upland Development Program  
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**Annex A**

Sum of Hectare			Intervention			
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	Grand Total
R01	Dumuloc Watershed Total			988	6,153	7,142
	Laoag Watershed	Ilocos Norte	503	35,553	1,585	37,641
	Laoag Watershed Total		503	35,553	1,585	37,641
	Nayom Watershed	Pangasinan	83	2,557	5,280	7,920
	Nayom Watershed Total		83	2,557	5,280	7,920
	Sta. Maria Watershed	Ilocos Sur	1,539	857	8,603	10,999
	Sta. Maria Watershed Total		1,539	857	8,603	10,999
	Vintar Watershed	Ilocos Norte		23,392	1,390	24,782
	Vintar Watershed Total			23,392	1,390	24,782
<b>R01 Total</b>			<b>7,201</b>	<b>138,643</b>	<b>38,874</b>	<b>184,718</b>
R02	Abulog Watershed	Cagayan		7		7
	Abulog Watershed Total			7		7
	Addalem Watershed	Isabela	41			41
		Nueva Vizcaya	5,312	13,548		18,860
		Quirino	6,842	35,654		42,497
	Addalem Watershed Total		12,196	49,203		61,398
	Agno-Bayawan River Watershed	Nueva Vizcaya		934		934
	Agno-Bayawan River Watershed Total			934		934
	Ambayonan Watershed	Nueva Vizcaya	231	8,639	15,552	24,421
	Ambayonan Watershed Total		231	8,639	15,552	24,421
	Bawa Watershed	Cagayan	26	167		193
	Bawa Watershed Total		26	167		193
	Casecnan Watershed Forest Reserve	Nueva Vizcaya	3,613	20,028	5,225	28,866
		Quirino		1,642	1,031	2,673
	Casecnan Watershed Forest Reserve Total		3,613	21,671	6,255	31,539
	Dummun River Watershed	Cagayan	396	2,022	3,083	5,501
Dummun River Watershed Total		396	2,022	3,083	5,501	
Ganano River Watershed	Nueva Vizcaya		971		971	
	Quirino	3,128	7,053		10,181	
Ganano River Watershed Total		3,128	8,024		11,152	



**Upland Development Program  
Potential Areas for Development**

**Annex A**

Sum of Hectare			Intervention			Grand Total	
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO		
R02	Magat Watershed	Isabela	16,469		114	16,583	
		Nueva Vizcaya	43,539	106,062	19,002	168,603	
		Quirino		60		60	
	Magat Watershed Total			60,008	106,121	19,116	185,245
	Manucotae River Watershed	Cagayan			5	5	
	Manucotae River Watershed Total				5	5	
	Pantabangan Watershed	Nueva Vizcaya	182	2,651	5,564	8,397	
	Pantabangan Watershed Total			182	2,651	5,564	8,397
	Pared Watershed	Cagayan	1,233	7,543	921	9,697	
	Pared Watershed Total			1,233	7,543	921	9,697
	Pinacanauan de San Pablo Watershed	Cagayan			13	13	
		Isabela	1,851	11,386		13,237	
	Pinacanauan de San Pablo Watershed Total			1,851	11,399		13,250
	Pinacanauan de Tuguegarao Watershed	Cagayan			7,187	6,131	13,318
	Pinacanauan de Tuguegarao Watershed Total				7,187	6,131	13,318
	Pinacauan de Tumauni Watershed	Isabela	2,122	14,311		16,433	
	Pinacauan de Tumauni Watershed Total			2,122	14,311		16,433
	Province-Wide Batanes	Batanes			4,251	8,967	13,218
	Province-Wide Batanes Total				4,251	8,967	13,218
	Zinundangan Watershed	Cagayan	74	3,391		3,465	
Zinundangan Watershed Total			74	3,391		3,465	
R02 Total			85,059	247,525	65,588	398,173	
R03	Agno-Bayawan River Watershed	Nueva Ecija		568		568	
	Agno-Bayawan River Watershed Total			568		568	
	Angat Watershed	Aurora		93		93	
		Bulacan	964	2,453	73	3,489	
	Angat Watershed Total			964	2,546	73	3,582
	Angat-Ipo Watershed	Bulacan		727		727	
	Angat-Ipo Watershed Total				727		727
	Bucaos Watershed	Zambales			2,258	2,258	
Bucaos Watershed Total				2,258		2,258	

**Upland Development Program  
Potential Areas for Development**

**Annex A**

Sum of Hectare		Intervention				Grand Total	
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO		
R03	Cabaluan Watershed	Zambales	31	3,904	7,579	11,514	
	Cabaluan Watershed Total		31	3,904	7,579	11,514	
	Camiling Watershed	Tarlac Zambales		1,424		1,424	
	Camiling Watershed Total			13,762	578	14,340	
	Casecnan Watershed Forest Reserve	Aurora		25		25	
	Casecnan Watershed Forest Reserve Total			25		25	
	Caulaman River Watershed	Pampanga Zambales		691	710	1,402	
	Caulaman River Watershed Total			2,238	1,763	4,001	
	Coronel Watershed	Aurora	186	4,187	948	5,322	
	Coronel Watershed Total	Nueva Ecija	4,965	14,824	19,381	39,170	
	Dingalan Watershed	Aurora	218	1,254	147	1,618	
	Dingalan Watershed Total		218	1,254	147	1,618	
	Dipalo Watershed	Nueva Ecija		880		880	
	Dipalo Watershed Total			880		880	
	Dumuloc Watershed	Zambales			24	24	
	Dumuloc Watershed Total				24	24	
	Gumain Watershed	Pampanga Zambales		1,716	4,334	6,049	
	Gumain Watershed Total		11	3,374	2,051	5,435	
	Maasim Watershed	Bulacan		3,074	218	3,292	
	Maasim Watershed Total			3,074	218	3,292	
	Magat Watershed	Nueva Ecija		230		230	
	Magat Watershed Total			230		230	
	Nayom Watershed	Zambales	2	2,226	4,079	6,307	
	Nayom Watershed Total		2	2,226	4,079	6,307	
	Pantabangan Watershed	Aurora Nueva Ecija	5	504		509	
	Pantabangan Watershed Total		1,502	7,384	40,149	49,034	
				1,507	7,888	40,149	49,543

**Upland Development Program  
Potential Areas for Development**

**Annex A**

Sum of Hectare			Intervention				
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	Grand Total	
R03	Penaranda Watershed	Aurora		187		187	
		Bulacan		233		233	
		Nueva Ecija	233	18,811	12,621	31,665	
	Penaranda Watershed Total			233	19,232	12,621	32,086
	Pinulot Watershed	Bataan Zambales		153	1,860	3,749	5,762
					263		263
	Pinulot Watershed Total			153	2,124	3,749	6,025
	Porac Watershed	Pampanga		462	1,442	3,123	5,027
	Porac Watershed Total			462	1,442	3,123	5,027
	Sto. Tomas Watershed	Pampanga Zambales			10	21	31
					5		5
	Sto. Tomas Watershed Total				15	21	35
Tarlac Watershed (Agno)	Pampanga Tarlac Zambales			67		67	
			847	55,479	4,245	60,572	
Tarlac Watershed (Agno) Total				1,480	760	2,240	
			847	57,026	5,005	62,879	
R03 Total			9,578	145,373	108,810	263,762	
R04-A	Agos River Watershed	Laguna Quezon Rizal		47		47	
				410	24,965	386	25,761
					11,828	50	11,878
	Agos River Watershed Total			410	36,841	436	37,686
	Angat Watershed	Quezon Rizal			74		74
				38	1,297		1,335
	Angat Watershed Total			38	1,371		1,408
	Angat-Ipo Watershed	Rizal			392	4	396
	Angat-Ipo Watershed Total				392	4	396
	Balanac Watershed	Laguna		66	318		384
Balanac Watershed Total			66	318		384	
Caisobo Watershed	Cavite		1,967			1,967	
Caisobo Watershed Total			1,967			1,967	

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Sum of Hectare		Intervention				Grand Total
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	
R04-A	Canas Watershed	Cavite	4,341			4,341
	Canas Watershed Total		4,341			4,341
	Dumacaa River Watershed	Quezon		264		264
	Dumacaa River Watershed Total			264		264
	Ilang-Ilang Watershed	Cavite	4,713			4,713
	Ilang-Ilang Watershed Total		4,713			4,713
	Imus Watershed	Cavite	1,446			1,446
	Imus Watershed Total		1,446			1,446
	Janagdong Watershed	Laguna Quezon			26 44	26 44
	Janagdong Watershed Total				69	69
	Labac-Alemang River Watershed	Cavite	2,986			2,986
	Labac-Alemang River Watershed Total		2,986			2,986
	Lagnas Watershed	Quezon			154	41
	Lagnas Watershed Total				154	41
	Laguna FLIS Watershed	Batangas Cavite Laguna	76 984 28		90 200 49	
	Laguna FLIS Watershed Total		1,088		339	
	Lasong Camachile Watershed	Cavite	2,421			
	Lasong Camachile Watershed Total		2,421			
	Llano River Watershed	Laguna Quezon	46		637 345	568 227
	Llano River Watershed Total		46		982	795
	Mabacan River Watershed	Batangas Laguna			33 253	
	Mabacan River Watershed Total				285	444
	Macabling River Watershed	Laguna	1,157			
	Macabling River Watershed Total		1,157			1,157

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Sum of Hectare			Intervention			Grand Total
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	
R04-A	Maragondon River Watershed	Batangas Cavite	19,071	57 1,214	563	57 20,847
	Maragondon River Watershed Total		19,071	1,271	563	20,904
	Marikina River Watershed	Rizal		20,333	4,436	24,769
	Marikina River Watershed Total			20,333	4,436	24,769
	NPC Tailrace & Lewin Watershed	Laguna	608		29	637
	NPC Tailrace & Lewin Watershed Total		608		29	637
	Palico Watershed	Batangas Cavite	2,247 1,632	5,455 2,458	17	7,719 4,090
	Palico Watershed Total		3,879	7,913	17	11,809
	San Antonio River Watershed	Laguna Rizal	37	50 72		87 72
	San Antonio River Watershed Total		37	122		159
	San Juan River Watershed	Batangas Laguna	34 244			34 244
	San Juan River Watershed Total		278			278
	Sipocot-Polantuna Watershed	Quezon		200		200
	Sipocot-Polantuna Watershed Total			200		200
	Sta. Cruz River Watershed	Laguna	190	1,122		1,312
	Sta. Cruz River Watershed Total		190	1,122		1,312
	Timalan River Watershed	Cavite	2,570			2,570
	Timalan River Watershed Total		2,570			2,570
	Zapote River Watershed	Cavite	812			812
	Zapote River Watershed Total		812			812
R04-A Total			48,280	71,976	6,321	126,577
R04-B	Amnay Patrick Watershed	Occidental Mindoro	756	11,544	15,232	27,531
	Amnay Patrick Watershed Total		756	11,544	15,232	27,531
	Bal River Watershed	Marinduque	611	5,219	162	5,992
	Bal River Watershed Total		611	5,219	162	5,992
	Bansud Watershed	Oriental Mindoro	1	3,007	480	3,488
	Bansud Watershed Total		1	3,007	480	3,488

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Sum of Hectare			Intervention			
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	Grand Total
R04-B	Cagaray Watershed	Occidental Mindoro		4,613	263	4,876
		Oriental Mindoro	490	6,088	945	7,523
	Cagaray Watershed Total		490	10,701	1,208	12,399
	Catuiran-Bucayao River Watershed	Occidental Mindoro		3,824	619	4,443
		Oriental Mindoro	370		54	424
	Catuiran-Bucayao River Watershed Total		370	3,824	673	4,867
	Lumintao Watershed	Occidental Mindoro	1,234	6,211	27,039	34,485
	Lumintao Watershed Total		1,234	6,211	27,039	34,485
	Mag-asawang Tubig River Watershed	Oriental Mindoro		1,781	271	2,052
	Mag-asawang Tubig River Watershed Total			1,781	271	2,052
	Malatgao Watershed	Palawan	781	226	148	1,156
	Malatgao Watershed Total		781	226	148	1,156
	Mongpong Watershed	Occidental Mindoro	40	12,839	9,117	21,997
	Mongpong Watershed Total		40	12,839	9,117	21,997
	Napo River Watershed	Marinduque	22	123	267	412
	Napo River Watershed Total		22	123	267	412
	Pagbahan Watershed	Occidental Mindoro	197	9,226	8,094	17,517
		Oriental Mindoro		2,926	2,283	5,210
	Pagbahan Watershed Total		197	12,152	10,377	22,727
	Pola Watershed	Occidental Mindoro		460		460
	Oriental Mindoro		10,923		10,923	
Pola Watershed Total			11,383		11,383	
Watershed Forest Reserve	Romblon	912	1,600	59	2,570	
Watershed Forest Reserve Total		912	1,600	59	2,570	
R04-B Total			5,416	80,609	65,034	151,059
R05	Basay Watershed	Albay		75		75
	Basay Watershed Total			75		75
	Bato Watershed	Catanduanes		13,374	8	13,381
	Bato Watershed Total			13,374	8	13,381
	Bubusan Watershed	Albay		28		28
	Bubusan Watershed Total			28		28

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Sum of Hectare		Intervention				Grand Total	
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO		
R05	Buhi Iriga Watershed	Camarines Sur	71	489	84	645	
	Buhi Iriga Watershed Total		71	489	84	645	
	Daet Watershed	Camarines Norte	3,111	3,202		6,313	
	Daet Watershed Total		3,111	3,202		6,313	
	Hinagyanan Watershed	Camarines Sur	160	109		269	
	Hinagyanan Watershed Total		160	109		269	
	Inarihan Watershed	Camarines Sur		314		314	
	Inarihan Watershed Total			314		314	
	Malbug River Watershed	Masbate	954	3,968	96	5,018	
	Malbug River Watershed Total		954	3,968	96	5,018	
	Nabua Watershed	Camarines Sur		218	12	229	
	Nabua Watershed Total			218	12	229	
	Nasisi Watershed	Albay		993	178	1,171	
	Nasisi Watershed Total			993	178	1,171	
	Pili Watershed	Sorsogon	50	1,162	420	1,632	
	Pili Watershed Total		50	1,162	420	1,632	
	Ponso Watershed	Albay	20	29		49	
	Ponso Watershed Total		20	29		49	
	Sabang Watershed	Sorsogon		309		309	
	Sabang Watershed Total			309		309	
	Sipocot-Polantuna Watershed	Camarines Norte Camarines Sur	264 4,165	1,593 8,528		669	1,857 13,362
	Sipocot-Polantuna Watershed Total		4,429	10,121	669	15,219	
	Talisay Watershed	Camarines Norte	1,573	1,094		2,667	
	Talisay Watershed Total		1,573	1,094		2,667	
	Tigman Watershed	Camarines Sur	904	687		1,591	
	Tigman Watershed Total		904	687		1,591	
	Tubugan Watershed	Sorsogon	64			64	
Tubugan Watershed Total		64			64		
<b>R05 Total</b>			<b>11,336</b>	<b>36,172</b>	<b>1,467</b>	<b>48,974</b>	

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Sum of Hectare		Intervention			Grand Total	
REGION	WATERSHEDS	PROVINCE	AGRO	ANR		REFO
R06	Aganan River Watershed	Antique			2	2
		Iloilo			2,075	609
	Aganan River Watershed Total				2,077	609
	Bago Watershed	Negros Occidental	32,632	1,474	16,298	50,404
	Bago Watershed Total		32,632	1,474	16,298	50,404
	Barotac Viejo River Watershed	Antique				29
		Capiz	186	385	175	747
		Iloilo	699	14,821	1,724	17,244
	Barotac Viejo River Watershed Total		885	15,206	1,928	18,020
	Ibajay River Watershed	Aklan	70	763		833
	Ibajay River Watershed Total		70	763		833
	Ilog-Hilabangan Watershed	Negros Occidental	11,024	6,072	31,798	48,894
	Ilog-Hilabangan Watershed Total		11,024	6,072	31,798	48,894
	Mambusao Watershed	Aklan			6	370
		Capiz	226	5,758	51	6,035
	Mambusao Watershed Total		226	5,764	421	6,411
	Panay River Watershed	Aklan			9	532
		Capiz	6,592	27,640	1,616	35,848
		Iloilo	299	925	100	1,323
	Panay River Watershed Total		6,891	28,573	2,248	37,712
	Pangiplan River Watershed	Negros Occidental	283	333	2,960	3,576
	Pangiplan River Watershed Total		283	333	2,960	3,576
	Province-Wide Guimaras	Guimaras	661	1,204	338	2,203
	Province-Wide Guimaras Total		661	1,204	338	2,203
	Sibalom-Tigbauan Watershed	Antique			28	28
		Iloilo			1,199	1,025
	Sibalom-Tigbauan Watershed Total				1,227	1,025
Tigum River Watershed	Antique			41	41	
	Iloilo			4,632	5	
Tigum River Watershed Total				4,673	5	



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Sum of Hectare			Intervention			
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	Grand Total
R06	Tipulan Watershed	Antique		2,701	2,464	5,165
	Tipulan Watershed Total			2,701	2,464	5,165
<b>R06 Total</b>			<b>52,672</b>	<b>70,067</b>	<b>60,094</b>	<b>182,833</b>
R07	Argao Watershed	Cebu	1,759	1,509		3,268
	Argao Watershed Total		1,759	1,509		3,268
	Carood Watershed	Bohol	1,632		2,449	4,081
	Carood Watershed Total		1,632		2,449	4,081
	Ilog-Hilabangan Watershed	Negros Oriental	12,354	1,871	29,427	43,652
	Ilog-Hilabangan Watershed Total		12,354	1,871	29,427	43,652
	Province-Wide Siquijor	Siquijor	31	194	53	278
	Province-Wide Siquijor Total		31	194	53	278
	Wahig-Inabanga Watershed	Bohol	10,801	4,680	2,944	18,424
	Wahig-Inabanga Watershed Total		10,801	4,680	2,944	18,424
<b>R07 Total</b>			<b>26,577</b>	<b>8,253</b>	<b>34,873</b>	<b>69,703</b>
R08	Bao Watershed	Leyte	990	1,505		2,495
	Bao Watershed Total		990	1,505		2,495
	Binhaan Watershed	Leyte	1,203	5,899		7,102
	Binhaan Watershed Total		1,203	5,899		7,102
	Bisay River Watershed	Southern Leyte	439	4,712	1	5,152
	Bisay River Watershed Total		439	4,712	1	5,152
	Bito Watershed	Leyte	1,306	4,671		5,977
	Bito Watershed Total		1,306	4,671		5,977
	Cadacan River Watershed	Leyte Southern Leyte	2,012 868	6,350 2,053	317 810	8,679 3,731
	Cadacan River Watershed Total		2,880	8,403	1,127	12,409
	Catubig Watershed	Eastern Samar Northern Samar Samar		2,145 10,151 105		2,145 37,210 27,008
	Catubig Watershed Total		10,256	56,098	8	66,362
	Daguitan Watershed	Leyte	3,658	4,866		8,524
	Daguitan Watershed Total		3,658	4,866		8,524

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Sum of Hectare			Intervention			Grand Total
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	
R08	Gibuga Watershed	Leyte	759	56		815
	Gibuga Watershed Total		759	56		815
	Guinarona Watershed	Leyte	352	6		357
	Guinarona Watershed Total		352	6		357
	Himbangan Watershed	Southern Leyte	316	5,538		5,854
	Himbangan Watershed Total		316	5,538		5,854
	Magon Watershed	Leyte	91,969	4,453		96,422
	Magon Watershed Total		91,969	4,453		96,422
	Mainit Watershed	Leyte	888	1,428		2,316
	Mainit Watershed Total		888	1,428		2,316
	Palo Watershed	Leyte	477			477
	Palo Watershed Total		477			477
	Pandan River Watershed	Leyte Southern Leyte		291		291
	Pandan River Watershed Total		1,083	2,773	1,138	4,994
	Pongso Watershed	Leyte	346	1,680		2,026
	Pongso Watershed Total		346	1,680		2,026
	Province-Wide Biliran	Biliran	3,443	6,358	1,743	11,544
	Province-Wide Biliran Total		3,443	6,358	1,743	11,544
	Salug Watershed	Leyte		1,758	945	2,703
	Salug Watershed Total			1,758	945	2,703
<b>R08 Total</b>			<b>120,364</b>	<b>110,495</b>	<b>4,962</b>	<b>235,821</b>
R09	Dipolo Watershed	Zamboanga del Norte Zamboanga del Sur	1,129	6	1,066	2,202
	Dipolo Watershed Total		5,523		364	5,887
	Dipolo Watershed Total		6,652	6	1,430	8,088
	Labangan Watershed	Zamboanga del Sur	3,748	9,364	14,537	27,649
	Labangan Watershed Total		3,748	9,364	14,537	27,649
	Mt. Malindang	Zamboanga del Norte Zamboanga del Sur	632	338	48	1,019
Mt. Malindang Total		332		107	439	
Mt. Malindang Total		965	338	155	1,458	

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Sum of Hectare			Intervention			Grand Total	
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO		
R09	Salug-Daku Watershed	Zamboanga del Norte	10,349	560		10,909	
		Zamboanga del Sur	4,842	14		4,857	
		<b>Salug-Daku Watershed Total</b>		<b>15,191</b>	<b>574</b>		<b>15,765</b>
	Sibuguey Watershed	Zamboanga del Norte			831	799	1,630
		Zamboanga del Sur		1,807	4,494	2,875	9,176
		Zamboanga Sibuguey		791	3,126	8,314	12,231
<b>Sibuguey Watershed Total</b>		<b>2,598</b>	<b>8,451</b>	<b>11,988</b>	<b>23,037</b>		
<b>R09 Total</b>			<b>29,154</b>	<b>18,733</b>	<b>28,110</b>	<b>75,998</b>	
R10	Cagayan de Oro watershed	Bukidnon	7,209	4,188	16,750	28,147	
		Lanao del Norte	858	576	7,773	9,207	
		Misamis Oriental	36		2,643	2,679	
	<b>Cagayan de Oro watershed Total</b>		<b>8,103</b>	<b>4,764</b>	<b>27,166</b>	<b>40,033</b>	
	Davao Watershed	Bukidnon	8,968	9,670		18,638	
	<b>Davao Watershed Total</b>		<b>8,968</b>	<b>9,670</b>		<b>18,638</b>	
	Iponan Watershed	Lanao del Norte			330	208	538
		Misamis Oriental		563	9,758	9,024	19,345
	<b>Iponan Watershed Total</b>		<b>563</b>	<b>10,088</b>	<b>9,232</b>	<b>19,883</b>	
	Lake Lanao Watershed (Less Rughan Watershed)	Lanao del Norte	14	270	0	284	
	<b>Lake Lanao Watershed (Less Rughan Watershed) Total</b>		<b>14</b>	<b>270</b>	<b>0</b>	<b>284</b>	
	Manupali Watershed	Bukidnon	4,386	2,122	2,838	9,347	
	<b>Manupali Watershed Total</b>		<b>4,386</b>	<b>2,122</b>	<b>2,838</b>	<b>9,347</b>	
	Maranding Watershed	Lanao del Norte	3,606	418	645	4,669	
	<b>Maranding Watershed Total</b>		<b>3,606</b>	<b>418</b>	<b>645</b>	<b>4,669</b>	
	Mt. Malindang	Misamis Occidental	1,460	11,163	7,776	20,400	
	<b>Mt. Malindang Total</b>		<b>1,460</b>	<b>11,163</b>	<b>7,776</b>	<b>20,400</b>	
	Muleta Watershed	Bukidnon	3,037	1,091	5,705	9,832	
	<b>Muleta Watershed Total</b>		<b>3,037</b>	<b>1,091</b>	<b>5,705</b>	<b>9,832</b>	
	Odiongana Watershed	Misamis Oriental	4,852	1,613	2,960	9,425	
<b>Odiongana Watershed Total</b>		<b>4,852</b>	<b>1,613</b>	<b>2,960</b>	<b>9,425</b>		
Province-Wide Camiguin	Camiguin	450	502	304	1,256		
<b>Province-Wide Camiguin Total</b>		<b>450</b>	<b>502</b>	<b>304</b>	<b>1,256</b>		

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Sum of Hectare			Intervention			Grand Total	
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO		
R10	Roxas-Kuya Watershed	Bukidnon			1,706	1,872	3,578
	Roxas-Kuya Watershed Total				1,706	1,872	3,578
	Salug-Daku Watershed	Misamis Occidental	1,271	2,948	173		4,392
	Salug-Daku Watershed Total		1,271	2,948	173		4,392
	Tagoloan Watershed	Bukidnon	2,289	35,246	27,860		65,395
	Tagoloan Watershed Total	Misamis Oriental		1,248	300		1,548
R10 Total			2,289	36,494	28,160		66,943
			39,001	82,849	86,831		208,680
R11	Batutu Watershed	Compostela Valley	1,962	1,443	1,297		4,702
	Batutu Watershed Total		1,962	1,443	1,297		4,702
	Buayan Watershed	Davao del Sur	1,738	47,385	113		49,236
	Buayan Watershed Total		1,738	47,385	113		49,236
	Davao Watershed	Davao del Norte	2,744	19,626	1,657		24,027
	Davao Watershed Total	Davao del Sur	11,733	49,384	1,857		62,974
	Davao Watershed Total		14,477	69,010	3,514		87,001
	Kabacan Watershed	Davao del Sur	427	105			532
	Kabacan Watershed Total		427	105			532
	Lasang Watershed	Davao del Norte	83	2,403	27,211		29,697
	Lasang Watershed Total		83	2,403	27,211		29,697
	Libuganon River Watershed	Davao del Norte	576	54,932			55,508
	Libuganon River Watershed Total		576	54,932			55,508
	Matanao Watershed	Davao del Sur	6,714				6,714
	Matanao Watershed Total		6,714				6,714
	Padada Watershed	Davao del Sur	1,960	636	20		2,615
	Padada Watershed Total		1,960	636	20		2,615
	Saug Watershed	Compostela Valley	11,543	11,450	515		23,508
	Saug Watershed Total	Davao del Norte	2,067	11,896	960		14,923
	Saug Watershed Total		13,610	23,346	1,475		38,430
Simulao Watershed	Davao Oriental	23,232	59	14		23,306	
Simulao Watershed Total		23,232	59	14		23,306	

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Sum of Hectare			Intervention			
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	Grand Total
R11	Sumlog Watershed	Compostela Valley Davao del Norte	5,973 173,135	3,314 15,467	1,985 22	11,273 188,623
	Sumlog Watershed Total		179,108	18,781	2,006	199,896
	<b>R11 Total</b>		<b>243,888</b>	<b>218,099</b>	<b>35,650</b>	<b>497,637</b>
R12	Alip Watershed	South Cotabato Sultan Kudarat		1,509 11,009	379 13,089	1,888 25,255
	Alip Watershed Total		1,157	12,518	13,468	27,143
	Allah River Balley Watershed	Sarangani South Cotabato Sultan Kudarat	336 5,575 916		33,415 8,241 135	336 47,231 12,422
	Allah River Balley Watershed Total		6,827	44,787	8,376	59,989
	Buayan Watershed	Sarangani South Cotabato	3,319 2,804	9,422 936	36,201 6,092	48,942 9,832
	Buayan Watershed Total		6,123	10,359	42,293	58,775
	Davao Watershed	North Cotabato	70		380	450
	Davao Watershed Total		70		380	450
	Kabacan Watershed	North Cotabato	6,491	3,580	8,748	18,819
	Kabacan Watershed Total		6,491	3,580	8,748	18,819
	Libungan Watershed	North Cotabato	8,470	1,190	30,664	40,324
	Libungan Watershed Total		8,470	1,190	30,664	40,324
	Malasila Watershed	North Cotabato	58	1,341	2,214	3,613
	Malasila Watershed Total		58	1,341	2,214	3,613
	M'lang Watershed	North Cotabato		391		391
	M'lang Watershed Total			391		391
	Padada Watershed	North Cotabato South Cotabato Sultan Kudarat	638 505 2,836	2,571 4,158 13,558	58 137 345	3,267 4,799 16,739
	Padada Watershed Total		3,978	20,287	540	24,806
	Palian Watershed	South Cotabato	3,239	11,526	2,740	17,505
	Palian Watershed Total		3,239	11,526	2,740	17,505

**Upland Development Program  
Potential Areas for Development**

**Annex A**

Sum of Hectare			Intervention			Grand Total
REGION	WATERSHEDS	PROVINCE	AGRO	ANR	REFO	
R12	Silway Watershed	Sarangani	536	204	1,319	2,059
		South Cotabato	2,220	5,432	10,800	18,451
	<b>Silway Watershed Total</b>		<b>2,756</b>	<b>5,635</b>	<b>12,119</b>	<b>20,510</b>
<b>R12 Total</b>			<b>39,169</b>	<b>111,994</b>	<b>121,162</b>	<b>272,325</b>
R13	Andanan Watershed	Agusan del Sur		1,538	175	1,712
	<b>Andanan Watershed Total</b>			<b>1,538</b>	<b>175</b>	<b>1,712</b>
	Cabadbaran Watershed	Agusan del Norte		5,352	760	6,112
	<b>Cabadbaran Watershed Total</b>			<b>5,352</b>	<b>760</b>	<b>6,112</b>
	Carac-an Watershed	Agusan del Norte		5,181		5,181
		Agusan del Sur		1,109		1,109
		Surigao del Sur	90	16,227	1	16,317
	<b>Carac-an Watershed Total</b>		<b>90</b>	<b>22,517</b>	<b>1</b>	<b>22,607</b>
	Gibong Watershed	Surigao del Sur	743	34,423	120	35,286
	<b>Gibong Watershed Total</b>		<b>743</b>	<b>34,423</b>	<b>120</b>	<b>35,286</b>
	Libuganon River Watershed	Agusan del Sur		10,322		10,322
	<b>Libuganon River Watershed Total</b>			<b>10,322</b>		<b>10,322</b>
	Odiongan Watershed	Agusan del Norte	404		456	860
	<b>Odiongan Watershed Total</b>		<b>404</b>		<b>456</b>	<b>860</b>
	Province-Wide Dinagat Island	Dinagat Islands	17,264	14,255	2,031	33,549
	<b>Province-Wide Dinagat Island Total</b>		<b>17,264</b>	<b>14,255</b>	<b>2,031</b>	<b>33,549</b>
	Siargao Island	Surigao del Norte	8,475	3,008	12,325	23,808
	<b>Siargao Island Total</b>		<b>8,475</b>	<b>3,008</b>	<b>12,325</b>	<b>23,808</b>
	Simulao Watershed	Agusan del Sur	11,047	566	102	11,714
	<b>Simulao Watershed Total</b>		<b>11,047</b>	<b>566</b>	<b>102</b>	<b>11,714</b>
	Tago Watershed	Agusan del Norte		2,196		2,196
		Agusan del Sur		21,224	3,272	24,496
		Surigao del Sur	1,974	45,941	7,100	55,015
<b>Tago Watershed Total</b>		<b>1,974</b>	<b>69,361</b>	<b>10,372</b>	<b>81,707</b>	
Taguibo Watershed	Agusan del Norte	17	1,953	2,116	4,086	
<b>Taguibo Watershed Total</b>		<b>17</b>	<b>1,953</b>	<b>2,116</b>	<b>4,086</b>	
<b>R13 Total</b>			<b>40,013</b>	<b>163,293</b>	<b>28,458</b>	<b>231,764</b>
<b>Grand Total</b>			<b>920,785</b>	<b>1,992,670</b>	<b>969,353</b>	<b>3,882,808</b>

## RECOMMENDED UPLAND DEVELOPMENT TARGETS

REGION	PROVINCE	AVAILABLE UDP AREA	RECOMMENDED TARGETS (HECTARES)		
			UPLAND AREA	MANGROVE	TOTAL TARGET
<b>GRAND TOTAL</b>		<b>3,337,885</b>	<b>49,318</b>	<b>2,000</b>	<b>51,318</b>
CAR	Abra	191,951	1,218		1,218
	Apayao	81,162	1,616		1,616
	Benquet	29,935	819		819
	Ifugao	164,744	1,337		1,337
	Kalinga	141,097	1,537		1,537
	Mt. Province	33,263	1,206		1,206
<b>CAR Total</b>		<b>642,152</b>	<b>7,733</b>	<b>-</b>	<b>7,733</b>
R01	Ilocos Norte	68,039	459	25	484
	Ilocos Sur	64,971	455	14	469
	La Union	7,234	400	25.0	425
	Pangasinan	37,385	450	81.0	531
<b>R01 Total</b>		<b>177,629</b>	<b>1,765</b>	<b>145</b>	<b>1,910</b>
R02	Batanes	13,218	150		150
	Cagayan	32,198	779	48	827
	Isabela	46,294	974	10	984
	Nueva Vizcaya	250,561	973		973
	Quirino	55,410	818		818
<b>R02 Total</b>		<b>397,681</b>	<b>3,694</b>	<b>58</b>	<b>3,752</b>
R03	Aurora	7,754	591	8	599
	Bataan	6,025	486	40	526
	Bulacan	7,764	482	25	507
	Nueva Ecija	121,566	609		609
	Pampanga	18,968	473	25	498
	Tarlac	29,988	468		468
	Zambales	46,851	464	4	468
<b>R03 Total</b>		<b>238,918</b>	<b>3,572</b>	<b>102</b>	<b>3,674</b>
R04-A	Batangas	8,163	250	4	254
	Cavite	44,802	250	8	258
	Laguna	4,476	499		499
	Quezon	26,909	548	35	583
	Rizal	38,503	495		495
<b>R04-A Total</b>		<b>122,851</b>	<b>2,043</b>	<b>47</b>	<b>2,090</b>
R04-B	Marinduque	6,404	300	20	320
	Occidental Mindoro	63,678	819	70	889
	Oriental Mindoro	52,078	719	20	739
	Palawan	1,156	150	50	200
	Romblon	2,570	200	70	270
<b>R04-B Total</b>		<b>125,885</b>	<b>2,188</b>	<b>230</b>	<b>2,418</b>
R05	Albay	1,323	580		580
	Camarines Norte	10,104	950	15	965
	Camarines Sur	16,113	1,500	95	1,595
	Catanduanes	13,381	450	35	485
	Masbate	5,018	771	35	806
	Sorsogon	2,005	350	60	410
<b>R05 Total</b>		<b>47,944</b>	<b>4,601</b>	<b>240</b>	<b>4,841</b>
R06	Aklan	1,374	419	31	450
	Antique	5,265	457		457
	Capiz	37,830	415	35	450
	Guimaras	2,203	250	6	256
	Iloilo	28,112	300	35	335
	Negros Occidental	102,874	494	36	530

REGION	PROVINCE	AVAILABLE UDP AREA	RECOMMENDED TARGETS (HECTARES)		
			UPLAND AREA	MANGROVE	TOTAL TARGET
<b>R06 Total</b>		<b>177,658</b>	<b>2,336</b>	<b>143</b>	<b>2,479</b>
R07	Bohol	25,412	300	70	370
	Cebu	3,268	150	100	250
	Negros Oriental	43,652	821	30	851
	Siquijor	278	150		150
<b>R07 Total</b>		<b>72,610</b>	<b>1,421</b>	<b>200</b>	<b>1,621</b>
R08	Biliran	11,544	400	3	403
	Eastern Samar	2,145	400	3	403
	Leyte	138,181	691	6	697
	Northern Samar	37,210	776	5	781
	Samar	27,008	727	4	731
	Southern Leyte	19,730	687	5	692
<b>R08 Total</b>		<b>235,818</b>	<b>3,680</b>	<b>26</b>	<b>3,706</b>
R09	Zamboanga del Norte	16,864	958	44	1,002
	Zamboanga del Sur	63,528	700	74	774
	Zamboanga Sibugay	12,230	740	194	934
	Basilan(Isabela)			15	15
<b>R09 Total</b>		<b>92,622</b>	<b>2,398</b>	<b>327</b>	<b>2,726</b>
R10	Bukidnon	134,938	1,137		1,137
	Camiguin	1,256	250		250
	Lanao del Norte	14,698	904	43	947
	Misamis Occidental	20,400	840	52	892
	Misamis Oriental	32,997	995	25	1,020
<b>R10 Total</b>		<b>204,289</b>	<b>4,126</b>	<b>120</b>	<b>4,246</b>
R11	Compostela Valley	32,820	743	6	749
	Davao del Norte	119,546	843	2	845
	Davao del Sur	122,070	771	7	778
	Davao Oriental	23,306	888	15	903
<b>R11 Total</b>		<b>297,742</b>	<b>3,244</b>	<b>30</b>	<b>3,274</b>
R12	North Cotabato	66,864	835	7	842
	Sarangani	51,338	755	44	799
	South Cotabato	99,707	809		809
	Sultan Kudarat	54,416	642	60	702
<b>R12 Total</b>		<b>272,325</b>	<b>3,041</b>	<b>111</b>	<b>3,152</b>
R13	Agusan del Norte	19,543	718	4	722
	Agusan del Sur	25,708	805		805
	Dinagat Islands	33,549	200	5	205
	Surigao del Norte	23,808	818	43	861
	Surigao del Sur	129,155	800	159	959
<b>R13 Total</b>		<b>231,764</b>	<b>3,340</b>	<b>211</b>	<b>3,551</b>
<b>NCR</b>			<b>135</b>	<b>10</b>	<b>145</b>



**CALL FOR THE SUBMISSION OF LETTER OF INTENT**

TO ALL INTERESTED PEOPLES' ORGANIZATIONS

The Department of Environment and Natural Resources, through CENRO Narra invites registered Peoples Organizations to submit Letter of Intent to participate in the Upland Development Program, to undertake the following activities:

Type of Project	Upland Development Project
Name of CBFM/CBRM project	Malatgao CBFM Project
Location	Barangay Pugad lawin, Narra, Palawan
Brief Description of Project	Establish and manage a 1-hectare nursery; Produce <u>  </u> number of good quality seedlings of <u>  </u> species;
Project duration	Number of inclusive months

The prospective participants should be POs involved in community based forest or protected area management in the locality. These POs should be holders of tenure instruments (CBFMA, PACBRMA, FLMA, CFSA, CFMA, CSC, CADC/CADT) issued by the DENR in Barangay Pugad Lawin, Narra, Palawan and duly-registered with SEC or any applicable registering agency; members should be bona fide residents of the barangay where the project is located.

The prospective participants should submit the duly accomplished letter of intent within thirty (30) days from the date of posting to the CENRO concerned.

Prospective participants may secure the pro forma letter of intent from the CENRO concerned.

Applications shall be appraised by the Joint Regional and Provincial Task Forces created for the purpose. Applicants shall be promptly informed of results of the appraisal.

Approved for posting by:

CENRO

Date of Posting: \_\_\_\_\_

Duration of Posting: \_\_\_\_\_

**CALL FOR THE SUBMISSION OF LETTER OF INTENT**

TO ALL INTERESTED PO MEMBERS

The Department of Environment and Natural Resources, through CENRO Narra invites registered members of Peoples Organizations to submit Letter of Intent to participate in the Upland Development Program, to undertake the activity below:

Type of Project	Upland Development Project
Name of CBFM/CBRM project	Malatgao CBFM project
Location	Barangay Pugad lawin, Narra, Palawan
Brief Description of Project	Develop _____hectares through agroforestry techniques
Project duration	Number of inclusive months

The prospective participants should be PO members involved in community based forest or protected area management in the locality. These POs should be holders of tenure instruments (CBFMA, PACBRMA, FLMA, CFSA, CFMA, CSC, CADC/CADT) issued by the DENR in Barangay Pugad Lawin, Narra, Palawan and duly-registered with SEC or any applicable registering agency; members should be bona fide residents of the barangay where the project is located.

The prospective participants should submit the duly accomplished letter of intent within thirty (30) days from the date of posting to the CENRO concerned.

Prospective participants may secure the pro forma letter of intent from the CENRO concerned.

Applications shall be appraised by the Joint Regional and Provincial Task Forces created for the purpose. Applicants shall be promptly informed of results of the appraisal.

Approved for posting by:

CENRO

Date of Posting: \_\_\_\_\_

Duration of Posting: \_\_\_\_\_

## CALL FOR THE SUBMISSION OF LETTER OF INTENT

TO ALL INTERESTED PEOPLES' ORGANIZATIONS

The Department of Environment and Natural Resources, through CENRO Narra invites registered Peoples Organizations to submit Letter of Intent to participate in the Upland Development Program, to undertake the activity below:

Type of Project	Upland Development Project
Name of CBFM/CBRM project	Malatgao CBFM
Location	Barangay Pugad lawin, Narra, Palawan
Brief Description of Project	Reforest _____ hectares through planting or combination with ANR/EP;
Project duration	Number of inclusive months

The prospective participants should be POs involved in community based forest or protected area management in the locality. These POs should be holders of tenure instruments (CBFMA, PACBRMA, FLMA, CFSA, CFMA, CADC/CADT CSC) in Barangay Pugad Lawin, Narra, Palawan and duly-registered with SEC or any applicable registering agency; bona fide residents of the barangay where the project is located.

The prospective participants should submit the duly accomplished letter of intent within thirty (30) days from the date of posting to the CENRO concerned.

Prospective participants may secure the pro forma letter of intent from the CENRO concerned.

Applications shall be appraised by the Joint Regional and Provincial Task Forces created for the purpose. Applicants shall be promptly informed of results of the appraisal.

Approved for posting by:

CENRO

Date of Posting: \_\_\_\_\_  
Duration of Posting: \_\_\_\_\_

**CALL FOR THE SUBMISSION OF LETTER OF INTENT**

TO ALL INTERESTED UPLAND FARMER HOUSEHOLDS (NON PO-MEMBERS) AND OUT OF SCHOOL YOUTH:

The Department of Environment and Natural Resources, through CENRO Narra invites upland farmer households and out-of-school youth to submit Letter of Intent to participate in the Upland Development Program, to undertake the activity below:

Type of Project	Upland Development Project
Name of Watershed	Malatgao River Watershed
Location	Barangay Pugad lawin, Narra, Palawan
Brief Description of Project	Develop _____hectares of reforestation in untenured areas within the watershed
Project duration	Number of inclusive months

The prospective participants should be upland farmer households who are not members of any land tenure instruments (CBFMA, PACBRMA, FLMA, CFSA, CFMA, CADC/CADT or CSC), but should be bona fide residents of the barangay where the project is located.

The prospective participants should submit the duly accomplished letter of intent within thirty (30) days from the date of posting to the CENRO concerned.

Prospective participants may secure the pro forma letter of intent from the CENRO concerned.

Applications shall be appraised by the Joint Regional and Provincial Task Forces created for the purpose. Applicants shall be promptly informed of results of the appraisal.

Approved for posting by:

CENRO

Date of Posting: \_\_\_\_\_

Duration of Posting: \_\_\_\_\_

**LETTER OF INTENT (PO)**

The CENRO  
\_\_\_\_\_

Dear Sir/Madam:

This is to signify our intention to participate in the implementation of the Upland Development Program pursuant to the posted call for submission of Letter of Intents (LOIs) dated \_\_\_\_\_, for the following activities:

Specific Activity	Target	Location
Nursery establishment	1.0 ha nursery	CBFM/CBRM project in Barangay Pugad Lawin, Narra, Palawan
Seedling production	50,000 seedlings of mahogany; 50,000 seedlings of narra; 50,000 seedlings of gmelina; 50,000 seedlings of molave	CBFM/CBRM project in Barangay Pugad Lawin, Narra, Palawan

We are looking forward to your favorable consideration.

Very truly yours,

signature over printed name  
Name of PO President

**LETTER OF INTENT (PO members)**

The CENRO  
\_\_\_\_\_

Dear Sir/Madam:

This is to signify my intention to participate in the implementation of the Upland Development Program pursuant to the posted call for submission of Letter of Intents (LOIs) dated \_\_\_\_\_, for the activity below:

Specific Activity	Target	Location
Agroforestry development	2 hectares	CBFM/CBRM project in Barangay kalaw, Narra, Palawan

We are looking forward to your favorable consideration.

Very truly yours,

signature over printed name  
Name of PO member

**LETTER OF INTENT (PO)**

The CENRO  
\_\_\_\_\_

Dear Sir/Madam:

This is to signify our intention to participate in the implementation of the Upland Development Program pursuant to the posted call for submission of Letter of Intents (LOIs) dated \_\_\_\_\_, for the activity below:

Specific Activity	Target	Location
Reforestation	25 hectares	CBFM/CBRM project in Barangay Pipit, Narra, Palawan
ANR/Enrichment Planting	25 hectares	CBFM/CBRM project in Barangay Agila, Narra, Palawan

We are looking forward to your favorable consideration.

Very truly yours,

signature over printed name

Name of PO President

**LETTER OF INTENT ( other upland farmer households or out of school youth)**

The CENRO  
\_\_\_\_\_

Dear Sir/Madam:

This is to signify our intention to participate in the implementation of the Upland Development Program pursuant to the posted call for submission of Letter of Intents (LOIs) dated \_\_\_\_\_, for the activity indicated below:

Specific Activity	Target	Location
Reforestation	25 hectares	Malatgao watershed in Barangay Pipit, Narra, Palawan

We are looking forward to your favorable consideration.

Very truly yours,

signature over printed name  
Name of Family Representative or Group



For Peoples Organization

**LETTER OF AGREEMENT**

**DENR – UDP No. Region (region in Roman Numeral) 2009-(Number)**

Provisions of funds from the **Upland Development Program**, through the Department of Environment and Natural Resources, to the

(Specify Name of Peoples Organization).

(Specify address)

**1 Introduction**

The Department of Environment and Natural Resources (hereinafter referred to as “DENR”), will make available to the (pls specify Peoples Organization Name) (hereinafter referred to as “Recipient Organization”) a financial assistance from the **Upland Development Program** (hereinafter referred to as “the Program”) in the amount of PhP [please specify amount in letters] (Ph Peso) [please specify amount in figures], in support of the implementation of the 2009 Upland Development Program in (specify location of the project) for the period of (please specify inclusive months covered) 2009.

**2 Purpose**

- 2.1 The activities for which funds provided by DENR under this Letter of Agreement (LOA) shall be used, are the following: (please indicate only whichever is/are appropriate to the PO)
  - A. Establish and manage a \_\_\_\_\_ hectare/s nursery within the CBFM/CBRM area for the production of planting materials for the project;
  - B. Produce \_\_\_\_\_ quality planting materials with allowance for mortality;
- 2.2 The work and financial plan (Annexes 1-A, and 1-B), GIS-generated maps are attached and shall form as integral part of this Agreement.

**3 General Conditions**

- 3.1 Funds provided by the UDP under this Agreement shall be used by the Recipient Organization exclusively for the conduct of said activities consistent with the work and financial plan.
- 3.2 This Agreement shall be governed by general principles of law, the DENR Memorandum Circular No. 2008 – 04, and any other pertinent laws, rules and regulations governing the implementation of the Upland Development Program and other ENR rules and regulations.
- 3.3 The DENR shall have the right to terminate this Agreement, through a written notice to this effect, if it considers that the continued implementation of the Agreement is not practicable:
  - 3.3.1 Force majeure for unforeseen causes beyond the control of the DENR or the recipient organization;
  - 3.3.2 In the event of a default on the part of the Recipient Organization.

- 3.3.2.1 Fraud, misrepresentation or omission by the implementer of material facts in obtaining the LOA which would otherwise disqualify the PO;
  - 3.3.2.2 Failure to start the project on the date specified in the LOA without just cause;
  - 3.3.2.3 Abandonment of the project area, or of the work stipulated in the LOA, for a period of at least one month from the date of discovery by the DENR of such fact; or
  - 3.3.2.4 Violation of, or failure to comply with the terms and conditions of the agreement, and the pertinent provisions of the UDP Guidelines and other ENR rules and regulations
- 3.4 In the event of the Recipient Organization's non-compliance or partial compliance with the terms of this Agreement, after having been subjected to due process, it shall refund to the DENR any payment already received in respect to activities that have not been performed by the Recipient Organization in accordance to a standard considered acceptable to the DENR.
- 3.5 In the event of termination by the DENR for unforeseen causes beyond its control, the DENR shall complete all payments due to the Recipient Organization for activities already conducted.
- 3.6 The Recipient Organization as well as its members shall not assign, in whole or in part, this Agreement nor the rights and obligations hereunder to non PO member. In case of default of individual member to satisfy his/her obligations under the Agreement, the Recipient Organization may assign to other PO member the work of defaulting member.

#### 4 Reporting

The Recipient Organization shall submit to the CENRO \_\_\_\_\_ (pls specify CENRO name and location) through channel, the following documents and reports:

- 4.3 List of PO member-beneficiaries and the internal implementation mechanisms and guidelines within one month after signature of the Agreement by both parties.
- 4.4 Progress Report, on a quarterly basis, sketch map of area developed, photo documentation on the implementation of the activities, and statement of work accomplishment (SWA) (Annexes 2-A and 2-B) based on the work and financial plan (certified by the Treasurer of the Recipient Organization), which shall serve as bases for the release of payments.
- 4.5 Final report accompanied with a map indicating the areas developed, list of actual recipients and their respective areas developed, and photo documentation within one (1) month after the completion of the Agreement.

#### 5 Terms of Payment

- 5.3 For the execution of the project under this Agreement, the DENR shall make available financial assistance of PhP [please specify amount in letters followed by amount in figures]. The payments shall be made as follows:

**Nursery Establishment and Seedling Production**

<b>Schedule of Release</b>	<b>Activities</b>	<b>Timeframe</b>
1 <sup>st</sup> release	15% of the project cost as mobilization fund for preparation of nursery site and construction of nursery bed	Upon receipt of notice to proceed
2 <sup>nd</sup> release	60% of the project cost to be released after completion of the activities under the first tranche. This amount shall be used for the acquisition of planting materials, potting soil and organic fertilizer; sowing and potting of the target number of seedlings and application of organic fertilizer	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25% of the project cost to be released after hardening off and grading of the total number of seedlings with at least 40 cm high	after four (4) months from the 2 <sup>nd</sup> release

5.1 The sum stipulated in item 5.1 above represents the full amount to be paid by the DENR for services to be provided by the Recipient Organization under this Agreement. Payment for labor shall be subject to a seven (7) percent value added tax (VAT) which will be retained upon payment of every billing.

5.2 The DENR shall make the above-mentioned payments through checks in favor of the Recipient Organization/Peoples Organization.

**6 Settlement of Disputes**

Any dispute between DENR and the Recipient Organization arising out of the interpretation or execution of this Agreement shall be settled by mutual agreement. If DENR and the Recipient Organization are unable to reach an amicable agreement on any question in dispute or on a mode of settlement other than arbitration, either party shall have the right to request arbitration in accordance with the Arbitration Rules, as at present in force. The DENR and the Recipient Organization agree to be bound by any arbitration award rendered in accordance with the above, as the final adjudication of any such dispute.

**7 Amendments**

Any amendment to this Agreement shall be effected only on the basis of written mutual consent by the Parties.

**8 Effectivity**

8.1 This Agreement shall take effect upon signature by both Parties.

8.2 The Recipient Organization shall sign this Agreement in duplicate and return one original copy to the DENR.

**Signed on behalf of the Department of Environment and Natural Resources:**

Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

CENR Officer: \_\_\_\_\_  
 Office Address: \_\_\_\_\_

**Signed on behalf of the \_\_\_\_\_  
 (Recipient Organization/PO Name):**

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Mr./Ms. \_\_\_\_\_  
President  
PO Address

WITNESSES:

\_\_\_\_\_  
PO Officer

\_\_\_\_\_  
CENRO CBFM Coordinator

**ACKNOWLEDGMENT**

REPUBLIC OF THE PHILIPPINES }  
QUEZON CITY } SS.

**BEFORE ME**, this \_\_ day of \_\_\_\_\_, 2008 in Quezon City, personally appeared:

Name	CTC No.	Issued at	Issued on
_____	_____	_____	_____
_____	_____	_____	_____

all known to me and to me known to be the same persons who executed the foregoing instrument, consisting of \_\_\_\_ pages, including this page on which the acknowledgment is written, and acknowledged to me that the same is their free and voluntary act and deed and of the entities they represent.

WITNESS MY HAND AND SEAL at the date and place written above.

NOTARY PUBLIC  
My Commission expires on Dec. 31 200\_

Doc. No. \_\_\_\_\_  
Page No. \_\_\_\_\_  
Book No. \_\_\_\_\_  
Series of 2009

REGION \_\_\_\_\_  
 UPLAND DEVELOPMENT PROGRAM  
 WORK AND FINANCIAL PLAN

Name of Peoples Organization/Stakeholder \_\_\_\_\_

PROVINCE : \_\_\_\_\_  
 CENRO : \_\_\_\_\_  
 Project Location (Brgy/Municipality) : \_\_\_\_\_  
 Land Development Type : \_\_\_\_\_ hectares of Reforestation  
 Proposed Spacing & Species to be Planted : \_\_\_\_\_

ACTIVITIES	UWM	TARGET/ QUANTITY	UNIT COST	TOTAL BUDGET	Calendar Year 2009				
					BREAKDOWN OF PHYSICAL TARGET/QUANTITY				TOTAL
					1ST QTR	2ND QTR	3RD QTR	4TH QTR	
<b>A. NURSERY ESTABLISHMENT/REHAB (area _____ sq.m)*</b>				(Sub-total here)					
Establishment of Nursery Shedhouse	No. of Shedhouse Established								
Establishment of Bunk House	No. of Bunkhouses established								
Seedbed/Compostbeds Established	No. seedbeds established								
<b>B. SEEDLING PRODUCTION</b>				(Sub-total here)					
Species (e.g., Gmelina at _X_ M Spacing plus 20% Mortality)	No. of seedlings								
Species (e.g., Mahogany)	No. of seedlings								
<b>C. SITE PREPARATION AND OUTPLANTING</b>				(Sub-total here)					
Brushing (strip 2m-wide, 300 sq m/md)	sq.m.								
Staking (500 spots/md)	stakes								
Hole Digging (150 spots/md)	hole								
Planting (150 sdg/md)	hectares planted								
	no. of seedling								
<b>D. PLANTATION MAINTENANCE &amp; PROTECTION</b>				(Sub-total here)					
Ringweeding/replanting (1 m radius, 1 pass, 120 spots/md)	spots								
Organic fertilizer (1 pass at 180 grm/seedling)	no. of bags procured								
Fertilizer application (PO labor Counterpart)	spots								
Fire Prevention & patrol work	mandays								
	ha								
<b>TOTAL DEVELOPMENT COST</b>									

Prepared by: \_\_\_\_\_

Assisted &amp; Reviewed by: \_\_\_\_\_

\_\_\_\_\_  
PO Chairperson/President\_\_\_\_\_  
CENRO/PASU Technical Staff

Recommended by: \_\_\_\_\_

Approved by: \_\_\_\_\_

\_\_\_\_\_  
CENRO/PASU\_\_\_\_\_  
PENRO

REGION \_\_\_\_\_  
 UPLAND DEVELOPMENT PROGRAM  
 WORK AND FINANCIAL PLAN

\_\_\_\_\_  
 Name of Peoples Organization/Stakeholder

PROVINCE : \_\_\_\_\_  
 CENRO : \_\_\_\_\_  
 Project Location (Brgy/Municipality) : \_\_\_\_\_  
 Land Development Type : \_\_\_\_\_ hectares of Agroforestry  
 Proposed Spacing & Species to be Planted : \_\_\_\_\_

ACTIVITIES	UWM	TARGET/ QUANTITY	UNIT COST	TOTAL BUDGET	Calendar Year 2009				TOTAL
					BREAKDOWN OF PHYSICAL TARGET/QUANTITY	1ST QTR	2ND QTR	3RD QTR	
<b>A. SEEDLING PRODUCTION/PROCUREMENT</b>				(Sub-total here)					
Species (e.g., Mango at __ x __ M spacing plus 10% Mortality)	No. of seedling								
Species (e.g., Durian )	No. of seedling								
Species B specify type	No. of seedling								
<b>B. PROCUREMENT OF SEEDS</b>									
Specify type of seed	kg. of seed								
Specify type of seed	kg. of seed								
<b>C. SITE PREPARATION AND OUTPLANTING</b>				(Sub-total here)					
Brushing (strip 2m-wide, 300 sq m/md)	sq.m.								
Staking (500 spots/md)	stakes								
Hole Digging (150 spots/md)	hole								
Planting (150 sdg/md)	hectares planted								
	(no. of seedlings)								
Establishment of SWCs	hectare								
<b>D. PLANTATION MAINTENANCE &amp; PROTECTION</b>				(Sub-total here)					
Ringweeding/replanting (1 m radius, 1 pass, 120 spots/md)	spots								
Organic fertilizer (1 pass)	no. of bags procured								
Fertilizer application (PO labor Counterpart)	spots								
Pesticides Application	liters procured								
<b>TOTAL DEVELOPMENT COST</b>									

Prepared by:

Assisted &amp; Reviewed by:

\_\_\_\_\_  
 FO Chairperson/President

\_\_\_\_\_  
 CENRO/PASU Technical Staff

Recommended by:

Approved by:

\_\_\_\_\_  
 CENRO/PASU

\_\_\_\_\_  
 PENRO

REGION \_\_\_\_\_  
 UPLAND DEVELOPMENT PROGRAM  
 STATEMENT OF WORK ACCOMPLISHMENT  
 As of \_\_\_\_\_, \_\_, 2009

\_\_\_\_\_  
 Name of Peoples Organization/Stakeholder

PROVINCE : \_\_\_\_\_  
 CENRO : \_\_\_\_\_  
 Project Location (Brgy/Municipality) : \_\_\_\_\_  
 Land Development Type : \_\_\_\_\_ hectares of Reforestation

ACTIVITIES	UWM	TOTAL BUDGET	PHYSICAL QUANTITY		% ACCOMP	PAYABLE	REMARKS
			TOTAL TARGET	ACCOMP TO DATE			
A	B	C	D	E	F = E/D x 100	G = C x F	
<b>A. NURSERY ESTABLISHMENT/REHAB (area sq.m)*</b>							
Establishment of Nursery Shedhouse	No. of Shedhouse Established						
Establishment of Bunk House	No. of Bunkhouses established						
Seedbed/Compostbeds Established	No. seedbeds established						
<b>B. SEEDLING PRODUCTION</b>							
Species (e.g., Gmelina at _X_M Spacing plus 20% Mortality)	No. of seedlings						
Species (e.g., Mahogany)	No. of seedlings						
<b>C. SITE PREPARATION AND OUTPLANTING</b>							
Brushing (strip 2m-wide, 300 sq m/md)	sq.m.						
Staking (500 spots/md)	stakes						
Hole Digging (150 spots/md)	hole						
Planting (150 sdlg/md)	hectares planted						
	no. of seedlings						
<b>D. PLANTATION MAINTENANCE &amp; PROTECTION</b>							
Ringweeding/replanting (1 m radius, 1 pass, 120 spots/md)	spots						
Organic fertilizer (1 pass at 180 grm/seedling)	no. of bags procured						
Fertilizer application (PO labor Counterpart)	spots						
Fire Prevention & patrol work	mandays						
	ha						
					TOTAL PAYABLES >>		
					TOTAL AMOUNT PREVIOUSLY RECEIVED >>		
					RECOMMENDED AMOUNT THIS BILLING PERIOD >>		

Prepared by:

Reviewed /Validated by:

\_\_\_\_\_  
PO Chairperson/President\_\_\_\_\_  
CENRO/PASU Technical Staff

REGION \_\_\_\_\_  
 UPLAND DEVELOPMENT PROGRAM  
 STATEMENT OF WORK ACCOMPLISHMENT  
 As of \_\_\_\_\_, \_\_, 2009

\_\_\_\_\_  
 Name of Peoples Organization/Stakeholder

PROVINCE : \_\_\_\_\_  
 CENRO : \_\_\_\_\_  
 Project Location (Brgy/Municipality) : \_\_\_\_\_  
 Land Development Type : \_\_\_\_\_ hectares of Agroforestry  
 Proposed Spacing & Species to be Planted : \_\_\_\_\_

ACTIVITIES A	UWM B	TOTAL BUDGET C	PHYSICAL/QUANTITY		% ACCOMP F = E/D x 100	PAYABLE G = C x f	REMARKS	
			TOTAL TARGET D	ACCOMP TO DATE E				
<b>A. SEEDLING PRODUCTION/PROCUREMENT</b>								
Species (e.g., Mango at __ x __ M spacing plus 10% Mortality)	No. of seedling							
Species (e.g., Durian )	No. of seedling							
Species B specify type	No. of seedling							
<b>B. PROCUREMENT OF SEEDS</b>								
(Specify type of seed e.g. corn)	kg. of seed							
(Specify type of seed)	kg. of seed							
<b>C. SITE PREPARATION AND OUTPLANTING</b>								
Brushing (strip 2m-wide, 300 sq m/md)	sq.m.							
Staking (500 spots/md)	stakes							
Hole Digging (150 spots/md)	hole							
Planting of fruit trees etc. (150 sdlg/md)	hectares planted							
	no. of seedlings							
Establishment of SWCs	hectares planted							
<b>D. PLANTATION MAINTENANCE &amp; PROTECTION</b>								
Ringweeding/replanting (1 m radius, 1 pass, 120 spots/md)	spots							
Organic fertilizer (1 pass)	no. of bags procured							
Organic Fertilizer application (PO labor Counterpart)	spots							
Pesticides Application	liters procured							
		TOTAL PAYABLES >>						
		TOTAL AMOUNT PREVIOUSLY RECEIVED >>						
		RECOMMENDED AMOUNT THIS BILLING PERIOD >>						

Prepared by: \_\_\_\_\_

\_\_\_\_\_  
 PO Chairperson/President

\_\_\_\_\_  
 CENRO/PASU Technical Staff



For PO members

**LETTER OF AGREEMENT**

**DENR – UDP No. Region (region in Roman Numeral) 2009-(Number)**

Provisions of funds from the **Upland Development Program**, through the Department of Environment and Natural Resources, to the

(Specify Name of PO member)

Indicate also name of Peoples Organization and address).

(Specify address of PO)

**1 Introduction**

The Department of Environment and Natural Resources (hereinafter referred to as “DENR”), will make available to the (pls specify name of member) (hereinafter referred to as “Recipient PO member”) a financial assistance from the **Upland Development Program** (hereinafter referred to as “the Program”) in the amount of PhP [please specify amount in letters] (Ph Peso) [please specify amount in figures], in support of the implementation of the 2009 Upland Development Program in (specify location of the project) for the period of (please specify inclusive months covered) 2009.

**2 Purpose**

- 2.1 The activities for which funds provided by DENR under this Letter of Agreement (LOA) shall be used to develop \_\_\_\_\_ hectares of agroforestry through the adoption of appropriate agroforestry techniques
- 2.2 The work and financial plan (Annexes 1-A, and 1-B), GIS-generated maps are attached and shall form as integral part of this Agreement.

**3 General Conditions**

- 3.1 Funds provided by the UDP under this Agreement shall be used by the Recipient Organization exclusively for the conduct of said activities consistent with the work and financial plan.
- 3.2 This Agreement shall be governed by general principles of law, the DENR Memorandum Circular No. 2008 – 04, and any other pertinent laws, rules and regulations governing the implementation of the Upland Development Program and other ENR rules and regulations.
- 3.3 The DENR shall have the right to terminate this Agreement, through a written notice to this effect, if it considers that the continued implementation of the Agreement is not practicable:
  - 3.3.1 Force majeure for unforeseen causes beyond the control of the DENR or the recipient organization;
  - 3.3.2 In the event of a default on the part of the Recipient PO member.
    - 3.3.2.1 Fraud, misrepresentation or omission by the implementer of material facts in obtaining the LOA which would otherwise disqualify the PO member;

3.3.2.2 Failure to start the project on the date specified in the LOA without just cause;

3.3.2.3 Abandonment of the project area, or of the work stipulated in the LOA, for a period of at least one month from the date of discovery by the DENR of such fact; or

3.3.2.4 Violation of, or failure to comply with the terms and conditions of the agreement, and the pertinent provisions of the UDP Guidelines and other ENR rules and regulations

3.4 In the event of the Recipient PO member's non-compliance or partial compliance with the terms of this Agreement, after having been subjected to due process, it shall refund to the DENR any payment already received in respect to activities that have not been performed by the Recipient PO member in accordance to a standard considered acceptable to the DENR.

3.5 In the event of termination by the DENR for unforeseen causes beyond its control, the DENR shall complete all payments due to the Recipient PO member for activities already conducted.

4 Reporting

The Recipient PO member shall submit to the CENRO (pls specify name of CENRO and location), the following documents and reports:

4.1 Progress Report, on a quarterly basis, sketch map of area developed, photo documentation on the implementation of the activities, and statement of work accomplishment (SWA) (Annexes 2-A and 2-B) based on the work and financial plan which shall serve as bases for the release of payments.

4.2 Final report accompanied with a map indicating the areas developed, list of actual recipients and their respective areas developed, and photo documentation within one (1) month after the completion of the Agreement.

5 Terms of Payment

5.1 For the execution of the project under this Agreement, the DENR shall make available financial assistance of PhP [please specify amount in letters followed by amount in figures]. The payments for the development of agroforestry farms shall be made as follows:

Schedule of Release	Activities	Timeframe
1 <sup>st</sup> release	15% of the project cost as mobilization fund to be released for site preparation and procurement of seeds of high-value crops and nitrogen fixing plants for hedgerows and planting stocks of fuelwood species; and marking of contour lines	Upon receipt of Notice to Proceed
2 <sup>nd</sup> release	50% of the project cost to be released after completing the activities indicated in the first release. This amount shall be used for the purchase of fruit tree seedlings and organic fertilizer, planting of short term agricultural crops and fuelwood; planting and establishment of hedgerows along contour lines; spot/strip brushing, hole digging and planting	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25% of the project cost to be released after completing the activities under 2 <sup>nd</sup> release	after four (4) months from the 2 <sup>nd</sup> release
4 <sup>th</sup> release	10% of the project cost to be released after completing the first cycle maintenance and protection activities such as strip brushing, ring weeding and replanting to meet the 95% survival rate requirement	after two (2) months from the 3 <sup>rd</sup> release

5.2 The sum stipulated in item 5.1 above represents the full amount to be paid by the DENR for services to be provided by the Recipient PO member under this Agreement. Payment for labor shall be subject to a seven (7) percent value added tax (VAT) which will be retained upon payment of every billing.

5.3 The DENR shall make the above-mentioned payments through checks in favor of the Recipient PO member.

6 Settlement of Disputes

Any dispute between DENR and the Recipient PO member arising out of the interpretation or execution of this Agreement shall be settled by mutual agreement. If DENR and the Recipient PO member are unable to reach an amicable agreement on any question in dispute or on a mode of settlement other than arbitration, either party shall have the right to request arbitration in accordance with the Arbitration Rules, as at present in force. The DENR and the Recipient PO member agree to be bound by any arbitration award rendered in accordance with the above, as the final adjudication of any such dispute.

7 Amendments

Any amendment to this Agreement shall be effected only on the basis of written mutual consent by the Parties.

8 Effectivity

8.1 This Agreement shall take effect upon signature by both Parties.

8.2 The Recipient PO member shall sign this Agreement in duplicate and return one original copy to the DENR.

**Signed on behalf of the Department of Environment and Natural Resources:**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

CENR Officer: \_\_\_\_\_

Office Address:

**Signed by Recipient PO member** \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

WITNESSES:

\_\_\_\_\_  
PO Officer

\_\_\_\_\_  
CENRO CBFM Coordinator

**ACKNOWLEDGMENT**

REPUBLIC OF THE PHILIPPINES }  
QUEZON CITY } SS.

**BEFORE ME**, this \_\_ day of \_\_\_\_\_, 2008 in Quezon City, personally appeared:

Name \_\_\_\_\_ CTC No. \_\_\_\_\_ Issued at \_\_\_\_\_ Issued on \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

all known to me and to me known to be the same persons who executed the foregoing instrument, consisting of \_\_\_\_ pages, including this page on which the acknowledgment is written, and acknowledged to me that the same is their free and voluntary act and deed and of the entities they represent.

WITNESS MY HAND AND SEAL at the date and place written above.

NOTARY PUBLIC  
My Commission expires on Dec. 31 200\_

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Series of 2009

For Peoples Organization

## LETTER OF AGREEMENT

DENR – UDP No. Region (region in Roman Numeral) 2009-(Number)

Provisions of funds from the **Upland Development Program**, through the Department of Environment and Natural Resources, to the

(Specify Name of Peoples Organization),

(Specify address of PO)

### 1 Introduction

The Department of Environment and Natural Resources (hereinafter referred to as “DENR”), will make available to the (pls specify Peoples Organization Name) (hereinafter referred to as “Recipient Organization”) a financial assistance from the **Upland Development Program** (hereinafter referred to as “the Program”) in the amount of PhP [please specify amount in letters] (Ph Peso) [please specify amount in figures], in support of the implementation of the 2009 Upland Development Program in (specify location of the project) for the period of (please specify inclusive months covered) 2009.

### 2 Purpose

- 2.1 The activities for which funds provided by DENR under this Letter of Agreement (LOA) shall be used to establish \_\_\_\_\_ hectares through planting or in combination of assisted natural regeneration or enrichment planting within appropriate areas in CBFM/CBRM or CADC/CADT;
- 2.2 The work and financial plan (Annexes 1-A, and 1-B), GIS-generated maps are attached and shall form as integral part of this Agreement.

### 3 General Conditions

- 3.1 Funds provided by the UDP under this Agreement shall be used by the Recipient Organization exclusively for the conduct of said activities consistent with the work and financial plan.
- 3.2 This Agreement shall be governed by general principles of law, the DENR Memorandum Circular No. 2008 – 04, and any other pertinent laws, rules and regulations governing the implementation of the Upland Development Program and other ENR rules and regulations.
- 3.3 The DENR shall have the right to terminate this Agreement, through a written notice to this effect, if it considers that the continued implementation of the Agreement is not practicable:
  - 3.3.1 for unforeseen causes beyond the control of the DENR;
  - 3.3.2 in the event of a default on the part of the Recipient Organization.
    - 3.3.2.1 Fraud, misrepresentation or omission by the implementer of material facts in obtaining the LOA which would otherwise disqualify the PO;

- 3.3.2.2 Failure to start the project on the date specified in the LOA without just cause;
  - 3.3.2.3 Abandonment of the project area, or of the work stipulated in the LOA, for a period of at least one month from the date of discovery by the DENR of such fact; or
  - 3.3.2.4 Violation of, or failure to comply with the terms and conditions of the agreement, and the pertinent provisions of the UDP Guidelines and other ENR rules and regulations
- 3.4 In the event of the Recipient Organization's non-compliance or partial compliance with the terms of this Agreement, after having been subjected to due process, it shall refund to the DENR any payment already received in respect to activities that have not been performed by the Recipient Organization in accordance to a standard considered acceptable to the DENR.
  - 3.5 In the event of termination by the DENR for unforeseen causes beyond its control, the DENR shall complete all payments due to the Recipient Organization for activities already conducted.
  - 3.6 The Recipient Organization as well as its members shall not assign, in whole or in part, this Agreement nor the rights and obligations hereunder to non PO member. In case of default of individual member to satisfy his/her obligations under the Agreement, the Recipient Organization may assign to other PO member the work of defaulting member.

#### 4 Reporting

The Recipient Organization shall submit to the Regional Executive Director, DENR Region \_\_\_\_\_ (pls specify Regional Office No. and location) through channel, the following documents and reports:

- 4.1 List of PO member-beneficiaries and the internal implementation mechanisms and guidelines within one month after signature of the Agreement by both parties.
- 4.2 Progress Report, on a quarterly basis, sketch map of area developed, photo documentation on the implementation of the activities, and statement of work accomplishment (SWA) (Annexes 2-A and 2-B) based on the work and financial plan (certified by the Treasurer of the Recipient Organization), which shall serve as bases for the release of payments.
- 4.3 Final report accompanied with a map indicating the areas developed, list of actual recipients and their respective areas developed, and photo documentation within one (1) month after the completion of the Agreement.

#### 5 Terms of Payment

- 5.1 For the execution of the project under this Agreement, the DENR shall make available financial assistance of Php [please specify amount in letters followed by amount in figures]. The payments shall be made as follows:

A. For Reforestation

<b>Schedule of Release</b>	<b>Activities</b>	<b>Timeframe</b>
1 <sup>st</sup> release	15 % of the project cost for mobilization to be released for strip brushing, staking and hole-digging	Upon receipt of Notice to Proceed
2 <sup>nd</sup> release	50 % of the project cost to be released after completing the activities indicated in the first release. This amount shall be utilized for planting, application of fertilizer, ring weeding (1 pass), and spot cultivation	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25 % of the project cost to be released after outplanting at proper spacing, ring weeding, and fertilizer application	after four (4) months from the 2 <sup>nd</sup> release
4 <sup>th</sup> release	10% of the project cost after completing the construction of firelines around the plantation and replanting to meet the 95% survival rate requirement	After two (2) months from the 3 <sup>rd</sup> release

B. Assisted Natural Regeneration

<b>Schedule of Release</b>	<b>Activities</b>	<b>Timeframe</b>
1 <sup>st</sup> release	15% of the project cost as mobilization fund for identification, staking of wildlings and ring weeding (1 meter radius)	Upon receipt of Notice to Proceed
2 <sup>nd</sup> release	50 % of the project cost to be released after the completion of the above activities. This amount shall be utilized in the conduct of the following activities: lopping off of grasses in the ANR area and ring weeding; hole digging and planting for enrichment planting	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25% of the project cost after outplanting	after four (4) months from the 2 <sup>nd</sup> release
4 <sup>th</sup> release	10% of the project cost after completing the first cycle maintenance and protection and at least 95% survival is attained	After two (2) months from the 3 <sup>rd</sup> release

5.2 The sum stipulated in item 5.1 above represents the full amount to be paid by the DENR for services to be provided by the Recipient Organization under this Agreement subject to a seven (7) percent value added tax (VAT) which will be retained upon payment of every billing.

5.3 The DENR shall make the above-mentioned payments through checks in favor of the Recipient Organization/Peoples Organization.

6 Settlement of Disputes

Any dispute between DENR and the Recipient Organization arising out of the interpretation or execution of this Agreement shall be settled by mutual agreement. If DENR and the Recipient Organization are unable to reach an amicable agreement on any question in dispute or on a mode of settlement other than arbitration, either party shall have the right to request arbitration in accordance with the Arbitration Rules, as at present in force. The DENR and the Recipient Organization agree to

be bound by any arbitration award rendered in accordance with the above, as the final adjudication of any such dispute.

7 Amendments

Any amendment to this Agreement shall be effected only on the basis of written mutual consent by the Parties.

8 Effectivity

8.1 This Agreement shall take effect upon signature by both Parties.

8.2 The Recipient Organization shall sign this Agreement in duplicate and return one original copy to the DENR.

**Signed on behalf of the Department of Environment and Natural Resources:**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

CENR Officer: \_\_\_\_\_

Office Address:

**Signed on behalf of the \_\_\_\_\_**

**(Recipient Organization/PO Name):**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Mr./Ms. \_\_\_\_\_

President

PO Address

WITNESSES:

\_\_\_\_\_  
PO Officer

\_\_\_\_\_  
CENRO CBFM Coordinator/PASU



**ACKNOWLEDGMENT**

REPUBLIC OF THE PHILIPPINES }  
QUEZON CITY } SS.

**BEFORE ME**, this \_\_ day of \_\_\_\_\_, 2008 in Quezon City, personally appeared:

Name                      CTC No.                      Issued at                      Issued on \_\_\_\_\_  
\_\_\_\_\_

all known to me and to me known to be the same persons who executed the foregoing instrument, consisting of five (5) pages, including this page on which the acknowledgment is written, and acknowledged to me that the same is their free and voluntary act and deed and of the entities they represent.

WITNESS MY HAND AND SEAL at the date and place written above.

NOTARY PUBLIC  
My Commission expires on Dec. 31 200\_

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Series of 2009

For Upland Farmer Households (Non PO Members) or Out of School Youth

## LETTER AGREEMENT

DENR – UDP No. Region (region in roman Numeral) 2009 – (Number)

Provisions of Funds from the Upland Development Program, through the Department of Environment and Natural Resources, to the

(Specify Name of Implementor),

(Specify Address)

### I . Introduction

The Department of Environment and Natural Resources (hereinafter referred to as “DENR”), will make available to the (pls specify name of Implementor) (hereinafter referred to as “Recipient Implementor”) a financial assistance from the **Upland Development Program** (hereinafter referred to as “the Program”) in the amount of PhP [please specify amount in letters] (Ph Peso) [please specify amount in figures], in support of the implementation of the 2009 Upland Development Program in (specify location of the project) for the period of (please specify inclusive months covered) 2009.

### 1 Purpose

- 1.1 The activities for which funds provided by DENR under this Letter of Agreement (LOA) shall be used to undertake \_\_\_\_\_ hectares of reforestation, assisted natural regeneration, enrichment planting and streambank rehabilitation in untenured areas within the UDP project located above.
- 1.2 The work and financial plan (Annexes 1-A, and 1-B), GIS-generated maps are attached and shall form as integral part of this Agreement.

### 2 General Conditions

- 2.1 Funds provided by the UDP under this Agreement shall be used by the Recipient Implementor exclusively for the conduct of said activities consistent with the work and financial plan.
- 2.2 This Agreement shall be governed by general principles of law, the DENR Memorandum Circular No. 2008 – 04, and any other pertinent laws, rules and regulations governing the implementation of the Upland Development Program and other ENR rules and regulations.
- 2.3 The DENR shall have the right to terminate this Agreement, through a written notice to this effect, if it considers that the continued implementation of the Agreement is not practicable:
  - 2.3.1 Force majeure for unforeseen causes beyond the control of the DENR or the recipient organization;
  - 2.3.2 In the event of a default on the part of the Recipient Implementor.
    - 2.3.2.1 Fraud, misrepresentation or omission by the implementer of material facts in obtaining the LOA which would otherwise disqualify the Implementor;

2.3.2.2 Failure to start the project on the date specified in the LOA without just cause;

2.3.2.3 Abandonment of the project area, or of the work stipulated in the LOA, for a period of at least one month from the date of discovery by the DENR of such fact; or

2.3.2.4 Violation of, or failure to comply with the terms and conditions of the agreement, and the pertinent provisions of the UDP Guidelines and other ENR rules and regulations

2.4 In the event of the Recipient Implementor's non-compliance or partial compliance with the terms of this Agreement, after having been subjected to due process, it shall refund to the DENR any payment already received in respect to activities that have not been performed by the Recipient Implementor in accordance to a standard considered acceptable to the DENR.

2.5 In the event of termination by the DENR for unforeseen causes beyond its control, the DENR shall complete all payments due to the Recipient Implementor for activities already conducted.

### 3 Reporting

The Recipient Implementor shall submit to the CENRO (pls specify name of CENRO and location), the following documents and reports:

3.1 Progress Report, on a quarterly basis, sketch map of area developed, photo documentation on the implementation of the activities, and statement of work accomplishment (SWA) (Annexes 2-A and 2-B) based on the work and financial plan which shall serve as bases for the release of payments.

3.2 Final report accompanied with a map indicating the areas developed, list of actual recipients and their respective areas developed, and photo documentation within one (1) month after the completion of the Agreement.

### 4 Terms of Payment

4.1 For the execution of the project under this Agreement, the DENR shall make available financial assistance of PhP [please specify amount in letters followed by amount in figures]. The payments shall be made as follows:

#### A. Reforestation

Schedule of Release	Activities	Timeframe
1 <sup>st</sup> release	15 % of the project cost for mobilization to be released for strip brushing, staking and hole-digging	Upon receipt of Notice to Proceed
2 <sup>nd</sup> release	50 % of the project cost to be released after completing the activities indicated in the first release. This amount shall be utilized for planting, application of fertilizer, ring weeding (1 pass), and spot cultivation	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25 % of the project cost to be released after outplanting at proper spacing, ring weeding, and fertilizer application	after four (4) months from the 2 <sup>nd</sup> release
4 <sup>th</sup> release	10% of the project cost after completing the construction of firelines around the plantation and replanting to meet the 95% survival rate requirement	After two (2) months from the 3 <sup>rd</sup> release

B. Assisted natural regeneration

Schedule of Release	Activities	Timeframe
1 <sup>st</sup> release	15% of the project cost as mobilization fund for identification, staking of wildlings and ring weeding (1 meter radius)	Upon receipt of Notice to Proceed
2 <sup>nd</sup> release	50 % of the project cost to be released after the completion of the above activities. This amount shall be utilized in the conduct of the following activities: lopping off of grasses in the ANR area and ring weeding; hole digging and planting for enrichment planting	within one (1) month after 1 <sup>st</sup> release
3 <sup>rd</sup> release	25% of the project cost after outplanting	after four (4) months from the 2 <sup>nd</sup> release
4 <sup>th</sup> release	10% of the project cost after completing the first cycle maintenance and protection and at least 95% survival is attained	After two (2) months from the 3 <sup>rd</sup> release

4.2 The sum stipulated in item 5.1 above represents the full amount to be paid by the DENR for services to be provided by the Recipient Implementor under this Agreement. Payment for labor shall be subject to a seven (7) percent value added tax (VAT) which will be retained upon payment of every billing.

4.3 The DENR shall make the above-mentioned payments through checks in favor of the Recipient Implementor.

5 Settlement of Disputes

Any dispute between DENR and the Recipient Implementor arising out of the interpretation or execution of this Agreement shall be settled by mutual agreement. If DENR and the Recipient Implementor are unable to reach an amicable agreement on any question in dispute or on a mode of settlement other than arbitration, either party shall have the right to request arbitration in accordance with the Arbitration Rules, as at present in force. The DENR and the Recipient Implementor agree to be bound by any arbitration award rendered in accordance with the above, as the final adjudication of any such dispute.

6 Amendments

Any amendment to this Agreement shall be effected only on the basis of written mutual consent by the Parties.

7 Effectivity

7.1 This Agreement shall take effect upon signature by both Parties.

7.2 The Recipient Organization shall sign this Agreement in duplicate and return one original copy to the DENR.

**Signed on behalf of the Department of Environment and Natural Resources:**

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

CENR Officer: \_\_\_\_\_  
Office Address: \_\_\_\_\_

**Signed by Receptient Implementor** \_\_\_\_\_

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**WITNESSES:**

\_\_\_\_\_  
Barangay Chairman

\_\_\_\_\_  
CENRO CBFM Coordinator/PASU

**ACKNOWLEDGMENT**

REPUBLIC OF THE PHILIPPINES }  
QUEZON CITY } SS.

**BEFORE ME**, this \_\_ day of \_\_\_\_\_, 2008 in Quezon City, personally appeared:

Name                      CTC No.                      Issued at                      Issued on \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

all known to me and to me known to be the same persons who executed the foregoing instrument, consisting of \_\_\_\_ pages, including this page on which the acknowledgment is written, and acknowledged to me that the same is their free and voluntary act and deed and of the entities they represent.

WITNESS MY HAND AND SEAL at the date and place written above.

NOTARY PUBLIC  
My Commission expires on Dec. 31 200\_

Doc. No. \_\_\_\_\_  
Page No. \_\_\_\_\_  
Book No. \_\_\_\_\_  
Series of 2009

Refo-Mode 1

Annex F-1

Cost of 1 hectare reforestation project (using 3 m x 3 m spacing)

Common Species Used: Mahogany, Gmelina, Falcata

Activities	Unit of Measure	Unit Cost	Target/ha	1 Year			Year 2	Year 3	Total
				Establishment (Mon. 1-9)	Maint. (Mos 10 -12)	Sub-Total	Maint. (Mos 13-20)	Maint. (Mos 21-30)	
Nursery establ. & maint.*	sq m	5	100	500		500			500
Planting stock production (Plus 20% Mortality)	Seedling	5	1333	6,665		6,665			6,665
<b>Land Improvement</b>									
Site Preparation (Brushing Staking & Hole digging)	mandays	233	17.00	3,961		3,961			3,961
Materials for Staking	stakes	1	1111	1,111		1,111			1,111
Outplanting	mandays	233	12.00	2,796		2,796			2,796
<b>Maintenance and protection</b>									
<b>Maintenance current planting/1st Cycle</b>									
ring weeding & replanting (1 pass at 120 spots/md)	mandays	233	9.26		2157	2,157			2,157
Organic fertilizer (1 pass at 180 grm/seedling)	bag	450	4.00		1800	1,800			1,800
Fireline Construction & Maintenance	mandays	233	4.17		971	971			971
Patrol work	mandays	233	0.44		103	103			103
<b>Maintenance 1 year old planting/2nd Cycle</b>									
ring weeding (2 passes at 150 spots/md)	mandays	233	14.81				3,452		3,452
Organic fertilizer (2 passes at 180 grm/seedling)	bag	450	8.00				3,600		3,600
Fireline Maintenance	mandays	233	3.00				699		699
Patrol work	mandays	233	0.44				103		103
<b>Maintenance 2 year old planting/3rd Cycle</b>									
ring weeding (2 passes at 200 spots/md)	mandays	233	11.11					2,589	2,589
Organic fertilizer (2 passes at 180 grm/seedling)	bag	450	8.00					3,600	3,600
Fireline Maintenance	mandays	233	3.00					699	699
Patrol work	mandays	233	0.44					103	103
<b>Subtotal (Development Cost)</b>				15,033	5,031	20,064	7,854	6,991	34,909
Tools & Fire suppression eqpt.	lot	400	1	400		400			400
<b>Subtotal (Tools &amp; eqpt.)</b>				400		400			400
Survey, GIS-Mapping & Progress Monitoring	hectare	1,500	1	1,500		1,500			1,500
Project Mgt. and Support Services (15% of the Devt Cost)				2,255	755	3,010	1,178	1,049	5,236
<b>Subtotal (DENR Cost)</b>				3,755	755	4,510	1,178	1,049	6,736
<b>TOTAL</b>				19,188	5,786	24,974	9,032	8,039	42,045

**Refo-Mode 2**
**Annex F-2**

Cost of 1 hectare reforestation project (using 4 m x 4 m spacing)

Common Species Used: Mahogany, Gmelina, Falcata

Activities	Unit of Measure	Unit Cost	Target/ha	1 Year			Year 2	Year 3	Total
				Establishment (Mon. 1-9)	Maint. (Mos 10 -12)	Sub-Total	Maint. (Mos 13-20)	Maint. (Mos 21-30)	
<b>Nursery establ. &amp; maint.*</b>	sq m	5	100	500		500			500
<b>Planting stock production (Plus 20% Mortality)</b>	Seedling	5	750	3,750		3,750			3,750
<b>Land Improvement</b>						-			-
Site Preparation (Brushing Staking & Hole digging)	mandays	233	9.58	2,232		2,232			2,232
Materials for Staking	stakes	1	625	625		625			625
Hauling of seedlings & Outplanting	mandays	233	7.60	1,771		1,771			1,771
<b>Maintenance and protection</b>						-			-
<b>Maintenance current planting/1st Cycle</b>						-			-
ring weeding & replanting (1 pass at 120 spots/md)	mandays	233	5.21		1214	1,214			1,214
Organic fertilizer (1 pass at 180 grm/seedling)	bag	450	2.25		1013	1,013			1,013
Fireline Construction	mandays	233	4.17		971	971			971
Patrol work	mandays	233	0.44		103	103			103
<b>Maintenance 1 year old planting/2nd Cycle</b>						-			-
ring weeding (2 passes at 150 spots/md)	mandays	233	8.33			-	1,942		1,942
Organic fertilizer (2 passes at 180 grm/seedling)	bag	450	4.50			-	2,025		2,025
Fireline Maintenance	mandays	233	3.00				699		699
Patrol work	mandays	233	0.44				103		103
<b>Maintenance 2 year old planting/3rd Cycle</b>						-			-
ring weeding (2 passes at 200 spots/md)	mandays	233	6.25			-		1,456	1,456
Organic fertilizer (2 passes at 180 grm/seedling)	bag	450	4.50			-		2,025	2,025
Fireline Maintenance	mandays	233	3.00					699	699
Patrol work	mandays	233	0.44					103	103
<b>Subtotal (Development Cost)</b>				<b>8,878</b>	<b>3,300</b>	<b>12,178</b>	<b>4,769</b>	<b>4,284</b>	<b>21,231</b>
Tools & Fire suppression eqpt.	lot	400	1	400		400			400
<b>Subtotal (Tools &amp; eqpt.)</b>				<b>400</b>		<b>400</b>			<b>400</b>
Survey, GIS-Mapping & Progress Monitoring	hectare	1,500	1	1,500		1,500			1,500
Project Mgt. and Support Services (15% of the Devt Cost)				1,332	495	1,827	715	643	3,185
<b>Subtotal (DENR Cost)</b>				<b>2,832</b>	<b>495</b>	<b>3,327</b>	<b>715</b>	<b>643</b>	<b>4,685</b>
<b>TOTAL</b>				<b>12,110</b>	<b>3,795</b>	<b>15,905</b>	<b>5,484</b>	<b>4,926</b>	<b>26,315</b>

**Refo-Mode 3**
**Annex F-3**

Cost of 1 hectare reforestation project (using 3 m x 4 m spacing)

Common Species Used: Mahogany, Gmelina, Falcata

Activities	Unit of Measure	Unit Cost	Target/ha	1 Year			Year 2	Year 3	Total
				Establishment (Mon. 1-9)	Maint. (Mos 10-12)	Sub-Total	Maint. (Mos 13-20)	Maint. (Mos 21-30)	
<b>Nursery establ. &amp; maint.*</b>	sq m	5	100	500		500			500
<b>Planting stock production (Plus 20% Mortality)</b>	Seedling	5	1000	5,000		5,000			5,000
<b>Land Improvement</b>									-
Site Preparation (Brushing Staking & Hole digging)	mandays	233	12.78	2,978		2,978			2,978
Materials for Staking	stakes	1	833	833		833			833
Outplanting	mandays	233	10.14	2,363		2,363			2,363
<b>Maintenance and protection</b>						-			-
<b>Maintenance current planting/1st Cycle</b>						-			-
ring weeding & replanting (1 pass at 120 spots/md)	mandays	233	6.94		1618	1,618			1,618
Organic fertilizer (1 pass at 180 gm/seedling)	bag	450	3.00		1350	1,350			1,350
Fireline Construction	mandays	233	4.17		971	971			971
Patrol work	mandays	233	0.44		103	103			103
<b>Maintenance 1 year old planting/2nd Cycle</b>						-			-
ring weeding (2 passes at 150 spots/md)	mandays	233	11.11			-	2,589		2,589
Organic fertilizer (2 passes at 180 gm/seedling)	bag	450	6.00			-	2,700		2,700
Fireline Construction & Maintenance	mandays	233	3.00				699		699
Patrol work	mandays	233	0.44				103		103
<b>Maintenance 2 year old planting/3rd Cycle</b>						-			-
ring weeding (2 passes at 200 spots/md)	mandays	233	8.33			-		1,942	1,942
Organic fertilizer (2 passes at 180 gm/seedling)	bag	450	6.00			-		2,700	2,700
Fireline Maintenance	mandays	233	3.00					699	699
Patrol work	mandays	233	0.44					103	103
<b>Subtotal (Development Cost)</b>				11,673	4,042	15,716	6,091	5,444	27,251
Tools & Fire suppression eqpt.	lot	400	1	400		400			400
<b>Subtotal (Tools &amp; eqpt.)</b>				400		400			400
Survey, GIS-Mapping & Progress Monitoring	hectare	1,500	1	1,500		1,500			1,500
Project Mgt. and Support Services (15% of the Devt Cost)				1,751	606	2,357	914	817	4,088
<b>Subtotal (DENR Cost)</b>				3,251	606	3,857	914	817	5,588
<b>TOTAL</b>				15,324	4,649	19,973	7,005	6,261	33,238



AVERAGE COSTS OF 3 REFO MODES/DESIGNS (FOR 1 HECTARE)

Annex F-4

Activities	Unit of Measure	Unit Cost	Target/ha	1 Year			Year 2	Year 3	Total
				Establishment (Mos 1-9)	Maint. (Mos 10-12)	Sub-Total	Maint. (Mos 13-20)	Maint. (Mos 21-30)	
<b>Nursery establ. &amp; maint.*</b>	sq m	5	100	500		500			500
<b>Planting stock production (With 20%)</b>	Seedling	5	1,028	5,138		5,138			5,138
<b>Land Improvement</b>						-			
Site Preparation (Brushing Staking & Hole digging)	mandays	233	13.12	3,057		3,057			3,057
Materials for Staking	stakes	1	856	856		856			
Hauling of seedlings & Outplanting	mandays	233	9.91	2,310		2,310			2,310
<b>Maintenance and protection</b>									-
<b>Maintenance current planting/1st Cycle</b>									-
ring weeding & replanting (1 pass at 120 spots/md)	mandays	233	7.14		1,663	1,663			1,663
Organic fertilizer (1 pass at 180 grm/seedling)	bag	450	3.08		1,387	1,387			1,387
Fireline Construction	mandays	233	4.17		971	971			971
Patrol work	mandays	233	0.44		103	103			103
<b>Maintenance 1 year old planting/2nd Cycle</b>									-
ring weeding (2 passes at 150 spots/md)	mandays	233	11.42				2,661		2,661
Organic fertilizer (2 passes at 180 grm/seedling)	bag	450	6				2,775		2,775
Fireline Maintenance	mandays	233	3.00				699		699
Patrol work	mandays	233	0.44				103		103
<b>Maintenance 2 year old planting/3rd Cycle</b>									-
ring weeding (2 passes at 200 spots/md)	mandays	233	8.56					1,996	1,996
Organic fertilizer (2 passes at 180 grm/seedling)	bag	450	6.17					2,775	2,775
Fireline Maintenance	mandays	233	3.00					699	699
Patrol work	mandays	233	0.44					103	103
<b>Subtotal (Development Cost)</b>				11,861	4,125	15,986	6,238	5,573	26,940
Tools & Fire suppression eqpt.	lot	400	1	400		400			400
<b>Subtotal (Tools &amp; eqpt.)</b>				400	-	400	-	-	400
Survey, GIS-Mapping & Progress Monitoring	hectare	1,500	1	1,500		1,500			1,500
Project Mgt. and Support Services (15% of the Devt Cost)				1,779	619	2,398	936	836	4,170
<b>Subtotal (DENR Cost)</b>				3,279	619	3,898	936	836	5,670
<b>TOTAL</b>				15,541	4,743	20,284	7,174	6,409	33,010

**Agroforestry Development (Fruit trees, 7m x 7m spacing; with inputs of high-value crop seeds)**

Annex F-5

Area = 1 ha

Species = forest and fruit trees, fuelwood, cash crops, hedgerows, and other nitrogen fixing trees

Activities	Unit of Measure	Unit Cost	Target/ha	1 Year			Year 2	Total Cost
				Establishment (Mon. 1-9)	Maint. (Mos 10 -12)	Sub-Total	Maint. (Mos 13-20)	
<b>Procurement of planting materials</b>						-		
fruit trees	seedlings	60	225	13,500		13,500		13,500
High-value cash crops (seeds procurement)	1 lot	5000	1	5,000		5,000		5,000
<b>Land Improvement</b>						-		
Planting (of forest & fruit trees, fuelwood and other crops)	mdays	233	5.00	1,165		1,165		1,165
Establishment of SWCs	mdays	233	5.00	1,165		1,165		1,165
<b>Maintenance and protection</b>						-		
<b>Maintenance current planting/1st Cycle</b>								
ring weeding & replanting	mdays	233	5		1,165	1,165		1,165
Organic fertilizer procurement	bag	400	18	7,200		7,200	7,200	14,400
Organic pesticides	liter	1500	2	3,000		3,000	3,000	6,000
<b>Maintenance 1 year old planting/2nd Cycle</b>								
ring weeding	mdays	233	5				1,165	1,165
<b>Subtotal (Development Cost)</b>				31,030	1,165	32,195	11,365	43,560
Survey, GIS-Mapping & Progress Monitoring	hectare	1500	1	1,500		1,500		1,500
Project Mgt. and Support Services (15% of the Devt Cost)				4,655	175	4,829	1,705	6,534
<b>Subtotal (DENR Cost)</b>				6,155	175	6,329	1,705	8,034
<b>TOTAL</b>				37,185	1,340	38,524	13,070	51,594

**Enrichment Planting, approximately 5m x 5m spacing**

Area = 1 ha

Species use = indigenous tree species

Annex F-6

Activities	Unit of Measure	Unit Cost	Target/ha	1 Year			Year 2	Year 3	Total
				Establishment (Mon. 1-9)	Maint. (Mos 10 -12)	Sub-Total	Maint. (Mos 13-20)	Maint. (Mos 21-30)	
<b>Planting stock production (Plus 20%)</b>	Seedling	5	480	2,400		2400			2,400
<b>Outplanting (incl weeding of regeneration)</b>	mandays	233	33	7,689		7689			7,689
<b>Maintenance and protection</b>									-
1st Cycle (year 1)									-
ring weeding & replanting (1 pass at 120 spots/md)	mandays	233	3.33		777	777			777
Organic fertilizer (1 pass at 180 grm/seedling)	bag	400	1.44		576	576			576
Fire Prevention & patrol work	mandays	233	0.44		103	103			103
2nd cycle (Year 2)									-
ring weeding (2 passes at 150 spots/md)	mandays	233	5.33				1,243		1,243
Organic fertilizer (2 passes at 180 grm/seedling)	bag	400	2.88				1,152		1,152
Fire Prevention & patrol work	mandays	233	0.44				103		103
3rd cycle (year 3)									-
ring weeding (2 passes at 200 spots/md)	mandays	233	4.00					932	932
Organic fertilizer (2 passes at 180 grm/seedling)	bag	400	2.88					1,152	1,152
Fire Prevention & patrol work	mandays	233	0.44					103	103
<b>Subtotal (Development Cost)</b>				10,089	1,456	11,545	2,498	2,187	16,230
Tools & Fire suppression eqpt.	lot	400	1	400		400			400
<b>Subtotal (Tools &amp; eqpt.)</b>				400	-	400	-	-	400
Survey and GIS-Mapping	hectare	1500	1	1500		1,500			1,500
Project Mgt. and Support Services (15% of the Devt Cost)				1,513	218	1,732	375	328	2,435
<b>Subtotal (DENR Cost)</b>				3,013	218	3,232	375	328	3,935
<b>TOTAL</b>				13,502	1,674	15,177	2,873	2,515	20,565

UPLAND DEVELOPMENT PROGRAM PROCESS FLOW

PRE-IMPLEMENTATION PHASE

IMPLEMENTATION PHASE

