Annex 9. Modified Training Course/Program for the Echo Seminar on Water Saving Technology in NIA's Iguig- Amulung- Alcala Pump Irrigation System at Baculud, Amulung, Cagayan.

SCHEDULE S OF ACTIVITIES

Day 0

5:00-8:00	Arrival and Registration

Day 1		**Resource Speakers**
7:30-8:00	Opening Program	RIDD Staff
8:00-8:30	Water Scarcity: An Overview	Dr. Ruben Lampayan
8:30-10:00	Rice Morphology (Growth and Development)	Dr. Ruben Lampayan
10:00-10:15	COFFEE BREAK	
10:15-11:00	Weed Management	DA RFU
11:00-11:30	Integrated Crop Management	
11:30-12:00	Real Time and Management	
12:00-1:00	LUNCH BREAK	
1:00-3:00	Soil Plant Water Relationship	Lucio/Ruben
3:00-3:15	COFFEE BREAK	
3:15-5:00	Field Practices	Lucio/Ruben
5:00-7:00	Principles of Sound Field Water Management	Ruben

Day 2

8:00-10:00	Principles of Alternate Wetting and Drying- A Water Drying Technique	Ruben
10:00-10:15	COFFEE BREAK	
10:15-12:00	Aerobic Rice: New Water Saving Technology	Ruben/Lucio
12:00-1:00	LUNCH BREAK	
1:00-2:00	Techno Transfer and Implementation TTWS Model	Ruben
2:00-4:00	Planning	Fermin F. Flores
4:00-5:00	Closing Program	

Prepared by:

FERMIN F. FLORES

Officer in-Charge of IAAPIS

Note: Engr. Fermin Flores is the OIC-Irrigation superintendent. He was alos participants in the training course held at IRRI

E. DATE TIME AND VENUE

The training will be conducted at NIA Regional Training Center in Maddaruing, Solona, Cagayan on November 11-13, 2004.

F. BUDGETARY REQUIREMENTS

1. **Immediate Cash Requirements**

Supplies and materials (300/pax) (25+ 10 Tmg Staff)	10,500.00
Meals and snacks (210/pax/day)(2 days)	14,700.00
Lodging Fee (35) (50/pax/day) (2 days)	3,500.00
Honorarium of resource persons (800/day)(5 expected RF)	4,000.00
Sub-Total	P 32,700.00

2. **Other expected expenses: Expected to be provided by sponsoring agency.**

   Posters and billboards

   Filers

   Pilot demo kits

   Training kits (reading materials, LCC and etc.)

Prepared and Submitted by:

FERMIN F. FLORES
Official in- Charge of IAAPIS

Proposal in the Conduct Echo Seminar-Workshop
Integrated Water Management in Rice Production and
Establishments of Technology Demonstration Farm in
Iguig-Amulung-Alcala Irrigation System (IAAPIS)
November 11-13, 2004

A. RATIONALE

Iguig-Amulung-Alcala Pump Irrigation System (IAAPIS) is one of the Pump systems being operated by the NIA in Region II. The system is situated about fifty (50) kms, from Tuguegarao Internatinal Airport, Tuguegarao City. These are two pumping sites servicing an aggregate area of two thousand three hundred six (2,305) hectares however during its previous operation the maximum area irrigated is only 1,700 has.

	Service Area	**Highest Irrig. Area**
Pump No. 1		
IGAM IA	656 has.	429 has.
Pump No. 2		
AMALIA	489 has.	421 has.
HIGHLINE IA	1,161 has.	850 has.
Total	2,306 has.	1,700 has

The system was turned over the Irrigation Association (IA) in about ten years ago under the Stage III contract, full turn-over except the operation of the pumping units. Meaning the IAs is responsible in the water distribution, maintenance and collection of fees with the assistance of the NIA while the NIA is responsible for the operation and maintenance of the pumping units.

The system undergoes major repair under the Irrigation Operation Support Project (IOSP) three (3) years ago where most of the works were concentrated in the lining og major canals. At present the system is on-going repair concentrated in the replacements of the pump units. This prompted the management and the IAs not to operate. The system has no operation for the past two cropping season land is ready to operate come this cropping season starting December.

Relative to water management, our initial findings are:

1. Farmers are irrigating their farms in the traditional way like continuous flooding impounding large amount of water for fear of being depleted.
2. Insufficient conveyance channels to irrigate their lots.
3. Dilapidated essential structures to permit control of inflows into their ditches
4. No defined copping calendar, the log time between the first and last farmer to plant is prolonged permitting great while maintaining the farm in a flooded situation.

5. Survival of the fittest especially during dry season.
6. Non adherence to formulated and agreed policies.
7. Weak organization.

These contributed much in putting the system in its minimal utilization limiting areas served especially during dry season hence this proposal.

B. OBJECTIVE

Generally this aims to echo the new technology to the selected O&M staff and IA leaders of the system and nearby pump system and eventually establish three techno-demo farm within the municipalities covered by the pumping system.

Specially, this will enable the participants to:

To know the agronomical characteristics of rice plant

1. To know the different water management practices
2. To know the different principles in water management
3. To know the different water savings options and constraints
4. To know how to participates as cooperator in water saving technology
5. To know other alternatives in increasing income through diversified cropping
6. To come up with an organizational approach to mitigate their present institutional problems specially water management issues

C. TARGET PARTICIPANTS

1. Municipal Agricultural Officers	4
2. Water Masters	4
3. Institutional Development Officers	3
4. Irrigation Superintendents	2
5. Select IA Officers	
Iguig-Amulung IA (IGAM)	2
Amulung –Alcala IA (AMALIA	2
Highline IA	2
Lalio East IA	1
6. Regional IDD Staff	3
7. Regional O & M staff	2
Total participants	25

Republika ng Pilipinas
National Irrigation Administration
Iguig-Amulung-Alcala Pump Irrigation System
Baculud, Amulung, Cagayan

October 12, 2004

TO: THE DIRECTOR GENERAL
IRRI, LOS BAÑOS, LAGUNA

Attention:
DR. BAS BOUMAN
Course Coordinator
Water Scientists and Project Team Leader
Technology Transfer and training Project (ADB)
Crop, Soils, and Water Sciences Division

FROM: THE OFFICER IN-CHARGE
Iguig-Amulung-Alcala Pump Irrigation System
Baculud, Amulung, Cagayan

Sir,

GREETINGS!

Forwarding our proposal to conduct Echo Seminar Workshop on integrated Water Management in Rice Production Technology Transfer for Water Savings that will eventually pave the way for us to establish a technology Demonstration Farm in the different site of the system. I strongly believed that this is the only way to help us increase our serviceable area and decrease our operating expenses. This will augment our effort being administered now to within the far north of the Region on spreading the appropriate water saving technology in irrigated rice production. At this juncture, I am soliciting assistance from your good office especially technical and provision of fliers and posters.

Thank you very much and more power.

FERMIN F. FLORES

Attachment 1. Courseware Materials

The courseware materials consist of a compilation of the hard copies of the various background papers covering three main parts, namely;

- Principles of Rice Production Systems
- Water Management Practices (with emphasis on water-saving techniques)
- Technology Transfer and Implementation

This attachment is submitted in separate compilation.

Attachment 2. Extension Materials

A sample of the extension materials that were developed and distributed to the participants for their use in disseminating the water-saving technologies are:

1. 5 Ways to use water wisely. This consists of posters and flyers in both English and Tagalog.
2. Controlled Irrigation

In addition, a flyer on "Aerobic Rice" – a new water-saving technology in development was also given to the participants for their information and personal use. It should not be used however for dissemination purposes.

Participants in Integrated Water Management Training in Tuguegarao
November 11, 2004

1. Rogelio N. Barwelo
2. Damian F. Belingon
3. Terenciana A. Cureg
4. Antonio S. Fernandez
5. Wilhermina I. Ulep
6. Rogelio C. Cabalsi
7. Angelito C. Ramos
8. Marlon Obrero
9. Virginia Villanueva
10. Telmo G. Ramos
11. Alexander M. Santiago
12. Leoperlito M. Cariaga
13. Benjamin Macapulay
14. Erwin L. Malamug
15. Ricardo M. Agustin
16. Modesto Pattung
17. Ernesto C. Domingo
18. Emmanuel C. Peredal
19. Ferdinand Palay
20. Jose A. Bramaje
21. Monico Castro Jr.
22. Winston S. Zulueta
23. Romulo V. Cardenas
24. Julieta M. Laxamana
25. Froilan C. Ramirez
26. Rodolfo P. Bulaqui
27. Vito Hermano
28. Edwin Luyun
29. Edmun Taguinun
30. Ronald Soriano
31. Ariston Salimpade
32. Isidro S. Cabana
33. Lion B. Butalcor
34. Lou Caramihan
35. Romeo Cabangon
36. Marilyn Ramos
37. Judith Unida
38. Catherine Vidoria

Water Saving Training
November 11, 2004

No.	NAME	POSITION	OFFICE	Signature
1	ROGELIO N. BARUELO	SEA	O&M Region	
2	DAMIAN F. BELINGON	SEA	-do-	
3	TERENCIANA A. CURIG	IDO	IAAPIS	
4	ANTONIO S. FERNANDO	WRFT	IAAPIS	
5	WILHELMINA I. ULET	IDO-A	ISABELA - PIO	
6	ROGELIO C. CABALSI	IA Pres.	IAAPIS	
7	ANGELITO C. RAMOS	[illegible]	-do-	
8	MARLON OBRERO		-do-	
9	[illegible] Valera	P. OD	do	
10	[illegible] G. Ramos	Agricult Tech.	DA - LGU, [illegible]	
11	ALEXANDER M. SANTIAGO		IAAPIS	
12	[illegible] M. CARDOSO		IAAPIS	
13	Benjamin Macapulay S.	IA [illegible]	IAAPIS	
14	Edwin A. [illegible]	IA [illegible]	IAAPIS	
15	RICARDO M. AGUSTIN	MPS TMS	MAPIS	
16	MODESTO PATTAAS, C.	ROD	IAAPIS	
17	ERNESTO G. DOMINGO	SR. ENGR. A	CB PIO	
18	Emmanuel A. [illegible]	IDO A	NIA - ISA. PIO	
19	FERDINAND [illegible]	IDO - A	NIA - Isa. PIO	
20	Jose A. Bramaje			
21	MONICO CASTRO JR.	[illegible]	DA - Region 02	
22	WINSTON S. ZUNIGA	T.M.S.	EMD	
23	ROMEO V. CARRERAS	WRFT	IAAPIS	
24	JULIETA M. LAXAMANA	Economist	MMD NIA	
25	FROILAN C. RAMIREZ	NFA	-do-	
26	RODOLFO P. BALAONI	AT	LGU - Angadanan	
27	Vito [illegible]	Tanap Ass. Sec.	Tanap Ass. Coop.	
28	Edwin Lingun	Tanap Sil.	Tanap Sil.	
29	EDMUN [illegible]	TREASURER	DIA	
30	RONALD [illegible]	BOD	DIA	
31	ARISTON SALIMPADE	CASHIER	NIA - IAAPIS	
32	ISIDRO S. CABANA	IM-A	LGU - Alicia	
33	[illegible] BATACLAN	H. A.	-do-	
34	Lou Carambas	Research Tech.	IRRI	
35	Romeo V. Cabangon	Ass. Scientist	IRRI	
36	Marilyn Pamat	Senior Acct	NIA - IAAPIS	
37	Quirita Unido	Clerk / Data Encoder		
38	Catherine Vidania	Data Encoder		
39				
40				
41				
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