

PrOpCom

Making Nigerian Agricultural Markets Work for the Poor

Monograph Series # 27

Installation of Three (3) Kubota Rice Mills And Training of Officials in Abeokuta, Ogun State.

By

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FINAL REPORT

Installation of Three (3) Kubota Rice Mills And Training of Officials in Abeokuta, Ogun State.



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1.1 Executive Summary

PrOpCom indicated an interest to assist the Ogun State chapter of Rice Farmers Association of Nigeria (RIFAN) to establish modest structures (shelters) to house three (3) Kubota Japanese small scale rice mills as well as install and train the Rice Farmers Association of Nigeria (RIFAN) officials on the use of the mills that the association has purchased from the state government. The purpose of this assistance was to demonstrate how improved milling technology could improve Ofada rice quality and its competitiveness.

Development Associates (DA), was asked by PrOpCom to undertake the responsibility of to install the mills in designated locations in Ogun state, test-run and also see that selected officials of RIFAN are trained on to operate and maintain the Kubota rice mills. The three sites in which the mill shelters were sited are

- Kobape Obafemi Owode Local Government Area
- Obada-oko, Ewekoro Local Government Area
- Iboro, Yewa North Local Government Area

Installation and test running of the mills was carried out in two phases; the first phase involved the installation of the Kobape mill from 5th September to 8th September 2007 while the second phase was from 15th October to 26th October 2007. Within this period three progress reports on the state of the project were made to PrOpCom. The reports are contained in Appendix 6. This document contains a report of DA's activities in the execution of the task of installing the three mills according to the terms of Contract No: Ofada 19 between PrOpCom and DA.

Scope of Work & Approach

The project comprised of two separate activities namely

- Installations and test running of three (3) Japanese Kubota Rice Mills and
- Training of representatives the Rice Farmers Association of Nigeria RIFAN on the operations and maintenance of the mills to produce quality Ofada rice products.

Mill Installation

Phase 1:

A trip was made from 6th September to 8th September 2007. This was to complete installation of a mill at Kobape Owode Obafemi Local Government of Ogun state. During the 3-day trip, the installation of Kobape mill was completed in readiness for commissioning by the executive governor of Ogun state as part of activities marking his 100 days in office. During this trip, the DA team met with the program manager OGADEP, president RIFAN, the architects and contractors for the mill shelter and other senior officials of RIFAN. Within this period DA team also visited the other two sites designated for the installations of the other two mills i.e. Obada-oko and Iboro where the mills structure was still under construction. Generally, the objectives of the first field trip are as follows.

- Supervise the installation of the Kubota Rice Mill at the Kobape
- Meet the program manager and engineers of OGADEP to discuss and agree on the installation days and procedures.
- Meet and discuss with the president Rice Farmers Association of Nigeria, RIFAN to discuss

on the purpose of the installations

- Discuss and agree time to carry out training for nominated officials of RIFAN and staff of OGADEP.
- Ensure that installation of rice mill is completed duly to enable the project be commissioned by the governor. Test-run the mill for at least two days.
- Visit the other two sites at Obada-oko and Ibooro proposed for installation of the other 2 mills.
- Gain first hand information on exact location, readiness of the other two structures for the mills
- Have physical assessment of the other rice mills and their respective sites.

Phase 2

The second trip earlier slated to commence on the 8th of October was rescheduled to the 15th of October 2007 because of the Muslim holiday (11th and 12th October 2007) that fell within the week. Beside the PHTD engineers were not available to go to the field during this week because of the World food day celebration. As a result of this development a new work plan was proposed and approved by PrOpCom. The new time table notwithstanding, the overall final deadline for the entire project execution was kept in sight. Communication and update of work plan went on between Development Associates and PrOpCom's representatives through mail and phone. The two week trip was made to achieve the following objectives.

- Complete installations of the second and third mills at Obada-oko and Iboro respectively and
- Train the nominated officials of RIFAN to operate these three installed mills for better rice quality product.

The installations of the second and third mills were done by the food processing department, OGADEP. This was so because installation schedule fell within the world food week, making officials from the Post Harvest Technology Department PHTD unavailable. Training however, was carried out by senior training engineers from PHTD of the federal ministry of agriculture Abuja. The mills were test run for two days using dried parboiled rice paddy. The quality of rice achieved was commendable by the RIFAN farmers and officials of OGADEP.

Information on the various locations of the mill installation sites, the shelter construction state and contacts required for the commencement of the project were gathered prior to travel. Discussions were held with the Programme manager OGADEP and the president RIFAN on the purpose of the installation and activities set in place for the training.

General Information on Rice Mill Installations during phases 1 & 2

- The rice mill installations were carried out by the agricultural food processing department, Ogun state agricultural development programme OGADEP. The officers are S.A Balogun and Tunde Obembe. They conducted the installations of the three mills at Kobape Owode Obafemi, Obada-oko and Ibooro local govt. of Ogun state.
- The installation and test running of the mills were carried out in two phases. Installation and test run of mill at Kobape was carried from the 3rd September 2007. A period of four days was used to assemble and test run the mill. The mill was later commissioned by the governor on the 10th of September 2007. Operation of the mill has been on since then.
- The installations of the other two mills had to wait for the mill shelter at the various sites to be completed. The second and third mill at Obada-oko and Iboro respectively were installed between 15th October and 22nd October 2007.
- The original time set for installation was 8th of October 2007 but were overtaken with events of

the Muslim holiday. The entire work plan was therefore shifted forward by a whole week. This development was brought to the notice of PrOpCom's representative and an understanding was reached. The installation of mill at Obada-oko was completed on the 19th of October 2007 and that of Iboro on the 22nd of October 2007. Test run of the two mills were completed after the training workshop which ended 25th October 2007. Rice paddy was bought and used in test running these mills.

- In the course of installations, the mills had to be released from the ministry of agriculture Ashero, where there are still seven uninstalled rice mills presently lying fallow. The mills were loaded, transported and offloaded at their respective designations in their shelter house. Delivery of all the mills was certified excellent as there was no report of damage or physical accidents to the machine.

General Constraints During Installation of the Rice Mills

- Installation of the mills were carried out after mill shelter was completed
- The mills have stayed on ground for long that the nuts and bolts have begun to rust making it difficult to unscrew for assemble.
- The conditions of the mill in the storage were unfavorable as rodents have begun to eat up one of the machine belts connecting the Kubota engine to the machine mill.
- As a result of the long idleness of the mills, the engine parts requiring oil and grease were dried up, leading to a complete overhauling of the engine and the mill
- The engine was difficult to start. The valves and tubes had to be bled as blockages of dirt and debris were discovered.
- A pulley belt which can be replaceable was found to be slack and was fixed.
- Chaff and smoke outlets had to be modified on the building by boring two holes through the wall to pass the exhaust pipes
- Parboiled rice was not available for the test running. However, the test running was successful using un-parboiled rice.

Constraints at Kobape

- Short notice and tight time schedule of mill installation so as to be commissioned by the executive governor of Ogun state.
- Rainfall slowed down the progress of the building construction but work however was completed as scheduled. Installation of the rice mill took place simultaneously with the finishing of the building.
- The shaft connecting the engine to the mill was cast iron which is fragile and brittle for the tension produced during the rotational motion of the engine. This was re-fabricated using a tougher material made of wrought iron. Details contained in the third progress report in Appendix 6
- Discovered slacked belt and tightened them with tension pulleys

Constraint at Obada-Oko

- Mill parts are beginning to get stiff but this will normalize after the machine has been operated.
- Dried parboiled paddy had to be bought from RIFAN to carry out test run
- Some nuts and screws in the mill were found to be rusted and these demanded replacement.
- Main shaft is of cast iron and had to be re-fabricated with wrought iron
- Gear oil was used to fill the mill as the tank was totally dried up.
- Diesel and engine oil were also used in the engine so as to enable it start

Constraints at Ibooro

- Shaft was also made of cast iron and had to be re-fabricated and replaced
- Poor road accessibility into the rice mill house to offload mill parts

- Mill parts are beginning to get stiff but this will normalize after machine runs a little more
- Dried parboiled paddy had to be bought from RIFAN to carry out test run
- The metal basement had its foundation screws were corroded and had to be replaced
- Some nuts and screws in the mill were found to be rusted replaced
- Gear oil was used to fill the mill as the tank was totally dried up.
- Diesel and engine oil were also used in the engine so as to enable it start

Training of RIFAN Officials and OGADEP Staff

The 3 day training workshop took place from the 23rd to 25th October 2007 at the Ogun State Agricultural Development Program OGADEP training room and rice mill workshop. This was so to centralize a training venue within the three local government areas where the mills are located.

There were 28 participants made up of 25 RIFAN farmers and 3 OGADEP staff, the names and addresses of participants are contained in Appendix 2. The objectives of the training was to increase the capacity of participants on improved parboiling, drying, milling and packaging skills for stone free rice in Ogun state. In addition they were also taught in the skills of operating and routinely maintaining the rice mills. The training facilitators are senior staff of the PHDT, federal ministry of agriculture Abuja namely Engineers Akintoye Akintola and Engineer Isah Mohammed. The sessions were presented in a combined blend of English and Yoruba language. The course materials used for the course is contained in *Appendix 7*

Training Content

Day 1 was used to introduce participants to the basics of paddy handling. These included harvesting, parboiling, drying and milling by Engineer Akintola. Participants were exposed to the step-by-step process for parboiling, cleaning/ de-stoning, polishing and packaging of Ofada rice. Participants learnt how to operate the rice mill. Each participant was given an opportunity to check and start the machine after being instructed and guided. In general the training was interactive and communicative between participants and instructors.

Day 2 was spent on the practical aspects of the training. Engineer Isah Mohammed took the practical session of the workshop. He encouraged the participants to always ensure that all scales are set to neutral before attempting to start the machine. This he said will allow free rotational movement of the shafts and pulley thereby preserving the mill and its engine.

Day 3, milling operation continued as participants were divided into four groups to ensure that everyone takes part in practical milling operation.

At the closing ceremony, the program manager OGADEP, Mr. Kayode Oduekun was represented by Mr. Osiyoye who presented the program manager's speech See *Appendix 5*. The class leader, Mr. Tade Ajineye, commended PrOpCom for its support to the farmers and Ogun state as a whole. He promised on behalf of the class that they will put the knowledge into practice. RIFAN president in his remarks looked forward to a day where the impact of the training will be felt in Africa through the export of Ofada rice. In his vote of thanks, the training coordinator, on behalf of PrOpCom expressed his gratitude to all stakeholders present. Certificates were presented to the participants on behalf of PrOpCom.

Constraints at the training workshop

- Unbudgeted expenses were made on participants' meals during the training
- DA had to pay for the servicing of the Kubota rice mill at OGADEP for the training.

- Participants demanded for DSA for the training
- In the course of training preparation, eight bags of dried parboiled rice were purchased for practical training. PrOpCom's representative advised that we provide the parboiled rice and invoice PrOpCom since it was not initially budgeted for.
- Number of participants increased by four as RIFAN provided 25 participants and OGADEP four participants. This increased the total expenses on the training.
- Training venue lacked audio visual although an alternative arrangement was made.

Participants' evaluation

	%
Is the course worthwhile or beneficial for you?	100
Do you think it is necessary to organize the course another time for other farmers / processors?	100
Have you learnt some new thing in the course?	100
Did you understand the language of course delivery very well?	100
Would you like to come to attend this course again some other time?	100
Is the course content adequate?	100
Do you prefer this course to be delivered in Yoruba language?	100

Course Module Assessment

	Excellent %	Very Good	Good Fair Poor
Quality Control Operation and Standards in Rice Processing	57	21	-
Parboiling Process Hardware	46	54	-
Drying of parboiled Rice	43	46	7
Introduction to integrated Kubota Rice Mill	64	32	3
Rice Milling Practical	54	29	10
Quality of Discussion Sessions	75	21	
Quality/ Quality of meals served	29	32	36
General Quality of Instruction by course instructor	86	14	-

- 100% of the participants agreed the course was worthwhile and beneficial to them
- They all saw it necessary for PrOpCom to offer the course to other farmers/ processors
- Delivery of meal was delayed on day one because it was unplanned however on days two & three proper arrangements were made.
- 86% rated the course instructions as excellent

Participants Recommendations

- There should be a follow-up workshop to evaluate the performance of participants and check operation and maintenance culture
- More training courses should be made available to improve farmer's knowledge
- More attention be placed on women to improve their skill in rice parboiling
- Provisions should be made for availability of the rapid steam par-boiler in subsequent trainings
- Training should be publicized to other private investors
- The course content can be delivered in local languages for other farmers who do not understand English language.
- Materials such as collapsible table, and par-boiling hardware should be brought to the training centre for practical experiences

Appendices

- Appendix 1** Course evaluation form
- Appendix 2** List of participants
- Appendix 3** Participants' certificate
- Appendix 4** ADP Program Managers speech
- Appendix 5** Progress reports
- Appendix 6** Training manual

1. Course Evaluation form

COURSE ASSESSMENT FORM

As you have passed through the Training Workshop on Improved Parboiling, Drying, Milling and Packaging of stone-free rice, kindly fill in your impression and suggestion on the course by circling as follows;

A General

- 1 Is the course worthwhile or beneficial for you? ----- Yes No
- 2 Do you think it is necessary to organize the course another time?
for other farmers / processors? ----- Yes No
- 3 Have you learnt some new thing in the course? ----- Yes No
- 4 Did you understand the language of course delivery very well? ----- Yes No
- 5 Would you like to come to attend this course again some other time? ----- Yes No
- 6 Is the course content adequate? ----- Yes No
- 7 Do you prefer this course to be delivered in Yoruba language? ----- Yes No

B Course Module Assessment

- 1 Quality Control Operation and Standards in Rice Processing-----A B C D E
- 2 Parboiling Process Hardware-----A B C D E
- 3 Drying of parboiled Rice-----A B C D E
- 4 Introduction to integrated Kubota Rice Mill-----A B C D E
- 5 Rice Milling Practical -----A B C D E
- 6 Quality of Discussion Sessions----- A B C D E
- 7 Quality/ Quality of meals served----- A B C D E
- 8 General Quality of Instruction by course instructor-----A B C D E

C Suggestions

The following are my suggestions for improving the course:

Code: A- Excellent, B-Very Good, C-Good, D- Fair, E-Poor

Signature_____

Name_____

2. List of Participants

S/N	NAME	ADDRESS	AGE	POSITION	PHONE NO.
1.	Pastor Bode Adenekan	Obafemi Owode Local Govt.	71	Chairman	08033382777 08055284349
2.	Tade Ajeneye	RIFAN, Abia	62	Secretary	08025308894
3.	Adams Elegbede	RIFAN Iboro	69	Treasurer	08060173041
4.	Imam Sufyan A. Odenike	RIFAN Obafemi Owode	68	Welfare Officer	08066532997
5.	Popoola Tajudeen	Obafemi Owode	22	Rice Farmer	08061237226
6.	Sunday Oladipo	Obafemi Owode	55	Rice Farmer	0803681662
7.	Mr. G. F. Olonade	Obafemi Owode L.G.	57	RIFAN FIN/SCE	08037194135
8.	Alhaji M.A. Lawal	Ifo L.G.	54	Rice Farmer	08028414395
9.	Chief (Mrs.) Lola Adeoye	Ifo L.G.	51	RIFAN Deputy Chairman	08037269355 0802717857
10.	Isaiah S. Jacob	Ipokin L.G	42	Member	08075525075
11.	Jimoh Abiola	Ipokin L.G.	62	Member	
12.	Basidi Ogundare	Isako	40	Ex-official	07034782129
13.	Jimoh Lukumon	Iboro Yewa North	39	Ex- Official	08066078377
14.	Mrs. Elegbede Wasilat A.	Iboro Yewa North	47	Ex- Official	08030857593
15.	Akinlade Sakiru	Isako Orile Yewa North	35	Member	08066078377
16.	Mr. Sikiru Popoola Alaga	Obafemi Owode	60	Chairman	08077991343
17.	Chief Adekunle Soyoye	Obafemi Owode	60	Akapo	08058128246

18.	Isiaka Kuye	Obada Oko Ewekoro	55	RIFAN	
19.	Babatunde Olukunle	Abeokuta Awitu	41	Admin/ Officer	080304600295
20.	Evang. Bankole Ola Akiode	Ifo	65	Secretary	08082829217
21.	Olalekan Jimoh	Abeokuta	49	Member	08050644792
22.	James Olu Okewale	Obada Oko E.K.L.G	68	P.R.O	07030138691
23.	Alabi Ewedimu	Obada Oko E.K.L.G	56	Member	07038877682
24.	Olusegun Fadairo	Obada Oko E.K.L.G	67	Ex-Officio	039205239
25.	Sunday Emmanuel	Obada Oko E.K.L.G	35	Member	08083724334
26.	Kehinde Afolabi	OGADEP	32	Mill Operator OGADEP	08058856582
27.	Tonyin Sofoluwe	OGADEP	28	Food processing OGADEP	07038698711
28.	Abdulahi Balogun	OGADEP	31	Mill Operator OGADEP	08060025345

3. Participant's Certificate

4. Chairman's Speech

ADDRESS BY THE PROGRAMME MANAGER, OGADEP MR. F.K. ODUEKUN AT THE CLOSING CEREMONY OF THE PROPCOM- DEVELOPMENT ASSOCIATES SPONSORED TRAINING WORKSHOP ON IMPROVED PARBOILING, DRYING, MILLING AND PACKAGING OF STONE FREE- RICE FOR OGUN STATE RICE PROCESSING ENTERPRISES AND MILLERS HELD AT OGADEP ABEOKUTA FROM 23RD – 25TH OCTOBER.

It is my pleasure to be with you and to address you at the closing ceremony of the workshop on improved parboiling, drying, milling and packaging of stone- free rice for Ogun state rice processing entrepreneurs and millers. This is another good step by the Government and its development partners (PrOpCom) in its determined efforts to upgrade the quality of rice in Ogun state.

Ladies and gentlemen, the development of rice as a major staple in Nigeria cannot be overemphasized. Consumption both at household and industrial level has been on the increase due mainly to rapid urbanization and consequent shift in consumption pattern of the populace.

It is in the light of these that the Federal Government embarked on the implementation of rice initiative programme aimed at increasing rice production in Nigeria. The Ogun-state Governor under the able and astute leadership of Otunba Olugbenga Daniel has followed the Federal rice initiative programme to ensure that rice farmers and processors in the state are mobilized and empowered to produce high quality rice. This programme have continued to improve production and processing infrastructure, increase local supply of rice, reduce dependence on import, improve the income and living standards of rice farmers and above all, improve food security in the state.

The implementation of the National Rice Initiative programme since 2004 has resulted in reasonable achievements which include amongst others;

- An increase in area planted of rice from 2.2 million hectare in 1999 to 2.8 million hectares in 2006.
- Increase in annual production from 3.3million metric tones in 1999 to 4.2 million metric tones in 2006.
- Rise in productivity due mainly to increased investment in capacity building and supply of inputs.
- Expansion of improved high yielding seed supply to farmers.
- Farmers and processors training and sensitization in areas of production and processing of quality rice.
- Training of engineers and technicians in relevant areas.
- Involvement of private sector in both production and processing of rice.

I note the choice of OGADEP of this workshop as a right step since OGADEP is a front runner in the efforts for rice development and improvement in the state. I acknowledge the heavy presence of RIFAN farmers and processors led by its Ogun state branch chairman, Pastor Adenekan. The caliber of the resource persons by Engr. A. Akintola and the comments from the course participants have assured me that appropriate knowledge and skills have been delivered to the participants.

Ladies and gentlemen, before I close, I would like to commend the efforts of PROPCOM in the rice production and market development in the state. I urge all participants to make the best use of the knowledge and skills offered you at this workshop.

Finally, I encourage our resource persons and visitors to use the rest of today to explore and experience the tourism potentials and hospitality of the Egba people and I wish you all journey mercies back to your destinations.

Thank you and God bless you.

F.K. ODUEKUN
Programme Manager, OGADEP
25th October, 2007

5. Progress Reports

5a.

Report on supervisory visit for the installation of Rice Mill in Kobape, Obafemi Owode local government area in Ogun state.

**By
Kayode Olode
(Development Associates)**

Introduction:

PrOpCom assigned Development Associates to coordinate and supervise the installation of the 3 rice mill at different locations in Ogun state. The rice mill in Kobape village in Owode Obafemmi was a major priority. Installation of the mill at Kobape was carried out by Programme Manager and engineers of the Ogun State Agricultural Development Project (OGADEP).

In this view, Development Associates (DA) supervisor traveled to Ogun state, the location for mill installations. Below are the findings of the field visit.

Purpose of visit:

The purpose of Development Associates supervisor's visit to Ogun state was to carry out the following activities:

- Supervise the installation of the Kubota Rice Mill at the site
- Meet with the Programme manager and engineers of OGADEP to discuss and agree on the installation days and procedures.
- Meet and discuss with the president Rice Farmers Association of Nigeria, RIFAN to discuss on the purpose of the installations
- Discuss and agree time to carry out training for nominated officials of RIFAN and other millers.
- Ensure that installation of rice mill is completed duly to enable the project to be commissioned by the governor expected to be on Friday, September 7th, 2007. Test-run the mill for at least two days.
- Visit the other two sites proposed for the installation of the other 2 mills to have first hand information on exact location, readiness of the other two structures for the mills
- Have physical acquaintance to the other rice mills to be installed on the sites.

Daily Activities:

5th September 2007 (Wednesday)

At my arrival to Abeokuta, I met with the Programme Manager OGADEP, Mr. Kayode Odukun at the FADAMA. We proceeded to the mill site at Kobape village, Owode Obafemi LGA (about 25KM from Abeokuta) where I formally met with Pastor Adinekan , president, RIFAN, the Architects, Soji Onayemi, Biodun Awolesi and Lanre Ojiola along with other farmers and laborers. Installation had been going on simultaneously with building construction. The mill house has been painted; flooring for the mill room. Installation of mill had commenced.

The president RIFAN is really happy with the support PrOpCom has given to them and this has brought the rice farmers together. He looks forward to full commercialization of the mills after commissioning by the governor.

Meanwhile, foundation for the other two sites has commenced and is expected that the sites will be completed in 5 weeks or less. As at 5th of September, 2007, the commissioning of the mill at Kobape, which as originally slated for Friday was postponed.

6th September 2007 (Thursday)

Calibration of the machine was done while other construction work was going on. The leveling of the site was carried out same day. Test running of the machine was done using un-parboiled rice. This was due to the fact that parboiled rice could only be made available by the farmers four days later. The result of the milling was satisfactory. It was generally agreed that with parboiled paddy, the result will be much better.

7th September 2007 (Friday)

A visit was made to the site at Iboro, Yewa north local government area, about 80km from Ogun state capital. The site is located along the express way a few kilometers on entering Iboro village. The site was been marked out for foundation. An agreement was reached by architects and the contractor that the completion date for the mill house will be in 4 weeks time subject to adequate funds being made available.

8th September 2007 (Saturday)

Visited the last proposed site at Ewekoro Obadeoko, about 60km from the state capital of Ogun state. The site is located in the market area of Ewekoro just at the entrance of the market square. Construction has gone above foundation level and work is seen to be achieved progressively. It is also expected that the mill house will be completed in 4 weeks or less once fund is made available. I returned back to the mill at Kobape village. There were event planners at the site making site preparation for the governors commissioning holding on Monday, 10th September, 2007.

Constraints:

- The engine was difficult to start. The valves and tubes had to be bled as blockages were discovered. This is due to the long time abandonment of the machines without running it.
- A pulley belt which can be replaceable was found to be slack and was fixed.
- Chaff and smoke outlets had to be modified on the building by boring two holes through the wall to pass the exhaust pipes
- Rainfall slowed down the progress of the building construction but there were assurances that the work would be completed as scheduled. Installation of the rice mill was taking place simultaneously with the finishing of the building was been carried out.
- Parboiled rice was not available for the test running. However, the test running was successful using un-parboiled rice.

5b. 15th October 2007

Progress Report On Installation of the 2 Other Mills at Obada Oko and Iboro Sites In Ogun State: By Development Associates (DA)

The following are the highlights of the state of the installation of the rice mills at Obada-Oko and Iboro:

- The architects and PrOpCom have confirmed that the rice mill houses for Obada-oko and Iboro has been completed and ready for installation.
- Development Associates have also concluded arrangements with the PHDT, federal ministry of agriculture for the training of participants to run and maintain the rice mills.
- As a result of events overlapping and the Muslim holidays of 11-12 October 2007, the second installation that was scheduled to commence on the 9th of October 2007, was postponed.
- Installation of the rice mills at Obada-Oko and Iboro have been rescheduled to start this week. The RIFAN president, Program manager OGADEP, training engineers and PrOpCom have all been informed and have agreed to adjust their schedule to meet the new time table. This new time table has been discussed and agreed with Mr. Roland Oroh.
- The new workplan has been set up to meet up with the deadline for the entire project execution as contained in the service contract between PrOpCom and DA..
- DA installation engineers are set to travel to the field today and activities begin tomorrow.
- The detailed work plan for the completion of the project is present below

Days	Date	Activity
Fri	Oct 5	Conclude pre-travel arrangements Contact RIFAN to finalize collection of machines from ministry
Mon	Oct 15	Travel (Abuja – Abeokuta)
Tue	Oct 16	Installation: site 1 and 2
Wed	Oct 17	Installation: site 1 and 2
Thurs	Oct 18	Installation: site 1 and 2
Fri	Oct 19	Test running
Sat	Oct 20	Test running
Sun	Oct 21	Rest
Mon	Oct 22	Perfect logistics for training
Tue	Oct 23	Training
Wed	Oct 24	Training
Thurs	Oct 25	Training
Fri	Oct 26	PHTD leaves Debrief RIFAN, ADP, Ministry of agric
Sat	Oct 27	DA engineer travels back to Abuja
sun	Oct 28	Rest
Mon	Oct 29	DA engineer back in office

5c. 22nd October 2007

Progress Report on Test Run of Mills at Obada-Oko and Iboro (Site 2 and Site 3) Local Government of Ogun State.

16th October 2007 Tuesday

- Met with the engineers Mr. Balogun and Mr. Obebe in OGADEP
- Arranged logistics for release of rice mills at the ministry of agriculture Ashero.
- Met with the RIFAN president to prepare training logistics, facilitation requirements and participants invitation
- Briefed training engineers on training preparation.
- Visited the installed rice mill at Kobape to find out situation of things
 - The mill shaft made of wrought iron was broken which halted functioning of the mill
 - Two belts controlling the mill chamber was slacked.

17th October 2007 Wednesday

- Worked at the rice mill at Kobape all day
 - Replaced the broken shaft with the fabricated cast iron shaft
 - Repaired the conveyor belt that usually ceases during operation
 - Ensured all belts and pulley were rightly positioned
 - Tested run the mill for a few hours and it ran properly

18th October 2007 Thursday

- Visited the store at the ministry of agriculture Ashero, where the other nine mills are warehoused
- Met with the contractors of site 1 and site 2 respectively.
- Transported two other rice mills to the various sites
 - Contacted the architects and building contractors of the two sites on mill delivery and installation
 - Delivered mill at Obada-Oko (site 2)
 - Delivered mill at Iboro (site 3)
 - Set machine parts in place for assembly in both sites
 - Employed labor to mark out points for foundation slab.

19th October 2007 Friday

- Finished installation at Obada-Oko (site 2)
- Serviced and overhauled engine to run mill
- Proceeded to Iboro (site3) and serviced/ overhauled the engine to run mill
- Rounded up the day by ensuring that the engine started

20th October 2007 Saturday

- Continued with the installation of mill at Iboro
- Discussed with the RIFAN president, Pastor Adenekan on the provision of dried parboiled rice for use in training
- Discussed with PrOpCom's representative, Mr. Roland on the provision of dried parboiled rice for use in training.
- Discussed with training engineers in Abuja on the pre-training arrangements and requirements.

General Situation On The Installation And Training Activities

- The mills have stayed on ground for long that the nuts and bolts have begun to rust making it difficult to unscrew for assemble.
- Poor road accessibility into the rice mill house at Iboro. Contractor is beginning to work on it.

- The main shaft connecting the diesel engine to the machine is made out of wrought iron and therefore cannot withstand great rotational tension for long. In most cases, it is advisable to re-fabricate using cast iron. This has been done for the three mills. These are additional costs for which a separate invoice will be raised.
- The bolts and nuts holding the machines were completely changed.
- In the course of training preparation, at least eight bags of dried parboiled rice will be needed. PrOpCom's representative Roland have demanded that we make provision for the parboiled rice and invoice PrOpCom later since it was not initially budgeted for.
- The two mills have been installed.
- Due to long storage, bolts and nuts as well as the wrought iron shaft were replaced. These were unbudgeted cost and will be presented to PrOpCom on a separate invoice.

22nd October 2007 Monday

- Training arrangements have been finalized between the RIFAN president, OGADEP and Development Associates.
- Training manuals have been prepared and reviewed by training engineers
- 25 participants await attendance for Tuesday training.
- Training venue has been concluded to be the mill house in OGADEP.
- Parboiled rice for the training are been prepared
- Training engineers are in Abeokuta
- Test run of the mill at Obada-Okoko continues today
- Training will begin on Tuesday and end on Thursday.
- Test run of the two mills will also be completed by Thursday

6. Training Manual (see Hard Copy)