

Volume 8

Extension of the Pilot Project 1

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LIST OF ABBREVIATIONS

JICA	Japan International Cooperation Agency
MVCS	Ministry of Housing, Construction and Sanitation
OJT	On-the-Job-Training

CHAPTER 1 BACKGROUND OF EXTENDING THE PILOT PROJECT 1

From March 2008, the study team of Japan International Cooperation Agency (JICA) has started to assist in facilitating the reconstruction of confined masonry houses as safer housing through the Study on Housing Reconstruction with Seismic-resistant House in the Republic of Peru. In October 2008, a pilot project called “rehabilitation of safer housing reconstruction” was prepared.

This pilot project, identified as Pilot Project 1, was conducted by JICA study team from November to December, 2008. During the Pilot Project 1, JICA study team prepared the prototype drawings for safer housing and produced three manuals dealing with building permit system improved by using the prototype drawings, simple inspection and construction supervision. On-the-job training (OJT) of the building permit administration was conducted for officers of pilot municipalities, by using the prototype drawings and three manuals. A workshop on dissemination of the prototype drawings to local people was also implemented in the municipalities. The Pilot Project 1 areas covered 3 municipalities in total in Ica, Pisco and Chincha province.

The Pilot Project 1 was successful in enhancing the technical capability of the municipal officers and in creating a Project Bank by using the prototype drawings.

MVCS (Ministry of Housing, Construction and Sanitation) and Ica regional government highly appreciated the performance of Pilot Project 1, and the government requested JICA to implement the Pilot Project 1 in eight other municipalities in Ica region in order to disseminate the prototype drawings and the Project Bank system.

From the end of January 2009 to the middle of March, 2009, the Pilot Project 1 was extended in eight municipalities in Ica region. The following tasks were implemented.

(1) Task 1: Allocate Local Engineers

Local engineers had implemented the OJT and workshop in eight municipalities for 30 days in total. Duration of implementation of OJT at one municipality was 10 days including the transfer of local engineers. An expert of seismic resistant structure supervised the performance of OJT and workshop by local engineers, and managed the registration procedure of the Project Bank. At the same time, local engineers disseminated the prototype drawings to local people through workshop.

(2) Task 2: Dispatch the Materials Prepared in Pilot Project 1

The following materials were dispatched to each municipality:

- Prototype drawings for safer housing
- Manuals of building permit
- Manuals of watching over construction
- Manuals of simple inspection
- Leaflets of building permit
- Posters of minimum requirements
- Posters of the prototype drawings

(3) Task 3: Disseminate the Building Permit System

Compared with the previous municipalities which conducted the Pilot Project 1, in selected eight municipalities this time, the capability of municipal officers as well as the administration of building permit section were not well organized yet. Therefore, in order to disseminate the prototype drawings and the Project Bank system effectively, JICA study team prepared a gear of capacity development on the prototype drawings. The detailed tasks were shown as follows:

1. Preparation of the manual of dissemination
 - a) Evaluation of the capability and organization of building permit administration in municipalities
 - b) The methodology of dissemination, using the prototype drawings and three manuals
 - c) Development of the methodology for checking the understanding of municipal officers
2. Effective technical transfer

Establishment of the future system for the regional governments and MVCS through technical transfer

(4) Task 4: Promote the Project Bank System

JICA study team followed up the creation of the Project Bank system to municipalities.

CHAPTER 2 OJT AND WORKSHOP CARRIED OUT BY LOCAL ENGINEERS UNDER SUPERVISION OF JICA STUDY TEAM

2.1. Objective of OJT and Workshop

The objectives of the OJT and workshop are as follows:

- The OJT aims to facilitate safer housing reconstruction through the prototype drawings and three manuals and to strengthen the capacity of local governments (municipalities and regional governments) to support housing reconstruction.
- The workshop seeks to disseminate the prototype drawings for safer housing to local people through the Project Bank.

2.2. Implementation Methodology

2.2.1. Selection Process of Pilot Project Areas

JICA study team selected the priority municipalities for implementation of the pilot projects. The criteria for the selection were:

- Municipalities showing initiative;
- Municipalities having a building permit section; and
- Municipalities having office equipment such as computers and CAD programs.

Through intensive discussion with MVCS, JICA study team selected San Juan Bautista, Los Aquijes, and Parcona in Ica province; Pisco and San Clemente in Pisco province; and Chincha, Grocio Prado and Tambo de Mora in Chincha province. These selected areas agreed to implement the pilot project. Figure 2.1.1 shows the location of these areas.

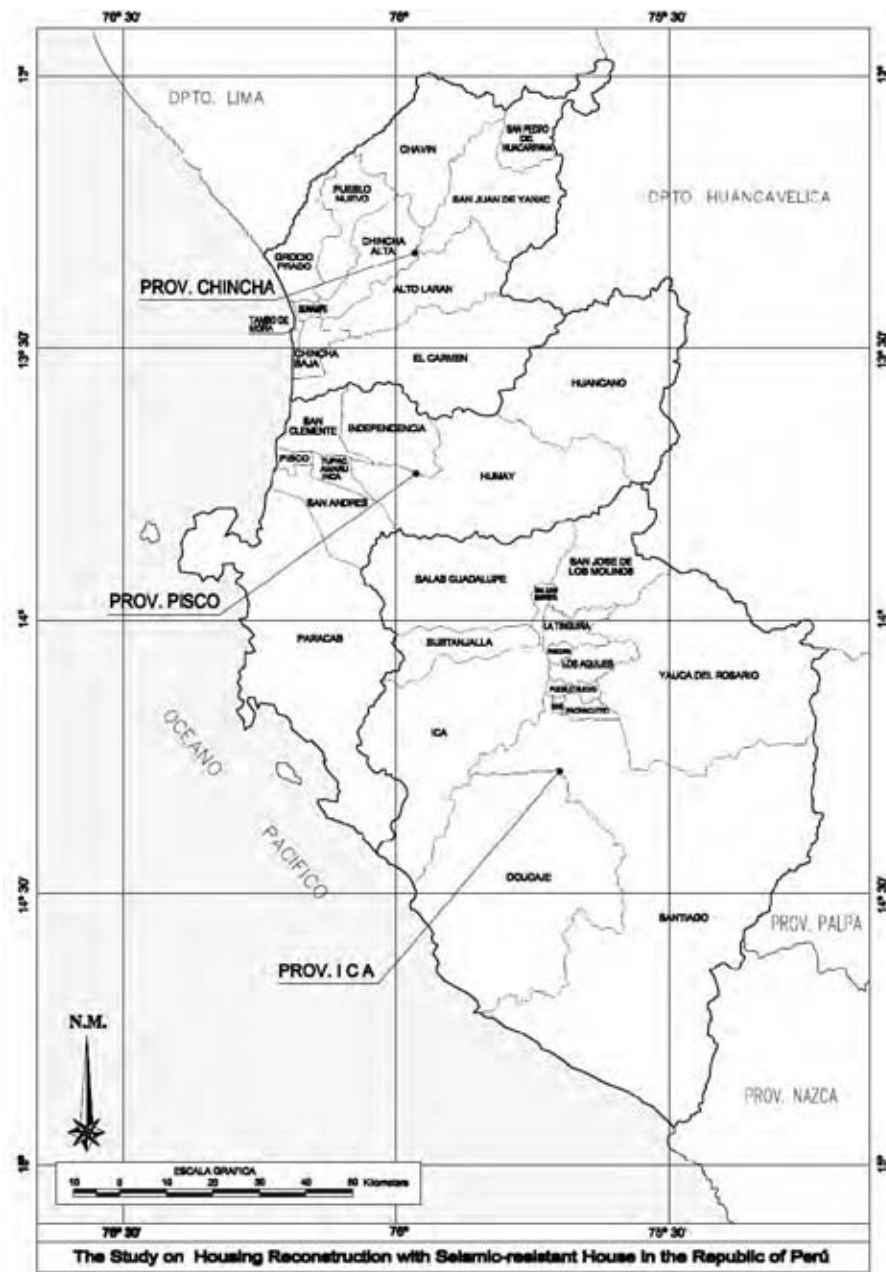


Figure 2.2.1 Location Map of the Selected Pilot Areas

2.2.2. Implementation Procedure of OJT and Workshop including Preparation of Materials and Supervision of Local Engineers' Works

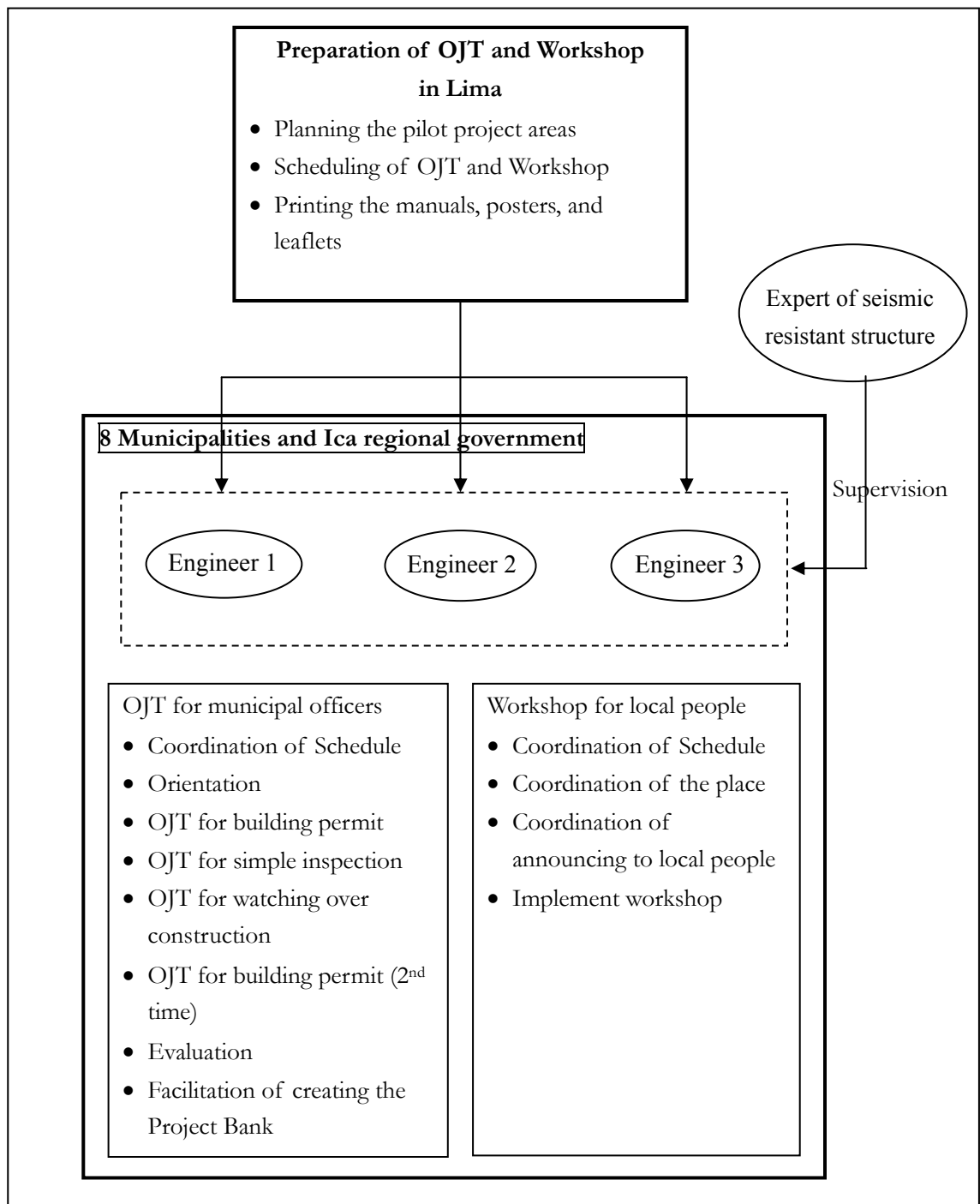
Before the OJT and workshop were implemented, the following procedure was conducted.

First, the schedules of OJT and workshop in each municipality and Ica regional government were planned. Then necessary number of all materials for OJT and workshop were determined and prepared.

Second, three local engineers as trainers were allocated to each municipality and Ica regional government for 10 days in total. They coordinated the schedule of OJT and workshop with the respective mayors and municipal managers, and implemented OJT for municipal officers. The local engineers also coordinated with each municipality to create the Project Bank. Detailed schedules of OJT were shown in section 2.3. Workshop was held after the OJT.

Third, during the implementation of OJT and workshop, an expert of seismic resistant structure supervised the performance of OJT and workshop by three engineers, and gave them some advices on how to improve future OJTs and workshops.

The flowchart of implementation procedure of OJT and workshop is shown in Figure 2.2.2.



Source: JICA study team

Figure 2.2.2 Implementation Procedure of OJT and Workshop

2.3. Schedule

The original schedule (see Table 2.3.1) was planned during the preparation of OJT and workshop. An actual schedule during the implementation of the OJT and workshop is shown in the Table 2.3.2.

Table 2.3.1 Original Schedule of OJT of 8 Municipalities and Ica Regional Government

Person in charge	Province	District	February																												March					
			D	L	M	M	J	V	S	D	L	M	M	J	V	S	D	L	M	M	J	V	S	D	L	M	M	J	V	S	D	L	M	M		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	1	2	3	4		
Jhon	ICA	S. JUAN BAUTISTA			A	B	C			D	E	F	G																							
		LOS AQUIJES												A				B	C	D	E	F														
		PARCONA																								A	B	C	D				E	F	G	
Joan	PISCO	PISCO			A	B	C			D	E	F	G																							
		SAN CLEMENTE												A				B	C	D	E	F														
		ICA Regional Government																																		
Gustavo	CHINCHA	CHINCHA			A	B	C			D	E	F	G																							
		GROCIO PRADO													A				B	C	D	E	F													
		TAMBO DE MORA																									A	B	C	D				E	F	G
		ICA Regional Governmental officials																																		
		Site visit by Sugiyama/Ivan																																		

Fuente: Equipo de Estudio Jica

Legend A:Orientation, B:building permit manual, C:simple Inspection Manual, D:Watching manual, E:building permit manual (2nd time), F:Evaluation of OJT, G:Workshop

Note 1 Ica Regional Government officials participate in OJT in S.Juan Bautista on 4, 5 6 9 10 11 and 12 of February. Ica Regional Governmental officials also participate in OJT in Ica Governmental office from 24 to 27 of February.

Note 2 OJT is planned to start from 10:00 for Morning session and 14:00 for Afternoon session.

Note 3. (Site visit by SUGIYAMA/IVAN, and Okayama) Feb.4:CHINCHA(10:00) and PISCO(14:00), Feb.5:S. JUAN BAUTISTA(10:00), Feb.12:CHINCHA(15:00) and PISCO(17:00), Feb.13:LOS AQUIJES(10:00) and GROCIO PRADO(14:00), Feb.17:GROCIO PRADO(10:00) and SAN CLEMENTE(14:00), Feb.18:LOS AQUIJES(10:00) and SAN CLEMENTE(14:00), Feb.24:TAMBO DE MORA(11:00), Feb.25:ICA Regional Government(10:00) and PARCONA(14:00), Feb.26: CA Regional Government(10:00) and TAMBO DE MORA(14:00)

Table 2.3.2 Actual Schedule of OJT of 8 Municipalities and Ica Regional Government

Person in charge	Province	District	February																												March					
			D	L	M	M	J	V	S	D	L	M	M	J	V	S	D	L	M	M	J	V	S	D	L	M	M	J	V	S	D	L	M	M		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	1	2	3	4		
Jhon	ICA	S. JUAN BAUTISTA			A	B	C			D	E	F	G																							
		LOS AQUIJES													A				B	C	D	E	F													
		PARCONA																									A	B	C	D				E	F	
Joan	PISCO	PISCO			A	B	C			D	E	F	G																							
		SAN CLEMENTE													A				B	C	D	E	F													
		ICA Regional Government																																		
Gustavo	CHINCHA	CHINCHA			A	B	D			C	E	F	G																							
		GROCIO PRADO														A				B	D	C	E	F												
		TAMBO DE MORA																									A	B	D	C				E	F	G
		ICA Regional Governmental officials																																		
		Site visit by Sugiyama/Ivan																																		

FUENTE: EQUIPO DE ESTUDIO DE JICA

Legend A:Orientation, B:building permit manual, C:simple Inspection Manual, D:Watching manual, E:building permit manual (2nd time), F:Evaluation of OJT, G:Workshop

Note 1 Ica Regional Government officials participate in OJT in S.Juan Bautista on 4, 5 6 9 10 11 and 12 of February. Ica Regional Governmental officials also participate in OJT in Ica Governmental office from 24 to 27 of February.

Note 2 OJT is planned to start from 10:00 for Morning session and 14:00 for Afternoon session.

Note 3. (Site visit by SUGIYAMA/IVAN, and Okayama) Feb.4:CHINCHA (10:00) and PISCO (14:00), Feb.5:S. JUAN BAUTISTA (10:00), Feb.12:CHINCHA (17:00) and PISCO (19:00), Feb.13:LOS AQUIJES (10:00) and GROCIO PRADO (14:00), Feb.17:GROCIO PRADO (10:00) and SAN CLEMENTE (14:00), Feb.18:ICA Regional Government (10:00) and SAN CLEMENTE (14:00), Feb.24:TAMBO DE MORA (11:00) and GROCIO PRADO (17:00), Feb.25:ICA Regional Government (9:00) and PARCONA (14:00), Feb.26: TAMBO DE MORA

(*) Se reprogramó taller pero no se realizó.

Table 2.3.3 indicates the reasons why the implementation schedule of OJT and workshop had changed.

Table 2.3.3 Reasons for Changing the Implementation Schedule of OJT and Workshop

Municipality	Reason for changing OJT schedule	Reason for changing workshop schedule
San Juan Bautista	No change of OJT schedule	No change of workshop schedule
Los Aquijes	No change of OJT schedule	The workshop was rescheduled from February 23rd to February 27th because local people were not properly informed of the workshop date.
Parcona	No change of OJT schedule	The workshop programmed for March 4th was canceled because local people did not show up for the workshop: inappropriate information resources were used. The workshop was moved from March 4th to March 11th to be implemented by Municipality itself.
Pisco	Session D was canceled by request of Chief of Public Works because of too much work in the office. Session D was reprogrammed for next day plus session E.	The workshop was rescheduled from February 12th to March 19th because local people were not properly informed about the workshop.
San Clemente	No change of OJT schedule	The workshop was rescheduled from February 23rd to March 2nd because local people did not attend the workshop; announcement of the workshop was inadequate. On March 2nd workshop was not done because of the same problem. The workshop was rescheduled again from March 2nd to March 9th to be implemented by Municipality itself.
ICA Regional Government	No change of OJT schedule	No change of OJT schedule
Chincha	Switch session C for session D, with the objective of discussing the watching over construction Manual before the site inspection.	No change of OJT schedule
Grocio Prado	Switch session C for session D, with the objective of discussing the watching over construction Manual before the site inspection	The workshop was moved from February 23rd to 24th by request of JICA study team.
Tambo de Mora	Switch session C for session D, with the objective of discussing the watching over construction Manual before the site inspection	No change of OJT schedule

Source: JICA study team

Note: Session C (Session for Simple Inspection Manual)

Session D (Session for Watching over Construction Manual)

According to the results of implementation of OJT and workshop, JICA study team requested some municipalities to hold the workshop on their own initiative.

Unfortunately, all the workshops in the three districts were cancelled due to the reason shown below.

Table 2.3.4 Results of Additional Workshop by Municipal Initiatives

	District	Date	Results
CHINCHA	Chincha	March 14th	Cancelled due to no efforts of municipality for implementation of workshop
PISCO	San Clemente	March 9th	Cancelled due to no efforts of municipality for implementation of workshop
ICA	Parcona	March 11th	Cancelled due to inappropriate target local people for workshop in municipality

Source: JICA study team

2.4. Implementation Results

2.4.1. Outputs

The outputs such as three manuals, posters and prototype drawings which were prepared in Pilot Project 1 were utilized in extended Pilot Project as shown below (see Table 2.4.1).

Table 2.4.1 Outputs of Implementation of Extended Pilot Project

Classification		Number of materials delivered to			
		Municipality	Ica regional government	JICA study team	Total
Manual	Building permit	28 (3 or 4 depended on population of municipality)	3	5	36
	Simple inspection	72 (9 for each)	3	5	80
	Watching over Construction	760 (95 for each)	33	7	800
Poster	Minimum requirements	72 (9 for each)	3	5	80
	Prototype drawings	72 (9 for each)	3	5	80
	Leaflet	2,320 (290 for each)	44	36	2,400
Prototype drawings	CD	8 (1 for each)	1	-	9
	Copies of drawings	8 (1 for each)	1	-	9

Source: JICA study team

2.4.2. OJT

(1) OJT Sessions

During the implementation of OJT, an expert of seismic resistant structure supervised the performance of OJT by three local engineers.

Supervision points of the OJT are summarized below:

(a) Coordination for supervision of OJT

Followed by the planned schedule, three local engineers were allocated to each municipality to implement OJT. Once a week, the expert of seismic resistant structure visited the OJT place, supervised and followed up their performance at each municipality.

The local engineers' gave a detailed report of the OJT including the number of participants, activities, coordination and problems and their solutions to the expert every day. And the expert gave advice and suggestions to improve the OJT.

An example of the summary of the report is shown as follows (see Figure 2.4.1).

<u>SUMMARY OF DAILY REPORTS OF OJT IN</u>			
<u>CHINCHA PROVINCE</u>			
Municipality: Chincha Alta - Chincha			
Engineer in charge: Gustavo Quijada Kida			
Day	OJT ACTIVITIES		
04-Feb-09	OJT SECTION WORKSHOP	Participants	13 workers of Urban control (building permit), Human Settlements and Cadastre present JICA Study Team: Sugiyama and Iván Zapata
	PROJECT BANK	Activity	Orientation: Explanation of the Project, contents and OJT goals in the district. Initial evaluation to workers
	OTHERS	Coordination	Meeting with the municipality manager in Chincha to request support for the workshop dissemination Meeting with Grocio Prado mayor to explain the project
		Problems and solutions	It was decided to publicize the workshop through local TV (channel 2)

Source: JICA study team

Figure 2.4.1 Example of Summary of Daily Reports of Dispatched Engineers

Table 2.4.3 Evaluation Results of OJT Examinations

Municipality	Overview of the OJT evaluation	Understandable items based on test results	Not understandable items based on test results
San Juan Bautista	The results of evaluation indicated the trainees' understanding: The trainees showed interests in all the items.	Watching over construction Manual and Minimum Requirements	Project Bank. (Definition. Needed documents for creation of Project bank)
Los Aquijes	The results of evaluation indicated the trainees' understanding: The trainees showed interests in all the items.	Minimum Requirements	Prototype Drawings. (Definition and selection of prototype drawings)
Parcona	The results of evaluation indicate smooth improvement in items which were asked by trainees.. The regular job of trainees made it impossible for them to attend all sessions.	Simple Inspection Manual. Minimum Requirements	Prototype Drawings. (Definition and selection of prototype drawings)
Pisco	The results of evaluation indicate to increase in knowledge of trainees' knowledge, because of the attention they paid attentions during the OJT.	Manual of Improved Building Permit	Watching over construction Manual. (Placing of stirrups and definition of confined wall)
San Clemente	he results of evaluation indicate to increase in knowledge of trainees' knowledge, because of the attention they paid attentions during the OJT.	Simple Inspection Manual.	Prototype Drawings. (Definition and selection of prototype drawings)
ICA Regional Government	The results of evaluation indicate smooth improvement in items which were asked by trainees.. The regular job of trainees made it impossible for them to attend all sessions.	Manual of Improved Building Permit, Simple Inspection Manual and Watching over construction Manual	Project Bank. (Needed documents for creation of Project bank)
Chincha	The results of evaluation showed learning in trainees, besides the intention for OJT.	Minimum Requirements	Project Bank. (Needed documents for creation of Project bank)

Grocio Prado	The results of evaluation indicate improvement in learning; trainees did not show effective intention.	Simple Inspection Manual	Prototype Drawings. (Selection of prototype drawings)
Tambo de Mora	The results of evaluation indicate learning in trainees, besides the good intention for OJT.	Simple Inspection Manual	Prototype Drawings. (Selection of prototype drawings)

Source: JICA study team

(4) Re-education

According to the results of OJT tests in 8 municipalities and Ica regional government, the items not easily understandable to trainees are shown in Table 2.4.4

Table 2.4.4 Not Easily Understandable Items of OJT

Item	Description of item	Times
Prototype Drawings	Selection of prototype drawings	5
Project Bank	Definition. Required documents for creation of project bank	3
Watching over Construction Manual	Watching points in construction processes	1

Source: JICA study team

- (a) Prototype Drawings. With regard to prototype drawings, most municipal officers find difficulties in use of selection matrix for selection of prototype drawings.

Re-education to recommend:

The trainer should increase the role play times in order to familiarize municipal officers in the use of the matrix of selection of prototype drawings. Also, the trainer should print out the matrix of selection in A3 size for a clearer explanation to and easier understanding of trainees.

- (b) Project Bank. The difficulty of understanding the definition of Project Bank suggests a lack of interpretation of Law No. 27157 and Law No. 29090, which consider the use of Project Bank of municipality to apply for building permit for housing.

Re-education to recommend:

The trainer should explain briefly that in regulation of Law No. 27157, Art. 79, and in current regulation of Law No. 29090, Art 50, the use of Project Bank is considered for people who do not have drawings for construction of their houses.

- (c) Manual of Watching over construction. The problems of understanding are not so much.

Re-education to recommend:

The trainer should increase site inspection time to explain the points in watching over confined masonry house construction.

(5) Results of the Project Bank

The creation of Project Bank and the registration of prototype drawings in the Project Bank are important to meet the objectives of the extended Pilot Project.

The local engineers followed up the daily progress of the creation of the Project Bank and provided the support to municipalities.

However, some problems for creation of project bank were found as shown below:

- Lack of knowledge of Law No. 27157 and current Law No. 29090, which indicate the use of project bank in municipality for building permit in case of construction of housing.
- Administration processes delay the creation of project banks because of the poor coordination between the sections of municipality.
- In some municipalities, the legal advisor is not permanently available in the municipality, so the preparation of resolutions is delayed.
- In some municipalities, local people do not usually apply for a building permit when they begin constructing their houses. So, if there are no users of Project Bank, municipality would not care whether it is created or not.

The results of creation of the Project Bank with the prototype drawings in 8 municipalities of Ica Region are shown in Table 2.4.5.

Six out of eight municipalities created Project Bank or registered the prototype drawings in Project Bank. In Grocio Prado, due to the current political situation (change of mayor) there, the creation of Project Bank will not be successful, even if the technical report approving prototype drawings is already prepared.

Table 2.4.5 Creation of the Project Bank with the Prototype Drawings

Province	District Municipality	(1) Existing Project Banck (Yes or No)	(2) Date of Creation of Project Banck	(3) Date of registration of the prototype	(4) Resolution type and N°.
ICA	S.Juan Bautista	NO	17/02/2009	17/02/2009	MAYOR RESOLUTION N° 051-2009-AMDSJB-I
	Los Aquijes	NO	27/02/2009	27/02/2009	MUNICIPAL COUNCIL RESOLUTION
	Parcona	NO	-----	-----	-----
Pisco	Pisco Provincial Municipality	NO	16/02/2009	16/02/2009	MAYOR RESOLUTION N° 044-2009-MPP-ALC
	San Clemente	YES	-----	02/03/2009	MAYOR RESOLUTION N° 123-2009-MDSC/ALC
Chincha	Chincha Provincial Municipality	YES	05/11/2007	27/02/2009	MUNICIPAL COUNCIL RESOLUTION N° 62-2007 A/MPCH - MAYOR RESOLUTION N° 148-2009-A/MPCH
	Grocio Prado	NO	-----	-----	-----
	Tambo de Mora	NO	03/03/2009	03/03/2009	MAYOR RESOLUTION N° 206-A/MDTM-2009

Source: JICA study team

There are two ways for getting the resolution of creation of Project Bank. One is through Mayor Resolution, which approves and resolves municipality administrative issues. The other one is through Council Agreement, which is related to public interest issues.

2.4.3. Workshop

(1) Coordination with Municipalities to gather Local People

Coordination is one of the most important factors in gathering local people for workshops. While preparing to hold the pilot project workshops, there were some problems encountered with municipalities regarding this matter. Here are important points to bear in mind to give the workshop a chance to succeed:

- (a) The support from the mayor and municipal manager is very important to implement the workshop successfully, although this does not always happen. It may be that the mayor and/or municipal manager are busy in other things.
- (b) Most of municipalities have the section of public relation which is helpful to disseminate the prototype drawings to local people.

- (c) The initiative of municipal officers is important to implement the workshop.
- (d) Some civil societies such as milk clubs, mothers clubs, housing associations, squatter settlements and villages are good targets to implement the workshop.
- (e) It is important that construction companies get knowledge about prototype drawings. The construction companies can use the prototype drawings in their projects.
- (f) During the workshop, media such as local television, radio, and newspaper shall be used to announce the workshop implementation to local people.
- (g) Municipality should identify the ones who received BONO 6000 or Techo Propio BFH in order to persuade these people to use the prototype drawings.

(2) Number of participants for workshop by municipality

Table 2.4.6 Number of Workshop Participants

Province	District Municipality	(1) Date of workshop	(2) Number of participants (local inhabitants)	(3) Number of participants (construction company)	(4) Number of participants (Municipality officers including the OJT trainees)	(5) Media used to gather participants
ICA	S.Juan Bautista	2009/2/12	21	0	4	Posters and fliers, and loudspeaker
	Los Aquijes	2009/2/25	50	0	1	Posters and fliers, and loudspeaker. Invitation letters sent to housing associations
		2009/2/27	40	0	4	Posters and fliers, and loudspeaker; local newspapers (3)
	Parcona	Canceled	0	0	0	Posters and loudspeaker
PISCO	Pisco Provincial Municipality	2009/2/19	72	0	3	Posters, radio, loudspeaker and written invitations
	San Clemente	Canceled	0	0	0	Posters and radio
CHINCHA	Chincha Provincial Municipality	2009/2/12	33	0	2	Television (5 channels), newspaper and fliers

	Grocio Prado	2009/2/24	40	0	2	Television (6 channels, radio (2 stations), newspapers (2) and fliers
	Tambo de Mora	2009/3/4	19	1	3	Loudspeaker and fliers

Source: JICA study team

Lack of dissemination and low interest of municipality are principal causes of workshop cancelations.

2.4.4. Technical Transfer to MVCS and Regional Governments

(1) Contents of the Training

The training components are as follows.

(a) Orientation

Briefly explain the prototype drawings, the three manuals, posters, the Project Bank, and scheduling of OJT and workshop.

(b) Manual of building permit

Explain the objectives of the manual, prototype drawings, and 9 steps for building permit system at municipalities. Also show the role playing for application of building permit situation between local people and municipal officers.

(c) Manual of Simple Inspection

Explain the procedure of practical use of the manual and checklist, followed by the schedule at 4 construction stages: foundation, wall, roofing, and completion. Visit the building construction site in order to show how to conduct the site inspection, using checklists shown in the manual.

(d) Manual of watching over construction

Explain how to watch over the construction in conformity with the minimum requirements during the construction process.

(e) Project Bank

Explain the definition of the Project Bank, and the process and necessary documents for the creation of the Project Bank.

(f) Prototype drawings

Explain how to use the selection matrix, prototype drawings, and shopping list, using

the operation of CAD and Excel program.

(2) Comments from Ica Regional Government officers (points for improvement, and requests for better dissemination)

During the implementation of training, the following comments were made by the Ica Regional Government officers (trainees)

(a) Participation of the mayor

Before the implementation of OJT and workshop at municipalities, it is suggested that MVCS or regional governments call mayors of municipalities which are going to implement OJT and workshops to explain the importance of dissemination of prototype drawings through the Project Bank to local people. At the same time, MVCS or regional governments shall request mayors to sign the implementation support agreement.

(b) Effective ways of dissemination of the prototype drawings conducted by regional governments and municipalities

It is suggested that broadcast media, such as television and radio, and newspapers be used as effective ways of disseminating the prototype drawings to local people before the utilization of the prototype drawings through the Project Bank system in municipalities.

2.4.5. Lessons Learned

(1) Incentives of regional governments and municipalities

- The mayor's commitment to implementing the OJT and workshop is significant to getting the much needed support throughout the whole process of OJT and workshop. So it is recommended to obtain the letter of support or promise of support from mayors.
- It is necessary for municipal officers to have awareness of the importance of dissemination of the prototype drawings through the Project Bank.
- The mayor, municipal manager and the chief of public works need to provide the appropriate instruction to the municipal officers who implement OJTs and workshops.

(2) OJT

- In implementing the OJT, it is important to know the working hours of municipal officers to properly arrange the time schedule of the OJT.
- It is necessary to spend more time on the use of prototype drawings and the Project Bank. This is because municipal officers requested more explanation and discussion to understand them properly.

- There should be sufficient number of materials used in OJT to serve the needs of every trainee. This is because sometimes materials were not enough for trainees.

(3) Workshop

- It is necessary to push municipal officers to hold workshops. Otherwise, the workshop will be canceled due to the lack of interest or concern of the municipal officers.
- The mayor's attendance at the workshop will signify the importance given to the workshop and ensure that many local people will attend.
- It is necessary to prepare appropriate ways of notification of workshop to local people to get as many of them as possible to attend the workshop.

(4) Project Bank

- It is necessary to follow up the technical engineers in the section of public works who prepare the technical reports in the process of the creation of the Project Bank, whether they have the knowledge to evaluate the prototype drawings, or to conduct the evaluation properly.

CHAPTER 3 PREPARATION OF THE GUIDE

3.1. Objective of the Guide

The objective of the guide is to help municipal officers implement smooth building permit administration by using prototype drawings through Project Bank in municipality.

3.2. Important Points in Preparing the Guide

The guide consists of three sections, namely, evaluation of capability and organization of municipalities; methodology of OJT for municipalities and workshop for local people; and guideline of practical use of the prototype drawings and three kinds of manual for safer housing at the building permit administration.

3.2.1. Evaluation of Capability and Organization of Municipalities

The capacity and organization of building permit section and municipal officers in municipalities shall be evaluated because the evaluation results will be used to determine the level of OJT. In this way, the trainers can get an idea of the capacity and organization of building permit section of municipality before the beginning of training. In the following tables, the points of evaluation are shown:

Table 3.2.1 Evaluation Points for Building Permit Section

I. BUILDING PERMIT SECTION	
Evaluation point	Evaluation
1 . <u>Processes</u> Identify if the existing administrative system of building permit is appropriate	Explain the procedure for obtaining the building permit under Mode A. <u>Is the explanation clear and accurate?</u>
	<u>Has the Project Bank already been implemented in your municipality?</u>
2 . <u>Resources</u> Identify if the building permit section has infrastructure and basic equipment to do the work	<u>Is there a section in charge of the building permit?</u>
	<u>Is the space for the building permit section enough to conduct the work?</u>
	<u>Has the building permit section been provided with good equipment?</u>

Source: JICA study team

Table 3.2.2 Evaluation Points for Building Permit Section's Officers

I. BUILDING PERMIT SECTION'S OFFICERS	
Evaluation point	Evaluation
<p>1. <u>Position and skills</u></p> <p>Academic background, experience in building permit sections. Level of knowledge</p>	<p><u>Are most of them university degree holders (or technical institute graduates)?</u></p> <p><u>Do they have experiences with building permit administration?</u></p>
<p>2. <u>Training</u></p> <p>Identify if officers of the building permit section have been trained in building permit. By whom? When?</p>	<p><u>Have they been trained in building permit work for the last 3 years?</u></p>
<p>3. <u>Information</u></p> <p>Identify if officers of the building permit section have access to information related to the job they perform (Internet, bulletins, reviews, etc.)</p>	<p><u>Is the access to information good?</u></p>
<p>4. <u>Initial Test</u></p> <p>According to the qualifications, identify the level of technical and legal knowledge of personnel regarding building permits</p>	<p><u>Do the majority of them approve of the initial test?</u></p>

Source: JICA study team

3.2.2. Methodology of OJT for Municipalities and Workshop for Local People

The suggested number of sessions of OJT is seven. There are six sessions for OJT and one session for implementation of workshop in municipality. The items of OJT and for workshop are shown below:

1st day. Orientation. Initial test

2nd day. Manual of Building Permit

3rd day. Manual of Simple Inspection including construction site visit

4th day. Manual of Watching over Construction including construction site visit

5th day. Manual of Building Permit

6th day. Evaluation of OJT


7th day. Workshop

The guide gives a detailed description of methodology of OJT and workshop.

In OJT, the sessions of orientation and construction site visit are specially focused because these are important sessions for trainees to involve themselves in OJT.

Orientation gives trainees an overview of the OJT. Construction site visit shows how to check the real construction by a checklist. Most of trainees is reluctant to visit the site; however once they get to know the site inspection by using the checklist they will have much interests of site inspection. For that reason, all the process since the beginning to the end is clearly described and accompanied by pictures. This helps municipalities to implement the OJT by themselves.

Figure 3.2.1 shows the important steps of the process by description and pictures.

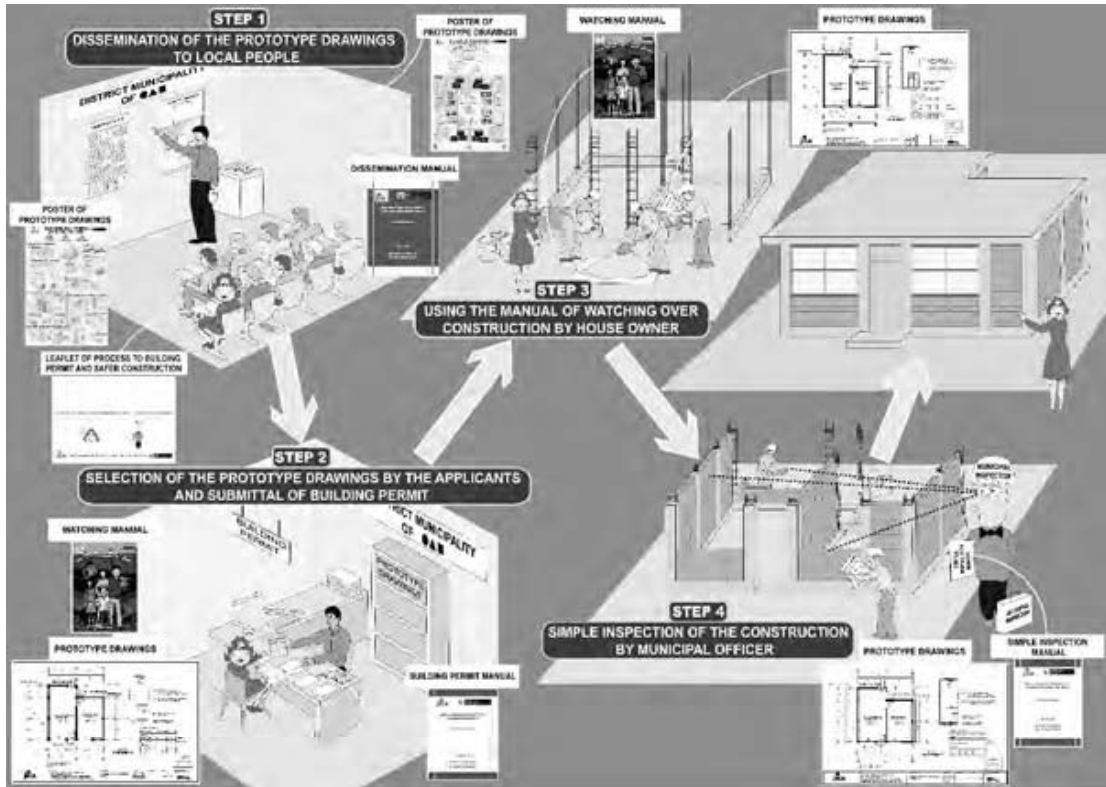
2.5	<p>Explain the manual of building permit.</p> <p>Points</p> <p>9 steps for building permit</p> <ol style="list-style-type: none"> 1. Dissemination of the improved building permit system 2. Selection of the prototype drawings 3. Preparation of building permit application form 4. Receipt of building permit application form 5. Evaluation of building permit application form 6. Building permit issuance 7. Watching over construction 8. Inspection of housing construction 9. Data bank 	
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Source: JICA study team

Figure 3.2.1 Methodology Example for OJT: Description and Pictures

3.2.3. Guideline of Practical Use of the Prototype Drawings and Three kinds of Manual for Safer Housing at the Building Permit Administration

All the materials needed in each step of practical use of the prototype drawings and three manuals for safer housing should be listed in the guide. The steps for dissemination of the prototype drawings to local people; selection of the prototype drawings by applicants and submittal of building permit; using the manual of watching over construction; and simple inspection of the construction by municipal officer are shown in Figure 3.2.2



Source: JICA study team

Figure 3.2.2 Steps for Using the Prototype Drawings and Three Manuals

Also, in each step, important points are described as follows:

Step 1: Dissemination of the Prototype Drawings to Local People

- Municipality organizes and implements workshops for dissemination of prototype drawings to local people.
- Prototype drawings are used by people to apply for building permit.
- Prototype drawings are registered in Project Bank of municipality.

Step 2: Selection of the Prototype Drawings by the Applicants and Submittal of Building Permit

- Use of manual of improved building permit system
- An example of selection of prototype drawings according to particular conditions of the applicants
- Explanation of printing out drawings and shopping list

Step 3: Use of the Manual of Construction Supervision by the House Owner

- Principal points to consider in the use of the manual of watching over construction

Step 4: Simple Inspection of the Construction by Municipal Officer

- Principal points to consider in the use of the manual of simple inspection

VOLUME 8

APPENDIX

- Appendix 1 Guide of Local Governments Capacity Development for Building Permit
- Appendix 2 List of OJT trainees (name, age, sex, position, job experience for building permit section, academic background)
- Appendix 3 Examination results of trainees
- Appendix 4 Copy of list of workshop participants (name, age, sex, address and job)
- Appendix 5 Copy of municipal/mayor regulations on creation of project bank and registration of prototype drawings in the project bank



PERÚ

Ministerio
de Vivienda, Construcción
y Saneamiento

Guide of Local Governments Capacity Development for Building Permit

For Reconstruction

March 2009

Japan International Cooperation Agency

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- Annex 1 A Picture of a Cut Model House in Pueblo Nuevo, Chincha
- Annex 2 Coordination of Project Bank and Registration of the Prototype Drawings in Project Bank in Municipality
- Annex 3 Coordination for Workshop in Municipality
- Annex 4 Technical Report Approving Prototype Drawing and Recommending Creation of Project Bank

Preface

On August 15th in 2007 an earthquake occurred in the Pacific Ocean, about 60 km west of Pisco municipality. The earthquake resulted in around 600 deaths and more than 2,000 injured, and water and sewerage facilities, hospitals, schools and other infrastructure were damaged.

The toll on properties was also devastating: 52,154 dwellings totally collapsed, 23,632 dwellings were severally damaged, and 116,706 incurred some damage by the earthquake. Due to these damaged houses, many people were left with nowhere to live.

The serious conditions of the affected houses wrought by the earthquake cemented Japan International Cooperation Agency's (JICA's) realization that it is important to promote seismic resistant housing reconstruction to reduce the risk of future earthquake damage.

After the earthquake, approximately 20,000 houses in affected area were reconstructed, using BONO6000 and Techo Propio Program, by November 2008. However, only 7,069 houses were issued the building permit, which accounted for a mere 30% of the total reconstruction. One reason for the slow progress of reconstruction is the few prototypes for safer housing against earthquake. Another reason is insufficiency in manpower of building permit sections. Those situations lead to poor quality of the reconstruction houses.

From March 2008, JICA study team has started to assist in facilitating the reconstruction of confined masonry houses as safer housing through the Study on Housing Reconstruction with Seismic-resistant House in the Republic of Peru. In October 2008, a pilot project was prepared.

The pilot project was conducted by JICA study team from November to December, 2008. The objectives of the pilot project were to facilitate safer housing reconstruction through the preparation and dissemination of prototype drawings for safer housing and to strengthen the capacity of local governments to support housing reconstruction.

During the pilot project, JICA study team prepared the prototype drawings for safer housing, the three manuals of building permit improved by using the prototype drawings, simple inspection and watching over construction. OJT (on-the-job training) of the building permit administration was conducted for officers of the pilot municipalities, by

using the prototype drawings and the three manuals. A workshop on dissemination of the prototype drawings to local people was also implemented in the municipalities. The pilot project area covered 3 municipalities in total in Ica, Pisco and Chincha province.

The pilot project was successful in enhancing the technical capability of the municipal officers and in creating a Project Bank by using the prototype drawings.

In order to disseminate the prototype drawings and Project Bank system into other municipalities in Ica region, JICA Study Team prepared this Guide of Capacity Development of Prototype Drawing for Safer Housing.

This guide was prepared by the following members of JICA Study Team:

Ichiro Kobayashi, Team Leader

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Kumi Okayama, Capacity Building of Local Government

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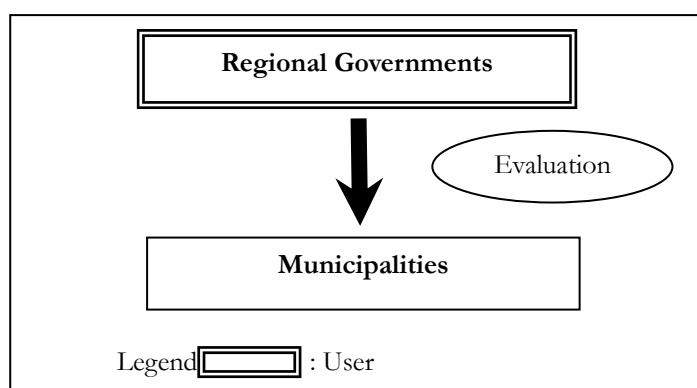
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CHAPTER 1 SUMMARY OF THE GUIDE

1.1 Users of the Guide

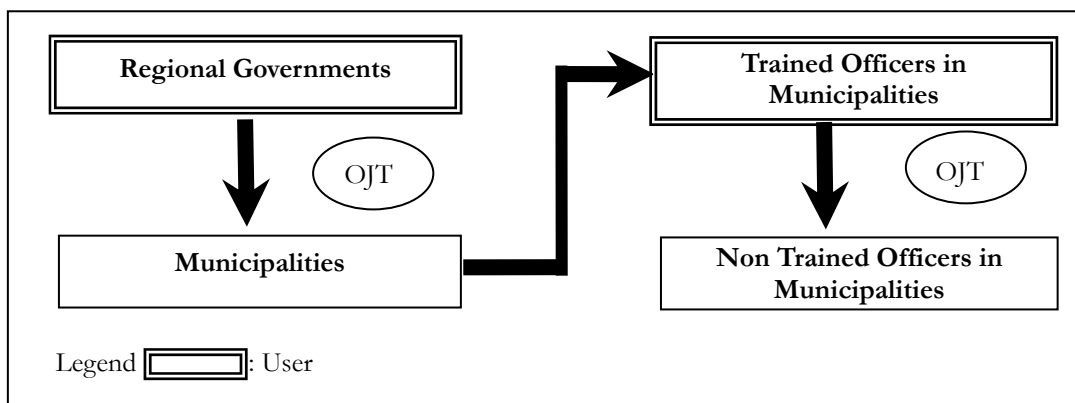
The users of the guide are shown in different occasions as follows.

Section 1: Evaluation of the Capability and Organization of Municipalities



Source: JICA study team

Section 2: Methodology of OJT for Municipalities and Workshop for Local People



Source: JICA study team

1.2 Outlines of the Three Sections of the Guide

The guide helps municipal officers understand use of the prototype drawings through Project Bank, and local people disseminate the prototype drawings. Therefore, regional governments and municipalities can continue to disseminate the prototype drawings by using this guide.

(1) Section 1: Evaluation of the Capability and Organization of Municipalities

The users of the guide in section 1 are regional governments. Regional governments have to evaluate the current situation of the building permit administration of municipalities before the OJT of municipal officers. The guide lays out how to evaluate the capability and organization of municipalities.



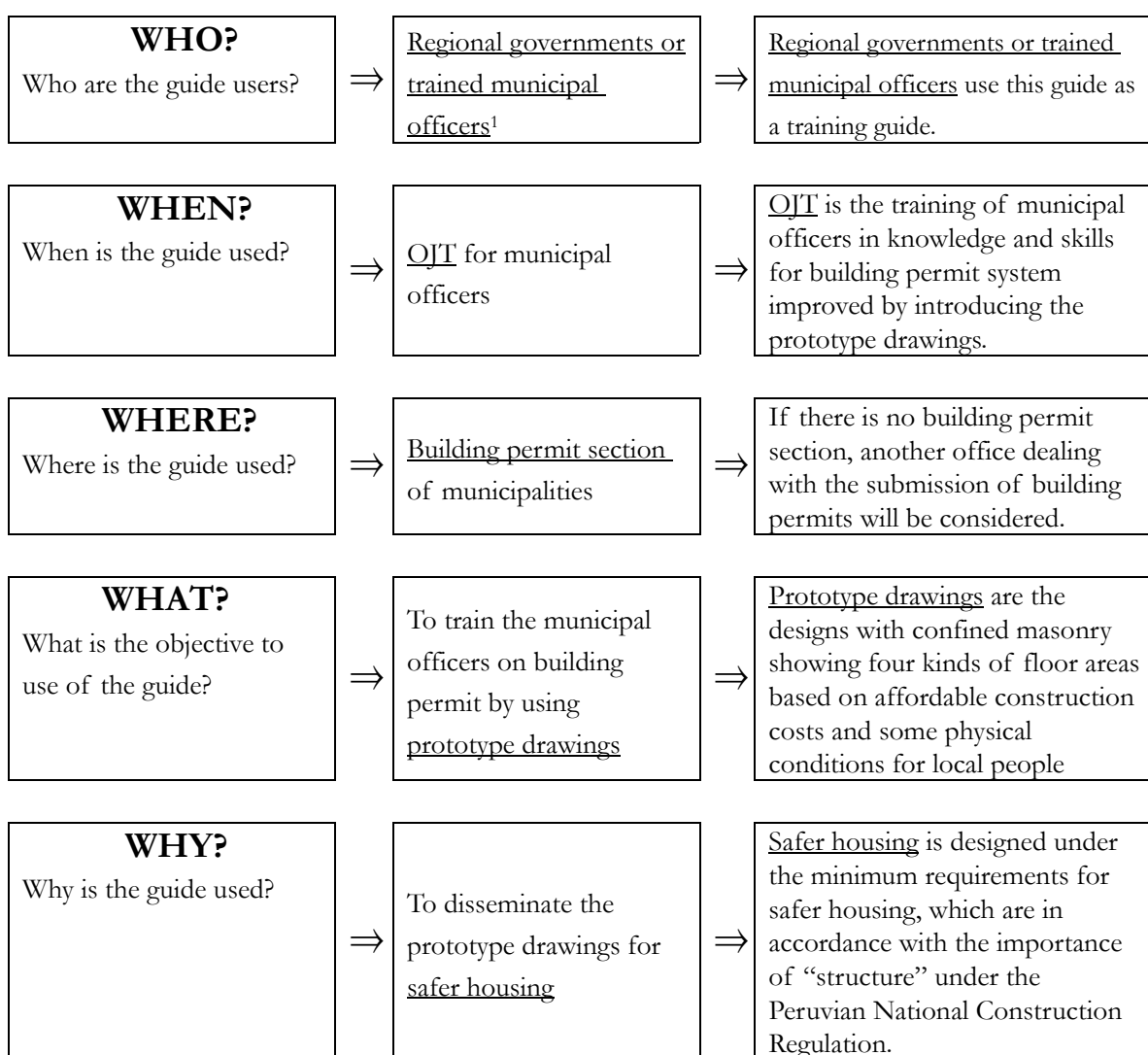
Source: JICA study team

Figure 1 Evaluation of the Capability and Organization of Municipalities

(2) Section 2: Methodology of OJT for Municipalities and Workshop for Local People

The users of the guide in section 2 are regional governments and trained officers of municipalities. The regional governments and trained officers have to know how to train the municipal officers and non trained officers in the use of the prototype drawings through Project Bank and the three manuals.

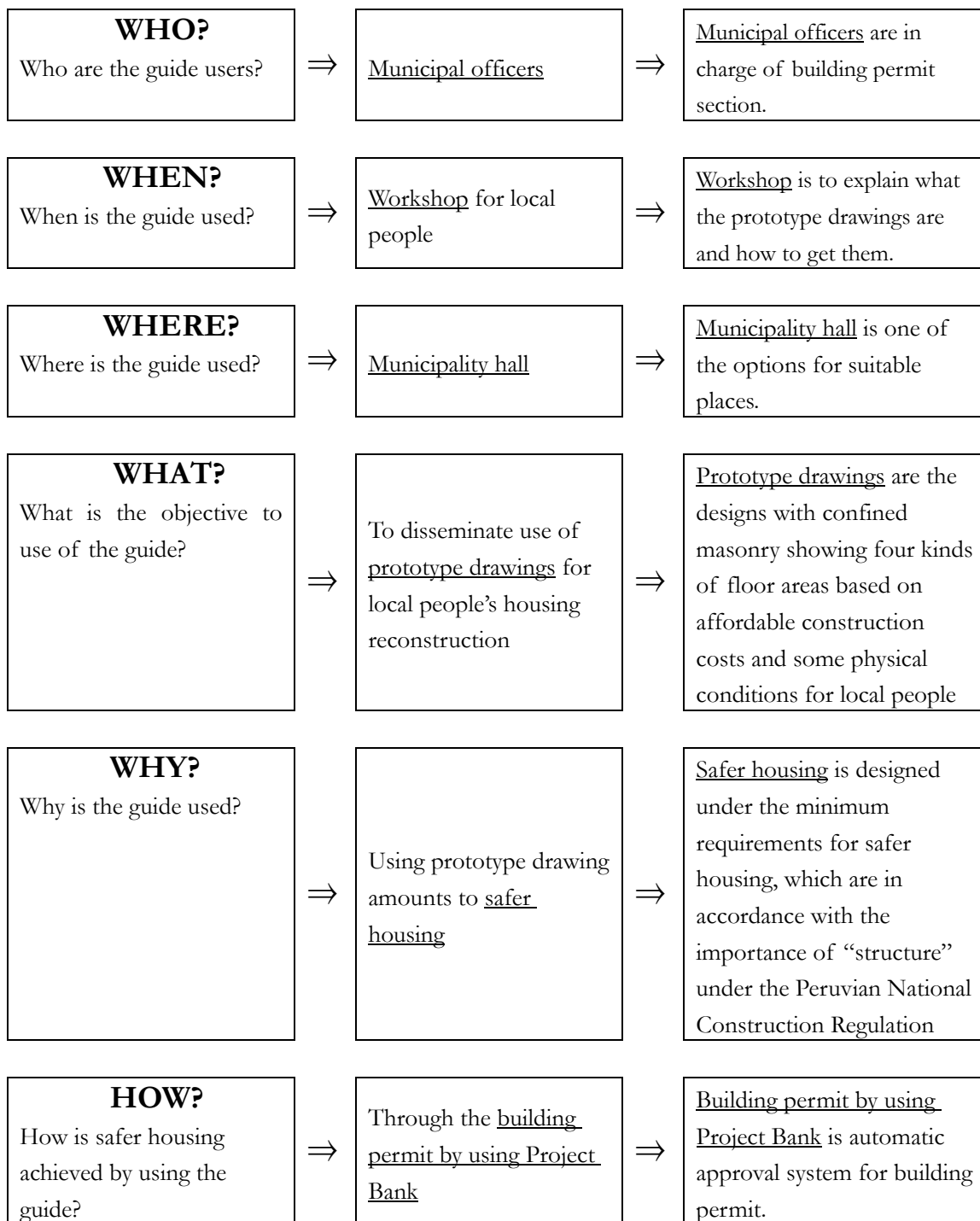
In section 2, there are two methodologies of the guide: One is for the methodology of OJT for municipal officers and another is for the one of workshop for local people.



Source: JICA study team

Figure 2 Methodology of OJT for Municipalities

¹ There are two types of groups who use the guide.
One is from regional governments to municipal officers.
The other is from trained municipal officers to non trained municipal officers.



Source: JICA study team

Figure 3 Methodology of Workshop for Local People

(3) Section 3: Guideline of Practical Use of the Prototype Drawings

The users of the guide in section 3 are municipal officers. They use the guide as guideline of understanding what explanation materials they use in the scene of building permit administration improved by using the prototype drawings for safer housing.

CHAPTER 2 CONSIDERATIONS FOR USING THE GUIDE

Users need to pay much attention to the following considerations when they use the guide.

2.1 Encouragement of the Mayor's Participation in OJT and Workshop

- (1) Regional government calls the mayors of municipalities which implement OJT and workshop, to explain the objectives of the OJT and workshop. In addition, the regional government gets mayors promise to provide strong support on all process of implementation for the OJT and workshop.
- (2) Trainer of OJT, who is dispatched from Regional Governments, explains to the mayor that the prototype drawings for safer housing followed importance of "structure" under the Peruvian National Construction Regulation.
- (3) Trainer also explains to the mayor that once the prototype drawings are registered in Project Bank, the house owners who use prototype drawings can get a building permit automatically.
- (4) Trainer explains to the mayor that local people would appreciate receiving the free prototype drawings from the municipalities.

2.2 Mayor's Effort for Gathering People and Continuity of Workshop

- (1) The mayor's attendance of workshop is very important in order to gather many local people to workshop.
- (2) Mayor needs to give a direct order to municipal manager to follow up the workshop.
- (3) Mayor invites the leader of association groups and civil society to attend the workshop.
- (4) Besides the mayor's effort, the municipality should prepare announcements indicating the time, place and objective of workshop. These announcements should be distributed to local people in district.

Problem Encountered in Preparing for the Workshop in One District

First day

A trainer, Mario, went to visit the mayor, but Mario could not meet the mayor because the mayor was so busy. So Mario coordinated with a municipal manager and a chief of public works regarding the workshop.

Second day

Mario coordinated with the chief of public works regarding the workshop venue and schedule. The chief of public works introduced Mario to a chief of press section to support in the workshop preparation. After meeting the chief of public works, Mario went to see the municipality manager to let him know about the chief of press section and his support for the workshop.

Third day

Mario tried to communicate with the municipal manager about the workshop arrangements, but the manager was not available.

Fourth day

The municipality manager told Mario that the municipality did not have an available place to hold the workshop. Later, Mario tried to catch the chief of press section to discuss this problem, but the chief was busy and could not help him.

Fifth day

In the morning, Mario could not get any answer from the chief of press section about the place of workshop. So Mario contacted the municipal manager on the phone, and the manager promised Mario that he will get back to Mario later, but the manager never called Mario back. In the afternoon, the chief of press section told Mario over the phone, "I do not think that you can get the people to attend the workshop, because the municipality already implemented this kind of workshop such as construction of SENCICO and MVCS; however people did not want to attend any events".

Sixth day

The chief of press section contacted Mario that workshop would be on Thursday, 12th, at 6:00 pm. The chief gave a copy of the press notification to Mario.

Seventh day (the day of workshop)

Mario went to the place of the workshop with municipal officers. But the municipal officers did not have the key to the place. Mario called the municipal manager but was unable to get in touch with him. Much worse, no local people came to the workshop. When the municipal manager called Mario back, it was too late. The workshop was not held.

Eighth day

Mario went to see the municipal manager, and asked the manager for a meeting with the chief of press section. However, the chief was sick and did not come to the office that day. The manager said to Mario, “we are upset about this matter, and those who are responsible for letting this happen will be reprimanded”.

Ninth day

Mario went to see the municipal manager again; however, he was not in the office. His secretary informed Mario that the possible date of the workshop would be on Thursday.

Tenth day

Mario could talk with the municipal manager of and confirmed that workshop would be on Thursday at 5:00 pm.

Lesson Learned

According to this case study, even though Mario tried to make efforts in coordinating the workshop with the people in municipality, the workshop was not successfully implemented. This is because the mayor was not involved in any process of the workshop, and also the mayor did not give a direct order to the municipal manager to follow up the workshop.

Coordinations to Reprogram the Workshop

First day

First day, Mario went to interview with municipal manager to tell him that Workshop failed because of lack of announcement, it is obvious that municipal people in charge of announcement didn't make coordinations for dissemination by media. Coordinating with chief press section, municipal manager and Mario, they decided to improve the announcement. So, Mario coordinated with chief of press section to call people who, at that time would receive construction materials as donation through municipality, to attend to workshop as a requirement to access to that benefit.

Second day

Mario coordinated with chief of press section on the dissemination by local radio and newspaper. Mario confirmed that press bulletin of the announcement of workshop was submitted from municipality to media.

Third day

Mario encouraged the chief of press section to be sure of success of workshop.

Fourth day

The chief of press section said Mario that workshop will be success because the time of announcement and good work in dissemination.

Fifth day

Mario encouraged the chief of press to be sure of success of workshop.

Sixth day

The workshop was successful, more than 70 local people attend workshop.

Lesson Learned

If the activities of dissemination are according to the coordinations, it leads to success of workshop.

2.3 Evaluation of Municipal Officers

- (1) According to the results of evaluation, there are two ways to implement OJT. For example, if the results of the evaluation are low, basic points should be explained with more details. On the other hand, if the results are high, there is no need to explain the details.
- (2) The distributions of the hours of teaching for basic and advanced concept depend on the result of evaluation.

2.4 Implementation Hours for OJT and Workshop

- (1) When the trainer goes to the training place in the OJT, it is important to know the schedule of working hours of municipal officers (in Ica region, working hours is

usually from 8:00 am to 2:00 pm).

- (2) In the coordination of the schedule of OJT, the trainer should inform the municipal officers that at least two hours of OJT per day for total training period is necessary to teach the contents of the guide to trainees.
- (3) Trainer plans the training schedule whether OJT is implemented during the working hours of municipal officers or after finishing their work.

Installation - 03/02/09	Session A - 04/02/09	Session B - 05/02/09	Session C - 06/02/09
Instalación en el sitio.	INTRODUCTION <ul style="list-style-type: none"> • Orientation and development of objectives of project, importance of having Project Bank and steps to follow (10:00 am - 90 minutes). • Initial test (11:30 am - 30 minutes). • Deliver of materials for project (09:50 am - 10 minutes). • Instalation software of CD prototype drawings (12:00 pm - 30 minutes). PROJECT BANK <ul style="list-style-type: none"> • Deliver of letter introducing prototype drawings for revision by Public Work Office (09:50 am - 5 minutes). 	OJT - MANUAL OF BUILDING PERMIT SYSTEM <ul style="list-style-type: none"> • 9 steps to follow (10:00 am - 60 minutes). • Prototype drawings - role game (11:00 am - 90 minutes). PROJECT BANK <ul style="list-style-type: none"> • Talk with engineer in charge of review of prototype drawings (02:00 pm - 30 minutes). CHARLA DE DIFUSION <ul style="list-style-type: none"> • Begin the conversations for organization of workshop (announcement for local people), dissemination (02:30 pm - 30 minutes). 	OJT - MANUAL OF SIMPLE INSPECTION <ul style="list-style-type: none"> • OJT (10:00 am - 60 minutes). • Site inspection to confined masonry house (11:00 am - 60 minutes). PROJECT BANK <ul style="list-style-type: none"> • Talk with engineer in charge of review of prototype drawings (02:00 pm - 30 minutes).
Session D - 09/02/09	Session E - 10/02/09	Session F - 11/02/09	Session G - 12/02/09
OJT - MANUAL OF WATCHING <ul style="list-style-type: none"> • OJT about Minimum Requirements (10:00 am - 60 minutes). • OJT about constructive processes (11:00 am - 60 minutes). • Site inspection to confined masonry house (1:00 pm - 60 minutes). PROJECT BANK <ul style="list-style-type: none"> • Chief of public works should submit technical report approving prototype drawings and registration in Project Bank - Meeting (02:30 pm - 30 minutes). 	OJT - MANUAL OF BUILDING PERMIT <ul style="list-style-type: none"> • Prototype drawings - role game (10:00 am - 01:00 pm - 120 minutes). BANCO DE PROYECTOS <ul style="list-style-type: none"> • Chief of public works should submit technical report approving prototype drawings and registration in Project Bank - Meeting (09:00 am - 40 minutes). WORKSHOP <ul style="list-style-type: none"> • Development of activities of dissemination for calling of local people to workshop (04:00 pm - 40 minutes). 	OJT <ul style="list-style-type: none"> • Evaluation to trainees (01:00 pm - 50 minutes). WORKSHOPS <ul style="list-style-type: none"> • Invitation to local people for participation in workshop (07:00 pm - 30 minutes). • Preparation of materials for workshop (04:00 pm - 60 minutes). 	PROJECT BANK <ul style="list-style-type: none"> • Ask the Mayor Resolution approving the prototype drawings (11:00 am - 20 minutes). WORKSHOP <ul style="list-style-type: none"> • Implementation of workshop (03:00 pm - 90 minutes).

Source: JICA Study Team

- (4) For workshop, it is important to consider principal occupation of local people in each district. For example, in Ica region, the schedule should be planned from 5:00 pm to 8:00 pm for local people. The weather is another point to consider.

2.5 Points of Site Inspections for Simple Inspection and Watching over Construction

- (1) Trainer considers the schedule of site inspection in advance.
- (2) Trainer refers to the checklist to see if construction of house meets the minimum requirement or not.
- (3) Site inspection needs at least one hour. In addition, two hours lecture is necessary.

- (4) It is recommended that Trainer and Trainees visit a cut model house of safer housing in Pueblo Nuevo district, Chinchá, pointing out the items of the minimum requirements for safer housing. The cut model house is located at the corner of Sebastian Barranca Street and 12 de Octubre Street (close to the little market of Pueblo Nuevo).

Problem Encountered in Coordinating Site Inspection in One District

The trainer, Carlos, coordinated with the municipal officer in order to find a construction site for implementing the site inspection in advance.

In the morning of the day of site inspection, the municipal officer told Carlos that there were no construction sites around the municipality, so he was unable to suggest a site for Carlos. However, there were some buildings under construction near the municipality.

And then Carlos and municipality officer went to visit one of the building construction sites, and asked the owner whether they could conduct a site inspection as an OJT in the afternoon. The owner agreed to let them conduct the site inspection. After the site inspection, the municipal officer was quite interested in the site inspection and appreciated it very much in the end.

Lesson Learned

At the beginning of coordination with municipal officer, asking him to find a site construction, there was resistance. However, it was necessary to convince the officer about the importance of the implementation of the site inspection. And the site inspection turned out to be very practical and useful for them in the end.

2.6 How to Get the Interest of Trainees

- (1) Start with the point trainer wants to make → "I would like to talk to you about the objectives of the training".
- (2) Make eye contact → Do not stare at the trainee, but regularly connect with trainee's eyes.
- (3) Point to an object or piece of paper trainer is holding (with a reason, of course).
- (4) Use words which stress the importance → "Probably most important of all is..," "I can't stress this enough..," "Please keep the following in mind.. .," "I didn't realize this was so important until...".

- (5) Use the trainees' names occasionally as trainer speaks.
- (6) Refer to specific people, places, statistics, and situations as trainer talks.
- (7) Trainer does not speak to the trainees all the time in OJT. Trainer sometimes talks to the trainees, using eye contact.

Recommendation on How to get the Interest of Trainees

By saying “Let me tell you a story”, everyone perks up → Everyone loves a good story.

The truth is that trainees probably will not remember trainer’s name, but trainees will remember the trainer’s stories. Trainees enjoy, internalize, and remember stories.

For the story to be effective, it must have components: Main character (anyone who at the end learns or teaches us something), scenario and fun moments.

Look for the best moment in the session to tell the story (should correspond to presentation).

2.7 How to Check the Understanding of the Trainees

- (1) Trainer lets trainees role game for selection of the prototype drawings.
- (2) In role game, the trainer asks trainees to recreate a situation related to building permit process. This is a very effective method to get the attention of trainees and make them achieve a better understanding of the matter.
- (3) An example of role game is shown as follows:

One trainee plays the role of a person whose house has been damaged and wants to rebuild. Other trainee takes the role of an officer of building permit section.

Recommendation of Role Game for the Selection of Prototype Drawing

Officer (Off): *Good morning. What can I do for you?*

Person wanting to rebuild (PWR): *Good morning. Can you help me, please? I received only BONO 6000, and I want to rebuild my house. But I cannot afford to pay an engineer to make construction drawings for me. What can I do?*

Off: *Fortunately, we have here the Prototype Drawings in the Project Bank of Municipality. So you can use these drawings made by professionals to construct your house.*

PWR: *Sounds good. So how can I get these drawings?*

Off: *It's very easy. First, you need to tell me about your own conditions. According to your conditions, we'll find the appropriate prototype drawing for you. In addition, I'll tell you how much your house will cost to rebuild.*

PWR: *Great. Let's begin.*

Off: *OK. You told me you've already received BONO 6000. So we use the matrix for prototype 1. Now tell me, is the soil quality where your house stands in good condition? Where is your house located?*

PWR: *It is good. When we made some excavations, we found too many stones and the work was hard. My land is located in XXX zone, in the west of the town.*

Off: *I see. It's good. I know that area. Good soil. It's ok. So, you don't need reinforced tie beam. Now tell me, what type of roofing do you prefer? I mean, you can use cane roofing or concrete slab roofing. It depends principally on the money you have because obviously concrete is much expensive than cane.*

PWR: *Oh no... no, I only have BONO 6000. So please. We need just the cheaper one for the moment.*

Off: *No problem. So it is cane roofing. Now tell me about the electrical installations. Is it available in your area?*

PWR: *Yes, of course, I need electrical service.*

Off: *OK. How about sanitary installations?*

PWR: *This service is available in my area. But I'm afraid maybe the money is not enough. What do you think?*

Off: *Unfortunately, you are right. It is not enough even for a latrine. Because you told me you only have BONO 6000.*

PWR: *I see. It's a pity...*

Off: *But don't worry. You are at the first step for construction. And the most important thing is that you are going to begin rebuilding a safer house for you and your family. So you need the Prototype Drawing 1 No. 6. The cost is S/ approximately 5,942.00. Let me update the cost of materials and I'll give you the precise cost.*

PWR: *OK. It's good to have these prototype drawings here at municipality!*

Off: *Yes. In addition, I'll give you a manual of watching over construction for your house. I'll tell you how to use it later. First, let me look at the list of prices of materials.*

PWR: *Thank you very much. I'll wait.*



2.8 Learning Points from the Examination Results of Trainees

- (1) Two examinations are given to trainees. One is conducted at the end of orientation, and another one on the last day of OJT. Comparing with the results of these examinations, trainer can know which items are clear to trainees and which ones require more explanation. The trainer can then improve or change the methodology of training for the next training.

2.9 Terms to Know when Using the Guide

- (1) Law and Regulation of Building Permit

All the legal and practical specifications for building permit administration are organized by respective Regulation of building permit, and this Regulation of building permit must be supported by its respective Law. The current Regulation

of building permit is supported by Law No. 29090.

(2) Building Permit

According to the Law No. 29090, Urban Habilitation Permit and Building Permit are administrative acts through the municipalities' issuance of authorization for execution of works of urban habilitation or building.

Both permits could be extended and modified, or desisted, if interested person asks for it.

(3) Municipal Officers

Technical and non technical municipal personnel are in charge of matters related to building permit administration. They could be, in case a municipality does not have a public works office, professionals or personnel of another section in municipality.

(4) OJT

On-the-job-training is the training of municipal officers in the place of work, public works office or building permit section office. Trainers go to the workplace and train using all the corresponding materials.

(5) Workshop

Workshop entails calling and meeting local people of the district, to gather them in one place, and to inform them how to get the prototype drawings for safer housing through Project Bank at municipality. Also, they will be informed of the minimum requirements for safer housing.

(6) Project Bank

The Project Bank system is shown in the Law of Urban Developments and Building Regulation (Law N°29090) and Law of Regularization of Buildings, of the Procedures for Finalization of Construction and of the Regime of Exclusive and Common Property (Law N°27157). The role of project bank is stipulated in Law N°27157. In case of the building permit of a house with less than 90 m² in which a house owner cannot prepare the house drawings, a district municipality should provide the owner with the drawings of project bank. It shows also in Law N°29090, which modified Law No.27157, that the drawings of project bank can be adopted for a uni-family house with a floor area of less than 120 m² for

construction in one lot of land.

(7) Minimum Requirements for Safer Housing

The minimum requirements for safer housing illustrate the important aspects of building safer houses, such as quality of materials, structural sections of main members and connection of structural members.

(8) Prototype Drawings for Safer Housing

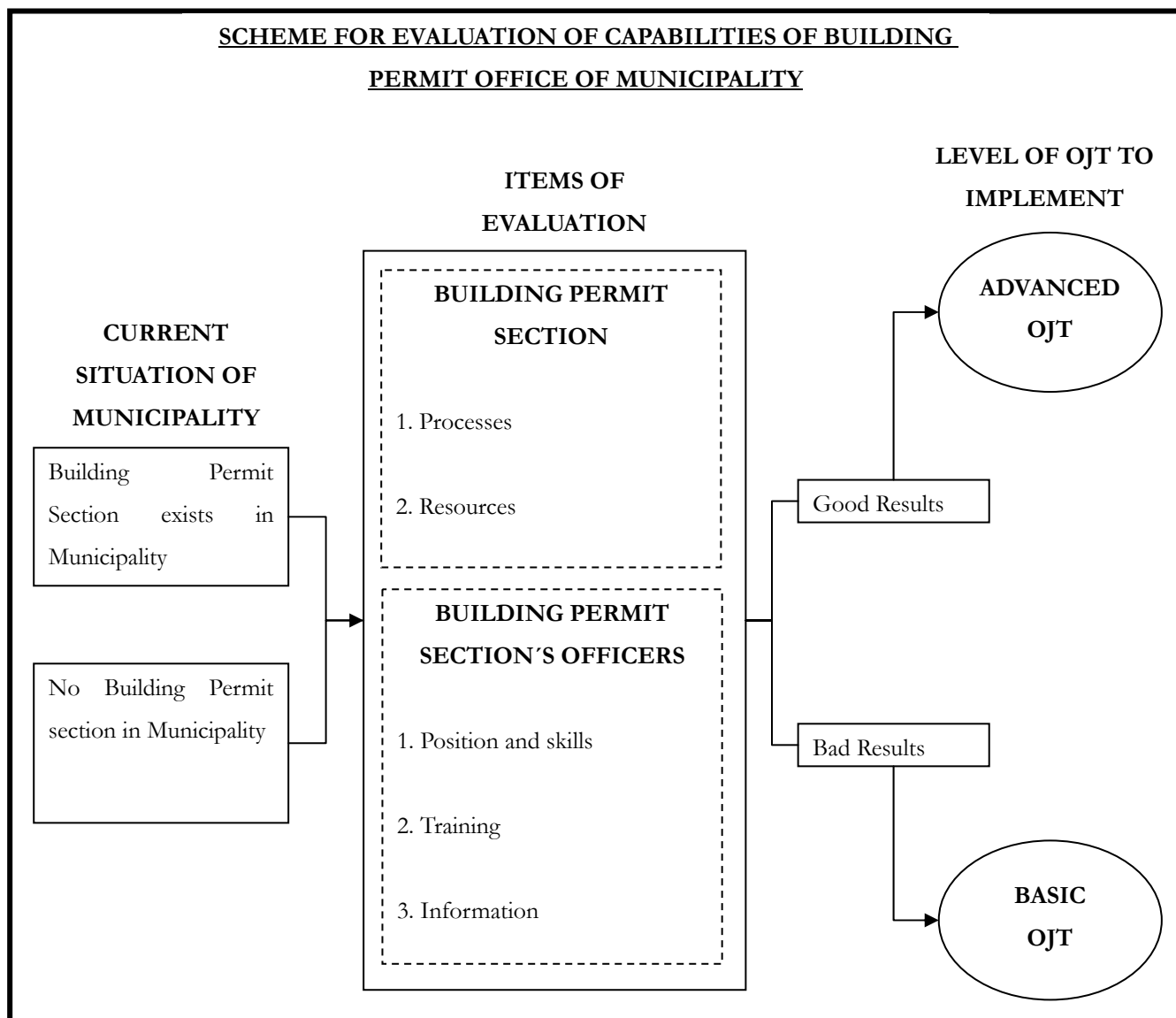
Prototype drawings for safer housing are the design with confined masonry, showing four kinds of floor areas based on affordable construction costs for local inhabitants. The prototype drawings include a selection matrix of prototype house design and a shopping list of construction materials to purchase for the selected prototype house.

(9) Safer Housing

Safer housing is designed under the minimum requirements for safer housing, which are in accordance with the importance of "structure" under the Peruvian National Construction Regulation.

CHAPTER 3 THE GUIDE

3.1 Section 1: Evaluation of Capability and Organization of Municipalities



Source: JICA study team

EVALUATION SHEET TO USE PRIOR TO CONDUCTING OJT

Municipality: _____ Date: _____

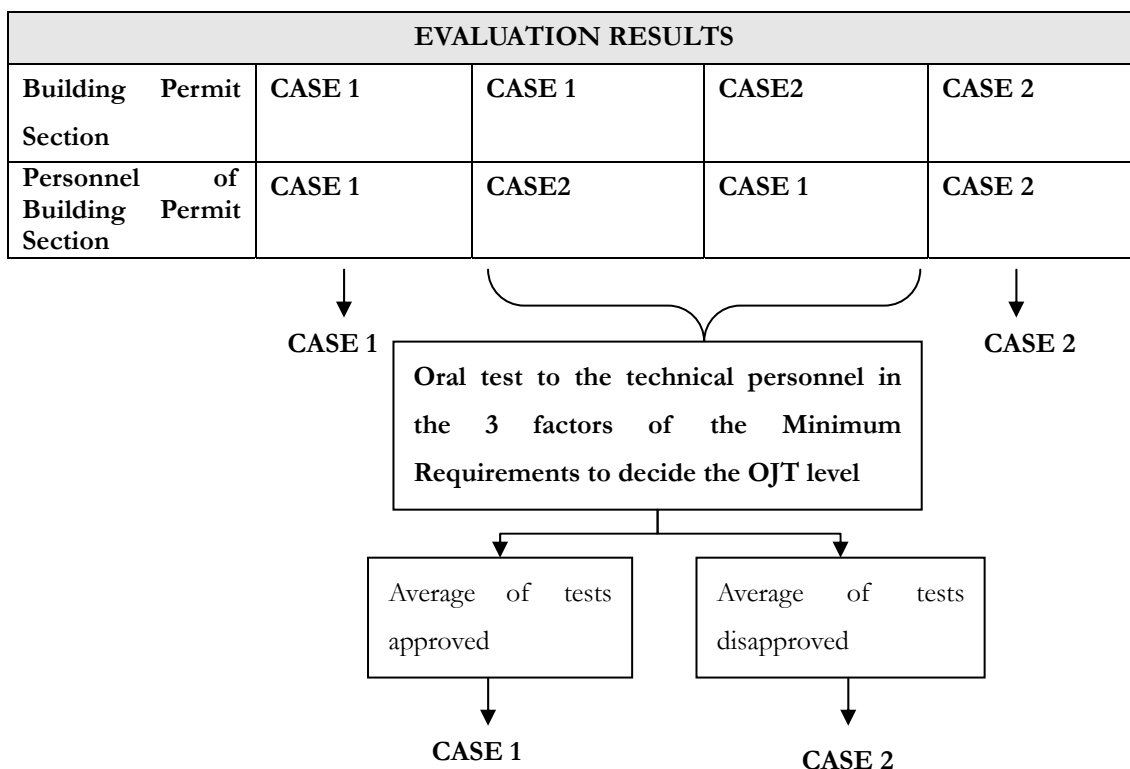
I. BUILDING PERMIT SECTION				
Item Evaluation point	Evaluation	Answer		Definition of the OJT level
1 .Processes Identify if the existing administrative system of building permit is appropriate	According to the regulation in force (Law No. 29090 and its regulations):			CASE 1 3 or more out of 5 questions YES → Advanced OJT
	Explain the procedure for obtaining the building permit under Mode A. <u>Is the explanation clear and accurate?</u>	Yes	No	
	<u>Has the Project Bank already been implemented in your municipality?</u>	Yes	No	
2 .Resources Identify if the building permit section has infrastructure and basic equipment to do the work	According to the present situation of the municipality resources			CASE 2 3 or more out of 5 questions NO → Basic OJT
	<u>Is there a section in charge of the building permit?</u>	Yes	No	
	<u>Is the space for the building permit section enough to conduct the work?</u>	Yes	No	
	<u>Has the building permit section provided with good equipment?</u> (computer, printer, software, paper, etc.)	Yes	No	

II. PERSONNEL OF THE BUILDING PERMIT SECTION				
Item Evaluation point	Evaluation	Answer		Definition of OJT level
1. <u>Position and skills</u> Academic background, experience in building permit sections. Level of knowledge	According to personnel academic background and current situation of building permit section.			<u>CASE 1</u> 3 or more out of 5 questions YES → Advanced OJT
	<u>Are most of them university degree holders (or technical)?</u> (*) Engineers, architects, including the personnel with technical skills and knowledge	Yes	No	
	<u>Do they have experiences with building permit administration?</u> (*) Engineers, architects, including the personnel with technical skills and knowledge	Yes	No	
2. <u>Training</u> Identify if officers of the building permit section have been trained in building permit. By whom? When?	<u>Have they been trained in building permit work for the last 3 years?</u> (**) By private or government institutions	Yes	No	<u>CASE 2</u> 3 or more out of 5 questions NO → Basic OJT
3. <u>Information</u> Identify if officers of the building permit section have access to information related to the job they perform (Internet, bulletins, reviews, etc.)	According to the personal or work conditions			
	<u>Is the access to information good?</u> Access to Internet, bulletins or reviews, related to regulation and construction? (personal or office subscription)	Yes	No	

4. Initial Test According to the qualifications, know the level of technical and legal knowledge of personnel regarding building permits	According to the average results of the initial test:		
	<u>Do the majority of them approve of the initial test? (***)</u>	Yes	No

- (*) If Building Permit Section has 1 to 2 members —————> consider 1 as YES
- If Building Permit Section has 3 to 5 members —————> consider 2 as YES
- If Building Permit Section has 6 or more members —————> consider 3 as YES
- (**) If at least one member has been trained the answer is YES
- (***) If 70 % approve the examination —————> consider the answer as YES





The results obtained from the evaluation sheet define the OJT level to be implemented in the Municipality:












3.2 Section 2: Methodology of OJT for Municipalities and Workshop for Local People




3.2.1 Process of OJT in Pictures






(1) Occasion of Orientation



Step 1: Preparation of OJT Materials					
1.1	<p>What to prepare for materials.</p> <table border="1" style="width: 100%;"> <tr> <td style="padding: 5px;"> <p>On the wall</p> <p>1. Poster</p> <ul style="list-style-type: none"> • Minimum requirements • Prototype drawings • Selection matrix • Shopping list • Dissemination of the process to use prototype drawings for safer housing • Leaflet of building permit • Announcement of OJT </td> <td rowspan="3" style="text-align: center; vertical-align: middle;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>On the table</p> <p>2. Prototype drawings</p> <ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list </td> </tr> <tr> <td style="padding: 5px;"> <p>3. Manual</p> <ul style="list-style-type: none"> • Building permit • Watching over construction • Simple inspection </td> </tr> </table>	<p>On the wall</p> <p>1. Poster</p> <ul style="list-style-type: none"> • Minimum requirements • Prototype drawings • Selection matrix • Shopping list • Dissemination of the process to use prototype drawings for safer housing • Leaflet of building permit • Announcement of OJT 		<p>On the table</p> <p>2. Prototype drawings</p> <ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list 	<p>3. Manual</p> <ul style="list-style-type: none"> • Building permit • Watching over construction • Simple inspection
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<p>On the table</p> <p>2. Prototype drawings</p> <ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list 					
<p>3. Manual</p> <ul style="list-style-type: none"> • Building permit • Watching over construction • Simple inspection 					
Step 2: Start the Orientation					
2.1	<p>Start when attendees (trainees) have arrived.</p> <p>Trainees are:</p> <ul style="list-style-type: none"> • Mayor or municipal manager • All officers of public works section including the chief • Non technical staff from other sections such as INDECI and land registration section 				
					


2.2	<p>Introduce the OJT.</p> <p>Point</p> <p>OJT is conducted for the training of municipal officers in using the prototype drawings and all corresponding manuals.</p>	
2.3	<p>Deliver the list of attendees.</p>	
2.4	<p>Explain the prototype drawings as the most important objective.</p> <p>Point</p> <p>The Prototype drawings are base of safer housing and Project Bank.</p>	
2.5	<p>Explain the manual of building permit.</p> <p>Point</p> <p>9 steps for building permit</p> <ol style="list-style-type: none"> 1. Dissemination of the improved building permit system 2. Selection of the prototype drawings 3. Preparation of building permit application form 4. Receipt of building permit application form 5. Evaluation of building permit application form 6. Building permit issuance 7. Watching over construction 8. Inspection of housing construction 9. Data bank 	 

<p>2.6 Show and explain the manual of watching over the construction.</p> <p>Point</p> <ul style="list-style-type: none"> • The manual serves as a guide for house owners to check whether their house construction is being done appropriately or not. <p>Give additional explanation to parts that are of interest to trainees.</p> <p>Explain the minimum requirements because the manual of watching over construction shows the minimum requirements at each step in construction.</p> <p>Recommend to go and see a cut model house in Pueblo Nuevo, Chincha (see Annex 1).</p>	   
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<p>2.7</p>	<p>Explain the manual of simple inspection.</p> <p>Point</p> <p>4 steps for simple inspection</p> <ol style="list-style-type: none"> 1. Foundation work 2. Wall work 3. Roofing work 4. Completion of the work 	 <p>The top photograph shows a man standing and holding a document, addressing a group of people seated around a table. The bottom photograph shows a similar scene with more people present, all focused on the documents being presented.</p>
<p>2.8</p>	<p>Question and Answer portion.</p>	 <p>The photograph captures a Q&A session where a man is standing and talking to a group of people seated at a table. They appear to be in a meeting or training environment.</p>
<p>2.9</p>	<p>Explain the prototype drawings for safer housing. Show the characteristics of each prototype drawing.</p> <p>Show and explain selection matrix.</p>	 <p>The top photograph shows a man standing and presenting a drawing to a group of people seated at a table. The bottom photograph shows the same man pointing to a selection matrix on a whiteboard while addressing the group.</p>




	<p>Show a set of the prototype drawings using a notebook computer.</p>	
2.10	<p>Review the manual of improved building permit.</p>	
2.11	<p>Review the manual of watching over construction.</p>	
2.12	<p>Review the manual of simple inspection.</p>	
2.13	<p>Explain the process where all manuals are used.</p> <p>Point</p> <p>Show all manuals, using the poster of dissemination of the process to use prototype drawings for safer housing.</p>	

2.14	<p>Coordinate OJT and workshop.</p> <p>a. Explain the details of project bank system (see Annex 2) (see Annex 4)</p> <p>Point</p> <ul style="list-style-type: none"> • Automatic approval system of building permit • Short time for the procedure of issuing the building permit <p>b. Schedule of OJT</p> <p>Point</p> <ul style="list-style-type: none"> • According to evaluation results of capability and organization of municipality, the level of OJT is determined. <p>c. Schedule of workshop</p> <p>Point</p> <ul style="list-style-type: none"> • Define the place and time of workshop as soon as possible, using local media. <p>d. Organize the workshop with municipality (See Annex 3)</p>	
2.15	<p>Receive the confirmation letter signed by manager.</p> <p>Note: Trainer should prepare the letter in the name of manager, and get the signature from the manager in front of other attendees during OJT in order to confirm his or her support for this OJT and workshop.</p>	<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">Letter sample</p> <p style="text-align: right;">Date</p> <p>To name of the trainer</p> <p style="text-align: center;">Confirmation Letter</p> <p>I, the name of manger, herewith declare that I provide the full support on implementation of OJT and workshop.</p> <p style="text-align: right;">Signature of the manager</p> </div>
Step 3: Examination		
3.1	<p>Explain and deliver the first examination sheet.</p> <p>Point</p> <p>In order to know how much the trainees have understood, trainer should proceed with the OJT according to the items of examination.</p>	

3.2	On examination																																																																																																																																																																																																																																																																																																																																																																																																																													
3.3	Tabulation of evaluation for examination	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th colspan="20">TABULACION TEST INICIAL</th> </tr> <tr> <th rowspan="2">Preguntas</th> <th colspan="4">MANUAL DE LICENCIA DE OBRA</th> <th colspan="2">PLANOS DE PROTOTIP</th> <th colspan="2">MANUAL DE INSPEC. SIMPLIFIC.</th> <th colspan="5">MANUAL DE VIGILANCIA</th> <th colspan="3">REQUERIMIENTO S MINIMOS</th> <th colspan="2">BANCO DE PROYECT OS</th> <th rowspan="2">TOTAL</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>5</th><th>6</th> <th>7</th><th>8</th> <th>10</th><th>11</th><th>12</th><th>13</th><th>14</th> <th>15</th><th>16</th><th>17</th><th>18</th> <th>19</th><th>20</th> </tr> <tr> <th>Respuesta Correcta</th> <th>a</th><th>b</th><th>a</th><th>a</th> <th>Sub total</th> <th>4</th><th>4</th> <th>Sub total</th> <th>4</th><th>4</th> <th>Sub total</th> <th>4</th><th>4</th><th>4</th><th>4</th> <th>Sub total</th> <th>4</th><th>4</th> <th>Sub total</th> </tr> <tr> <th>Nombre Participante</th> <th colspan="4">Respuesta</th> <th>Resp.</th> <th colspan="2">Resp.</th> <th colspan="5">Respuesta</th> <th colspan="3">Respuesta</th> <th>Resp.</th> <th>Sub total</th> </tr> </thead> <tbody> <tr><td>Participante 1</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>13</td></tr> <tr><td>Participante 2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>15</td></tr> <tr><td>Participante 3</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>14</td></tr> <tr><td>Participante 4</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>13</td></tr> <tr><td>Participante 5</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>15</td></tr> <tr><td>Participante 6</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>14</td></tr> <tr><td>Participante 7</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>12</td></tr> <tr><td>Participante 8</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>11</td></tr> <tr><td>Participante 9</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>13</td></tr> <tr><td>Participante 11</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>11</td></tr> <tr><td>Participante 12</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>12</td></tr> <tr><td>Participante 13</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>12</td></tr> <tr><td>Participante 14</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>a</td><td>4</td><td>a</td><td>a</td><td>2</td><td>13</td></tr> <tr> <td>Total de respuestas correctas</td> <td>4</td><td>4</td><td>4</td><td>4</td> <td>16</td> <td>4</td><td>4</td> <td>8</td> <td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td> <td>16</td> <td>4</td><td>4</td> <td>8</td> <td>152</td> </tr> <tr> <td>Porcentaje (%)</td> <td>100</td><td>100</td><td>100</td><td>100</td> <td>100</td> <td>100</td><td>100</td> <td>100</td> <td>100</td><td>100</td><td>100</td><td>100</td><td>100</td><td>100</td><td>100</td> <td>100</td> <td>100</td><td>100</td> <td>100</td> <td>100</td> </tr> </tbody> </table> <p style="font-size: 6px; margin-top: 5px;"> Nota: El cuadro correspondiente a Prescripci3n por tipo obra evaluado de: a) tipo obra m3nimo; No. de respuestas correctas: 1160 No. de preguntas correctas y No. de participantes: </p>	TABULACION TEST INICIAL																				Preguntas	MANUAL DE LICENCIA DE OBRA				PLANOS DE PROTOTIP		MANUAL DE INSPEC. 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Sub total	Participante 1	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	13	Participante 2	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	15	Participante 3	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	14	Participante 4	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	13	Participante 5	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	15	Participante 6	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	14	Participante 7	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	12	Participante 8	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	11	Participante 9	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	13	Participante 11	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	11	Participante 12	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	12	Participante 13	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	12	Participante 14	a	a	a	a	4	a	a	2	a	a	a	a	a	a	a	4	a	a	2	13	Total de respuestas correctas	4	4	4	4	16	4	4	8	4	4	4	4	4	4	4	16	4	4	8	152	Porcentaje (%)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
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(2) Occasion of Simple Inspection

Step 1: Preparation of OJT Materials								
1.1	<p>What to prepare for materials.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">On the wall</td> </tr> <tr> <td style="padding: 2px;"> 1. Poster <ul style="list-style-type: none"> • Minimum requirements • Prototype drawings • Selection matrix • Shopping list • Dissemination of the process to use prototype drawings for safer housing • Leaflet of building permit • Announcement of OJT </td> </tr> <tr> <td style="padding: 2px;">On the table</td> </tr> <tr> <td style="padding: 2px;"> 2. Prototype drawings <ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list </td> </tr> <tr> <td style="padding: 2px;">3. Manual</td> </tr> <tr> <td style="padding: 2px;"> <ul style="list-style-type: none"> • Building permit • Watching over Construction • Simple inspection </td> </tr> </table>	On the wall	1. Poster <ul style="list-style-type: none"> • Minimum requirements • Prototype drawings • Selection matrix • Shopping list • Dissemination of the process to use prototype drawings for safer housing • Leaflet of building permit • Announcement of OJT 	On the table	2. Prototype drawings <ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list 	3. Manual	<ul style="list-style-type: none"> • Building permit • Watching over Construction • Simple inspection 	
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1. Poster <ul style="list-style-type: none"> • Minimum requirements • Prototype drawings • Selection matrix • Shopping list • Dissemination of the process to use prototype drawings for safer housing • Leaflet of building permit • Announcement of OJT 								
On the table								
2. Prototype drawings <ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list 								
3. Manual								
<ul style="list-style-type: none"> • Building permit • Watching over Construction • Simple inspection 								
Step 2: Start the OJT of Simple Inspection								
2.0	<p>Give a brief review of previous lesson. (For example, previous lesson is minimum requirements for safer housing)</p>							
2.1	<p>Introduce the simple inspection.</p> <p>Point</p> <ul style="list-style-type: none"> • Necessary knowledge for making a simple inspection (chapter 1) • Practical procedures for making a simple inspection at the preparation and inspection stages (chapter 2) 							

2.2	<p>Explain chapter 1 of simple inspection.</p> <p>a. Explain the terminology used in the manual, which is easy even for non technical officials to understand.</p> <p>b. Explain what the simple inspection is all about.</p>	
2.3	<p>Explain chapter 2 of simple inspection.</p> <p>a. Explain the preparation of simple inspection</p> <p>b. Explain the schedule at 4 stages of site inspection in detail, regarding 1st stage of foundation, 2nd stage of wall, 3rd stage of roof, and 4th stage of completion.</p>	
2.4	<p>Explain how to use the checklist.</p> <p>a. Explain the checklist in detail, item by item, at each stage of site inspection.</p> <p>b. Emphasize the relation between the minimum requirements and real situation of construction site at site inspection at 4 stages.</p>	
Step 3: Site Inspection at the Field		
3.1	<p>Preparation of material for site inspection.</p> <ul style="list-style-type: none"> • Prototype drawings • Manual of watching over construction • Manual of site inspection • Copy of checklist for simple inspection • Building permit application • Measurement 	

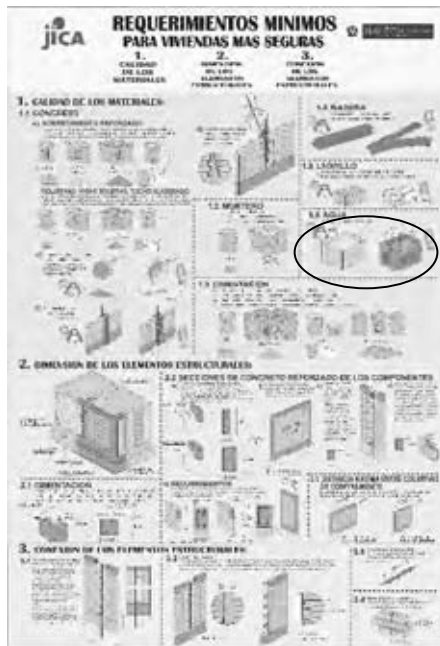
3.2

This is an example of site inspection for stage 2 of wall work.

a. Explain the characteristics of industrial brick, using the minimum requirements

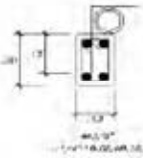


b. Explain water use in construction, using the minimum requirements



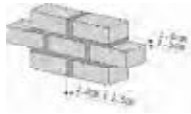
c. Explain the placing of stirrups in the beam, using checklist, “Annex 1: *Lista de Verificacion para inspeccion, No. 12*”



ACTIVITY	DESCRIPTION	MINIMUM REQUIREMENTS	ILLUSTRATION	No.	SATISFACTORY	NO CONFORME	OBSERVACIONES
BEAM: STEEL DIAMETER	3/8" STEEL WITH 1/4" STIRRUPS ONE AT 5CM, 4 AT 10 CM. AND THE OTHERS AT 25 CM IN BOTH DIRECTIONS.	2.2 c)		12			

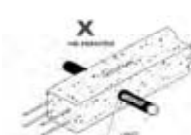
d. Explain the mortar joint between bricks, using checklist, “Annex 1: *Lista de Verificacion para inspeccion, No. 14*”



ACTIVITY	DESCRIPTION	MINIMUM REQUIREMENTS	ILLUSTRATION	No.	SATISFACTORY	NO CONFORME	OBSERVACIONES
MORTAR JOINT THICKNESS	JOINT THICKNESS BETWEEN BRICKS BETWEEN 1 and 1.5 CM	3.4		14			

e. Explain the plastic pipes, using checklist, “Annex 1: *Lista de Verificacion para inspeccion, No. 18*”








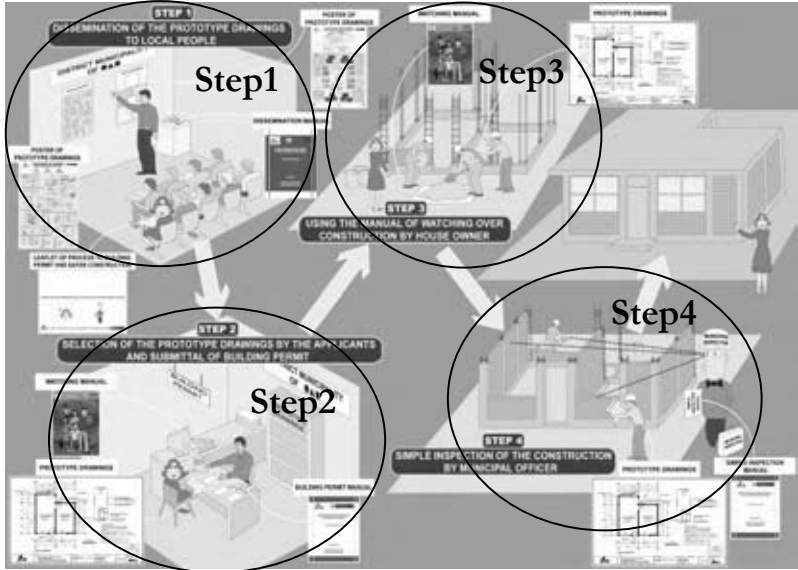
ACTIVITY	DESCRIPTION	MINIMUM REQUIREMENTS	ILLUSTRATION	No.	SATISFACTORY	NO CONFORME	OBSERVACIONES
INSTALLATIONS SHOULD NOT CUT MEMBERS	VERIFY THAT ELECTRIC, WATER AND DRAINAGE PIPELINES ARE LOCATED IN WALLS AND NOT IN BEAMS/COLUMNS.			18			

3.3 Suggest using the manual of construction supervision to the owners or construction workers.



3.2.2 Process of Workshop for Local People in Pictures

Step 1: Preparation of Workshop												
1.1	<p>What to prepare for materials.</p> <table border="1" data-bbox="300 528 900 1234"> <tr> <td colspan="2">On the wall</td> </tr> <tr> <td>1. Poster</td> <td> <ul style="list-style-type: none"> • Minimum requirements • Prototype drawings • Selection matrix • Shopping list • Dissemination of the process to use prototype drawings for safer housing • Leaflet of building permit • Announcement of workshop </td> </tr> <tr> <td colspan="2">On the table</td> </tr> <tr> <td>2. Prototype drawings</td> <td> <ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list </td> </tr> <tr> <td>3. Manual</td> <td> <ul style="list-style-type: none"> • Building permit • Watching over Construction • Simple inspection </td> </tr> </table>	On the wall		1. Poster	<ul style="list-style-type: none"> • Minimum requirements • Prototype drawings • Selection matrix • Shopping list • Dissemination of the process to use prototype drawings for safer housing • Leaflet of building permit • Announcement of workshop 	On the table		2. Prototype drawings	<ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list 	3. Manual	<ul style="list-style-type: none"> • Building permit • Watching over Construction • Simple inspection 	
On the wall												
1. Poster	<ul style="list-style-type: none"> • Minimum requirements • Prototype drawings • Selection matrix • Shopping list • Dissemination of the process to use prototype drawings for safer housing • Leaflet of building permit • Announcement of workshop 											
On the table												
2. Prototype drawings	<ul style="list-style-type: none"> • CD • Selection matrix • Drawings • Shopping list 											
3. Manual	<ul style="list-style-type: none"> • Building permit • Watching over Construction • Simple inspection 											
Step 2: Start the Workshop												
2.1	<p>Start when local people have gathered in the venue..</p> <p>Attendees are:</p> <ul style="list-style-type: none"> • Mayor or municipality manager • All officers of public works section including the chief • Local People 											
2.2	<p>Start with opening remarks from mayor or municipal manager.</p>											

<p>2.3</p>	<p>Start presentation.</p> <p>Point</p> <ol style="list-style-type: none"> 1. What JICA is 2. JICA local counterpart, MVCS 3. JICA study team provides the technical support to MVCS, regional government, and municipalities for housing reconstruction. 	
<p>2.4</p>	<p>Explain prototype drawings of confined masonry housing.</p> <p>Point</p> <ul style="list-style-type: none"> • Variety of drawings, 64 types (4 types of floor plan for different value × 16 types of different condition such as soil condition, roofing, and electricity and sanitary installation) • Free drawings by Project Bank • Explain contents of the selection matrix, prototype drawings, and shopping list 	
<p>2.5</p>	<p>Explain the process, using the poster of dissemination of the process to use prototype drawings for safer housing.</p>	





Step 1: Dissemination of prototype drawings

- Inform local people of prototype drawings
- Persuade local people to use the prototype drawings by applying for a building permit through Project Bank
- Explain the importance of building permit application

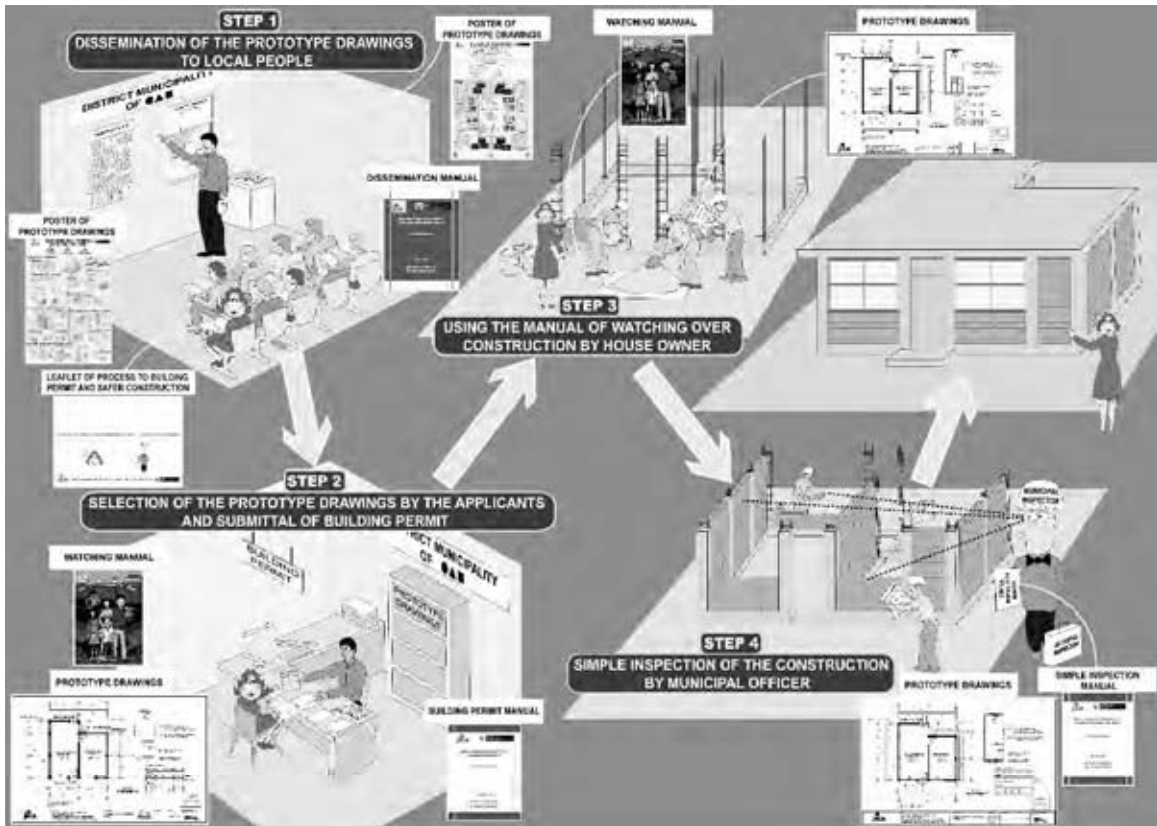
Step 2: Applying for the building permit at the municipality

- Selection of prototype drawings
- Show the role game (see pp. 2-5 to explain the easy way of selection of prototype drawings and easy issue of building permit by Project Bank)



	<p>Step 3: Watching over Construction</p> <ul style="list-style-type: none"> • Municipality provides applicants with the manual of construction supervision with building permit. • Explain the characteristics (important points of construction) of and emphasize the ease of understanding (descriptions are accompanied by many illustrations) the manual of construction supervision. • Show 2 or 3 specific examples of using the manual of construction supervision and the minimum requirements. 	
	<p>Step 4: Site Inspection</p> <ul style="list-style-type: none"> • Discuss the importance of inspection by municipality • Show the checklist of site inspection 	
<p>2.6</p>	<p>Final Comments on importance of safer housing.</p>	
<p>2.7</p>	<p>Question and Answer Portion.</p>	

3.3 Section 3: Guideline of Practical Use of Prototype Drawings and Three kinds of Manual for Safer Housing at the Building Permit Administration



3.3.1 Step 1: Dissemination of the Prototype Drawings to Local People

(1) Materials to use in Step 1:

Materials for reference of municipal officer:

- Gear of capacity development of the prototype drawings for safer housing.
- Manual of improved building permit for safer housing.
- Manual of simple inspection for safer housing.
- Manual of construction supervision for safer housing.
- Leaflet of dissemination of prototype drawings for safer housing.
- Poster of prototype drawings for safer housing.
- Poster of minimum requirements for safer housing.
- Prototype drawings for safer housing.

Materials to show in the dissemination session:

- Manual of construction supervision for safer housing.
- Leaflet of dissemination of prototype drawings for safer housing.
- Poster of prototype drawings for safer housing.
- Poster of minimum requirements for safer housing.
- Prototype drawings for safer housing.

(2) Pointers for using the prototype drawings

The municipality organizes and implements a workshop to disseminate the use of the prototype drawings for safer housing. The prototype drawings are applied to building permit by applicants. The prototype drawings are registered on Project Bank. Therefore the building permit is issued automatically.

(3) Methodology of dissemination

Person in municipality in charge of implementation of workshop makes full use of all the materials mentioned above.

For more details of this activity, see section 3.2.2, Workshop for Local People, in the gear of capacity development of the prototype drawings for safer housing.

3.3.2 Step 2: Selection of the Prototype Drawings by the Applicants and Submittal of Building Permit

(1) Materials to use in Step 2:

Materials for reference of trainer:

- Gear of capacity development of the prototype drawings for safer housing.
- Manual of improved building permit for safer housing.
- Manual of simple inspection for safer housing.
- Manual of construction supervision for safer housing.
- Leaflet of dissemination of prototype drawings for safer housing.
- Poster of prototype drawings for safer housing.
- Poster of minimum requirements for safer housing.
- Prototype drawings for safer housing.

Materials to show in the building permit section:

- Prototype drawings for safer housing (which include matrix of selection, prototype drawings and shopping list)
- Manual of construction supervision for safer housing.
- Poster of prototype drawings for safer housing.
- Poster of minimum requirements for safer housing.

- (2) Procedure of selection of the prototype drawings by the applicants of building permit:

When people are interested in the use of the prototype drawings for safer housing, they go to building permit section in municipality to apply for a building permit. The officer shall check the following:

- a) Manual of improved building permit system for safer housing contains the following chapters pertinent to step 2:

- ❖ The requirements for application of building permit in municipality, as shown in Chapter 1, Pages 1-2 and 1-3¹.
- ❖ The characteristics and the process of selection of the prototype drawings for safer housing, as shown in Chapter 3, Page 3-3.
- ❖ The adequate prototype drawings to be used by applicants according to their particular conditions, as shown in Annex 3, matrixes of selection.

- b) Example of selection of the prototype drawings according to particular conditions of applicants:

The particular conditions of applicants are needed in the process of selection of prototype drawings. As an example, following conditions are presented:

¹ According to the Regulation of the Law No. 29090 published on September 26th, 2008; the requirements in the case of **prototype drawings for safer housing** which are part of Project Bank of municipality are:

Art 50.- Building Permit Requirements – Modality A

- Location drawing
- FUE (Application Format)
- Literal copy of domini (owner's title submitted by Public Registry)
- Prototype drawings for safer housing
- Urban parameters

- Available money of applicant = BONO 6000
- Quality of the soil = Bad soil (sandy)
- Type of roofing = Cane and layer of mud
- Electrical installations = Available
- Sanitary installations = Not available (the construction of one latrine is not considered in this example)

FIRST, using the matrix of selection mentioned above a), the officer can know which prototype drawing is adequate for applicant. The officer shall check the Matrix of Selection of Prototype Drawings for Prototype 1 (because the available money of applicant is S/ 6,000).

MATRIZ PROTOTIPO N° 1

PROYECTO: ESTUDIO DE RECONSTRUCCION CON VIVIENDAS SISMORRESISTENTE EN LA REPUBLICA DEL PERU
UBICACIÓN: PUEBLO NUEVO - LA TINGUITÑA - INDEPENDENCIA

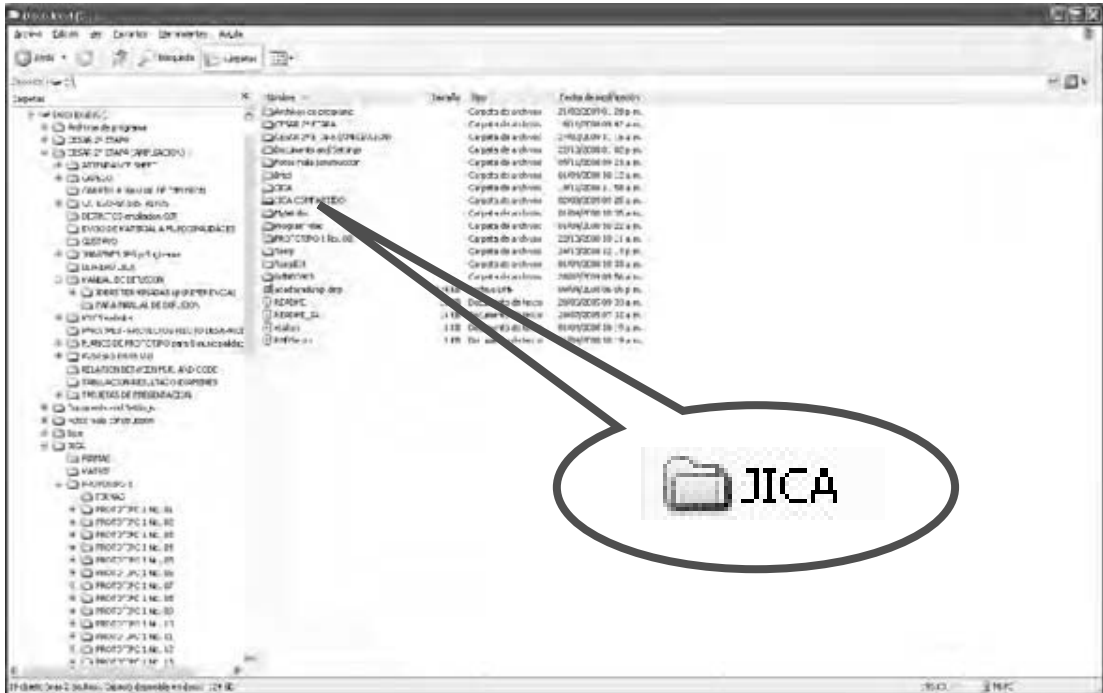
AREA DE CONSTRUCCION	TIPO DE SUELO / CIMENTACION		TIPO DE TECHO	INSTALACIONES ELECTRICAS	TIPO DE INSTALACIONES SANITARIAS	CODIFICACION	COSTO S/.	COSTO S/ INCL. IGV
	CARACTERISTICAS	SOBRECIMIENTO						
PROTOTIPO 1 BONO 6000	REGULAR RESISTENCIA MATERIAL GRANULAR CON BOLOMERIA DE PIEDRA CHICA A GRANDE s Suelo Admisible 1.2 @ 1Mas.kg/cm2	SIMPLE	LOSA ALIGERADA DE CONCRETO ARMADO	DISPONIBLE	CON LETRINA	PROTOTIPO 1 No. 01	6,844.82	8,145.34
					SIN LETRINA	PROTOTIPO 1 No. 02	5,900.64	7,021.77
				NO DISPONIBLE	CON LETRINA	PROTOTIPO 1 No. 03	6,408.71	7,626.37
					SIN LETRINA	PROTOTIPO 1 No. 04	5,464.53	6,502.79
			TECHO LIGERO CON CAÑA DE GUAYAQUIL Y TORTA DE BARRIO	DISPONIBLE	CON LETRINA	PROTOTIPO 1 No. 05	5,837.60	7,065.75
					SIN LETRINA	PROTOTIPO 1 No. 06	4,993.42	5,942.17
				NO DISPONIBLE	CON LETRINA	PROTOTIPO 1 No. 07	5,501.49	6,546.77
					SIN LETRINA	PROTOTIPO 1 No. 08	4,557.31	5,423.20
	BAJA RESISTENCIA ARENA O ARCILLA SIN BOLOMERIA DE PIEDRA s Suelo Admisible 0.8 @ 1.2 kg/cm2	REFORZADO	LOSA ALIGERADA DE CONCRETO ARMADO	DISPONIBLE	CON LETRINA	PROTOTIPO 1 No. 09	7,102.45	8,451.92
					SIN LETRINA	PROTOTIPO 1 No. 10	6,158.27	7,328.34
				NO DISPONIBLE	CON LETRINA	PROTOTIPO 1 No. 11	6,666.34	7,932.95
					SIN LETRINA	PROTOTIPO 1 No. 12	5,722.16	6,809.57
			TECHO LIGERO CON CAÑA DE GUAYAQUIL Y TORTA DE BARRIO	DISPONIBLE	CON LETRINA	PROTOTIPO 1 No. 13	6,195.23	7,372.32
					SIN LETRINA	PROTOTIPO 1 No. 14	5,251.05	6,248.75
				NO DISPONIBLE	CON LETRINA	PROTOTIPO 1 No. 15	5,759.12	6,853.35
					SIN LETRINA	PROTOTIPO 1 No. 16	4,814.94	5,729.78

In this case, the officer finds the adequate prototype drawings for the case of the applicant: **PROTOTYPE 1 No. 14**

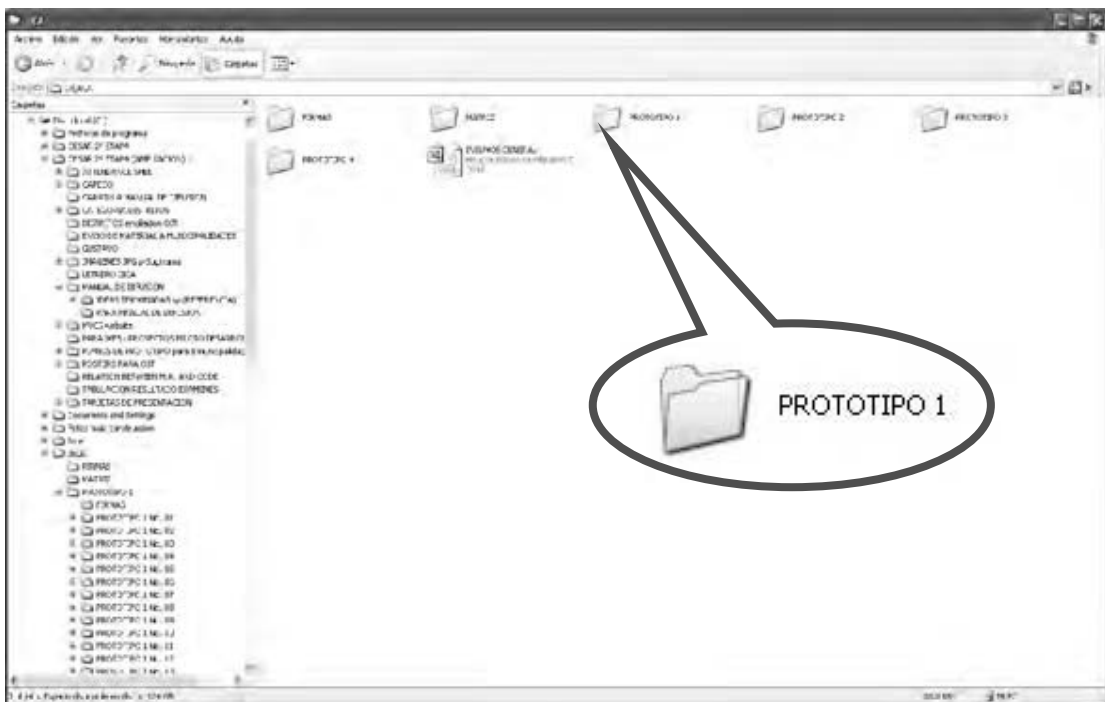
SECOND, once the prototype drawing is identified, the officer proceeds to locate in the computer and print out all the drawings in A4 format. In this case, architectural, structural and electrical installations drawings are needed.

1. Locating the prototype drawings for safer housing in computer

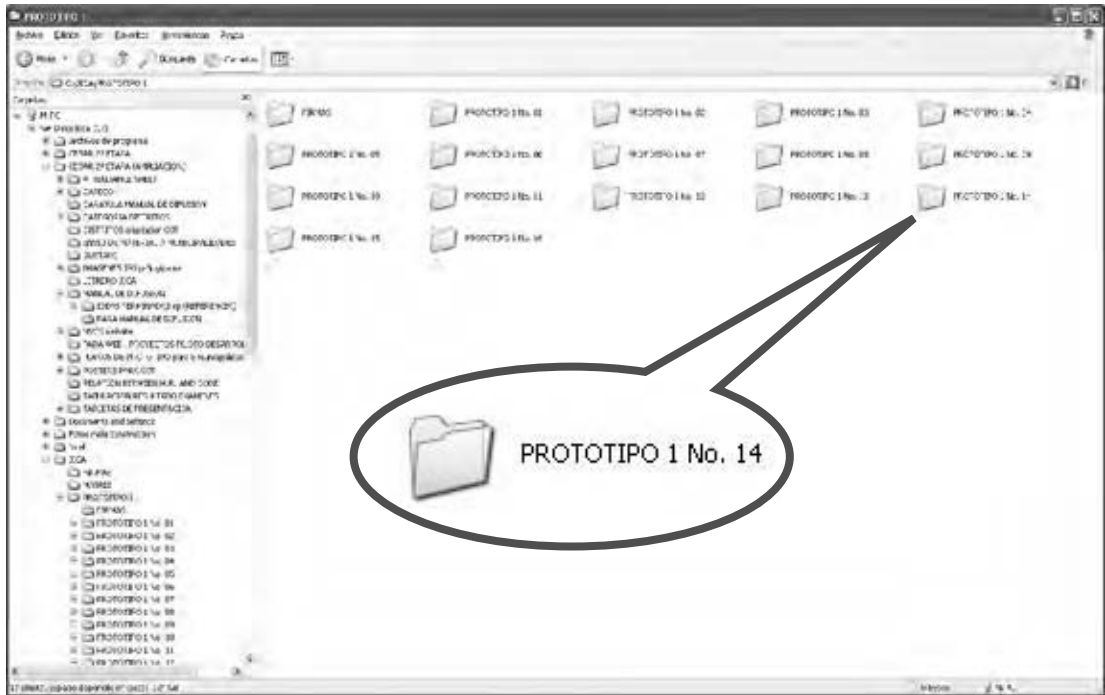
- ❖ Open folder JICA in local hard disk C



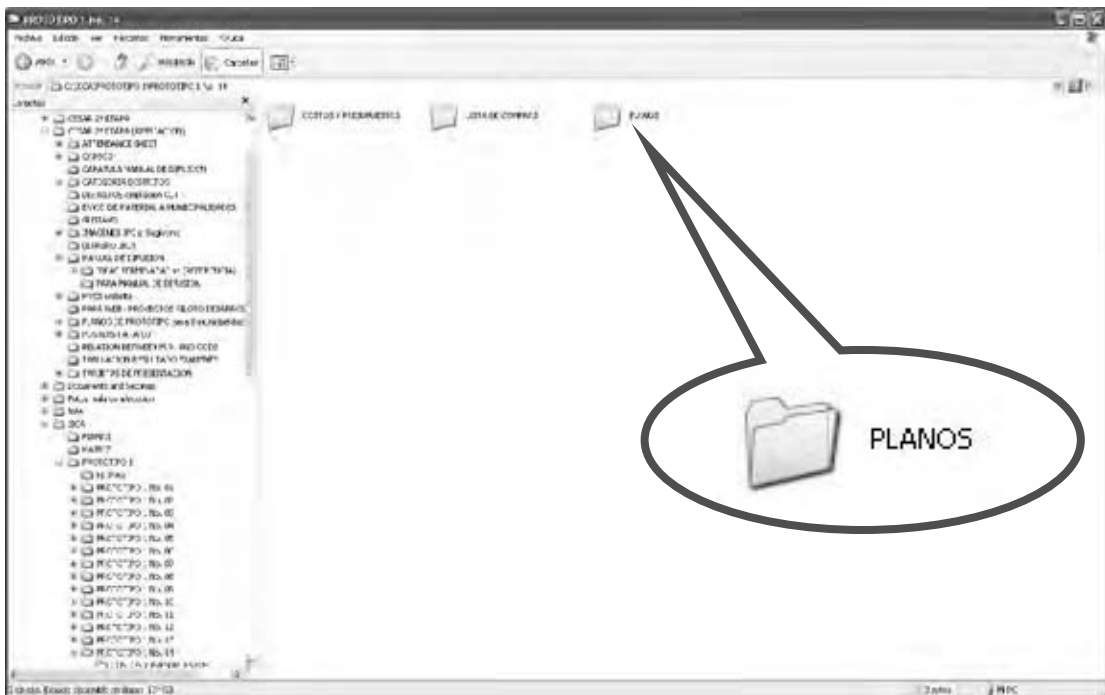
- ❖ Open folder PROTOTIPO 1



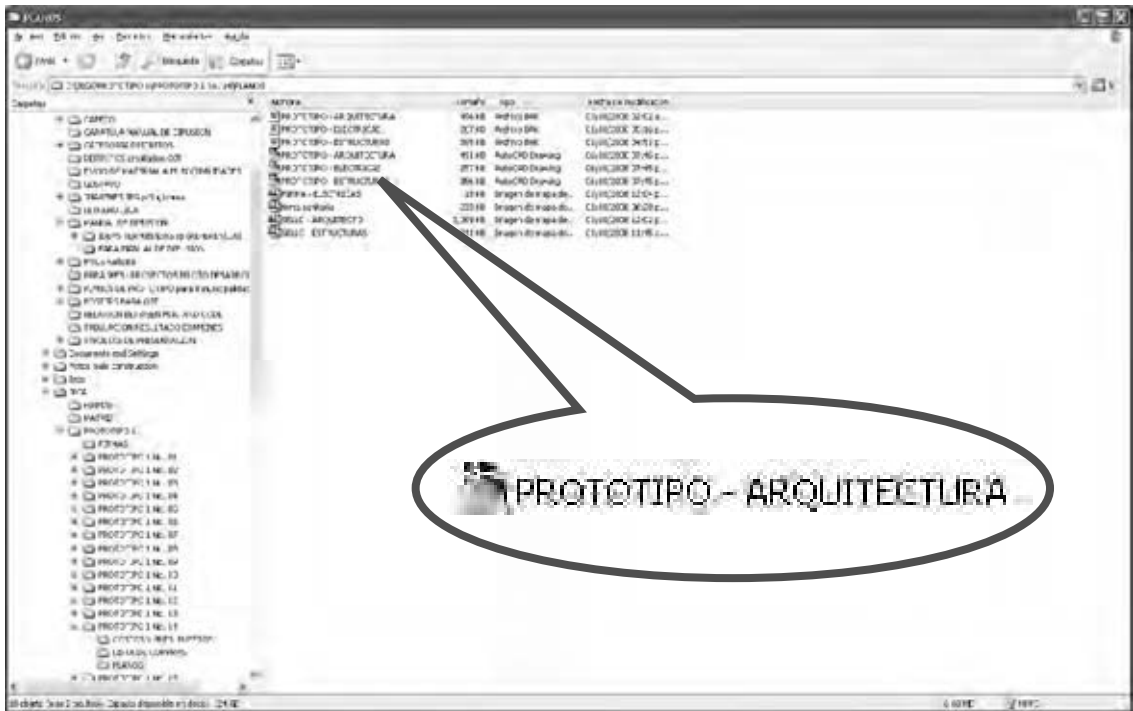
❖ Open folder PROTOTIPO 1 No. 14



❖ In the folder PROTOTIPO 1 No. 14, open folder PLANOS to find all the prototype drawings

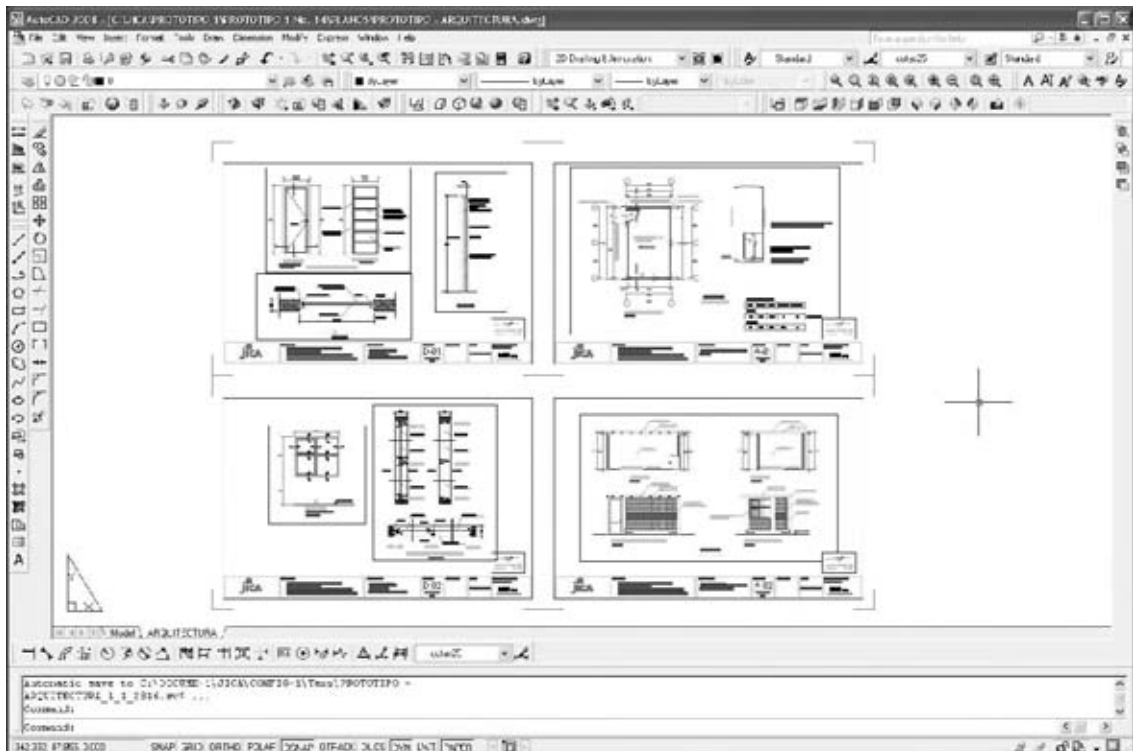


- ❖ In the folder PLANOS, open the files of AutoCAD. Here all the drawings corresponding to this prototype drawing are shown

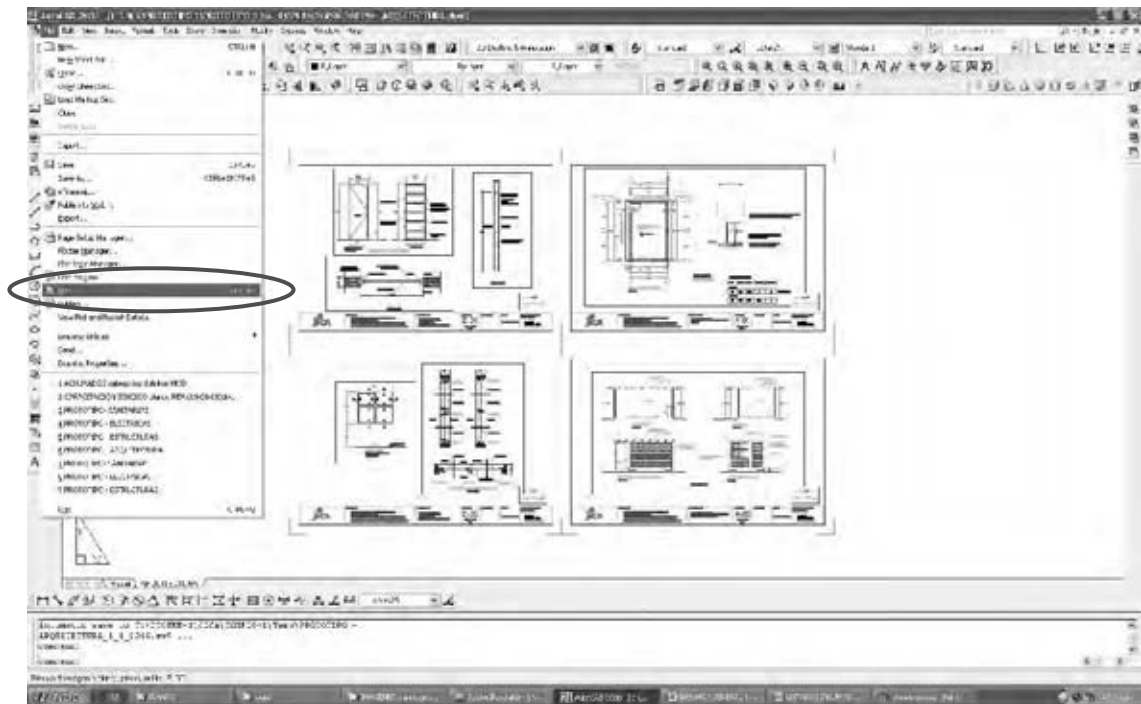


2. Print out the prototype drawings for safer housing in computer

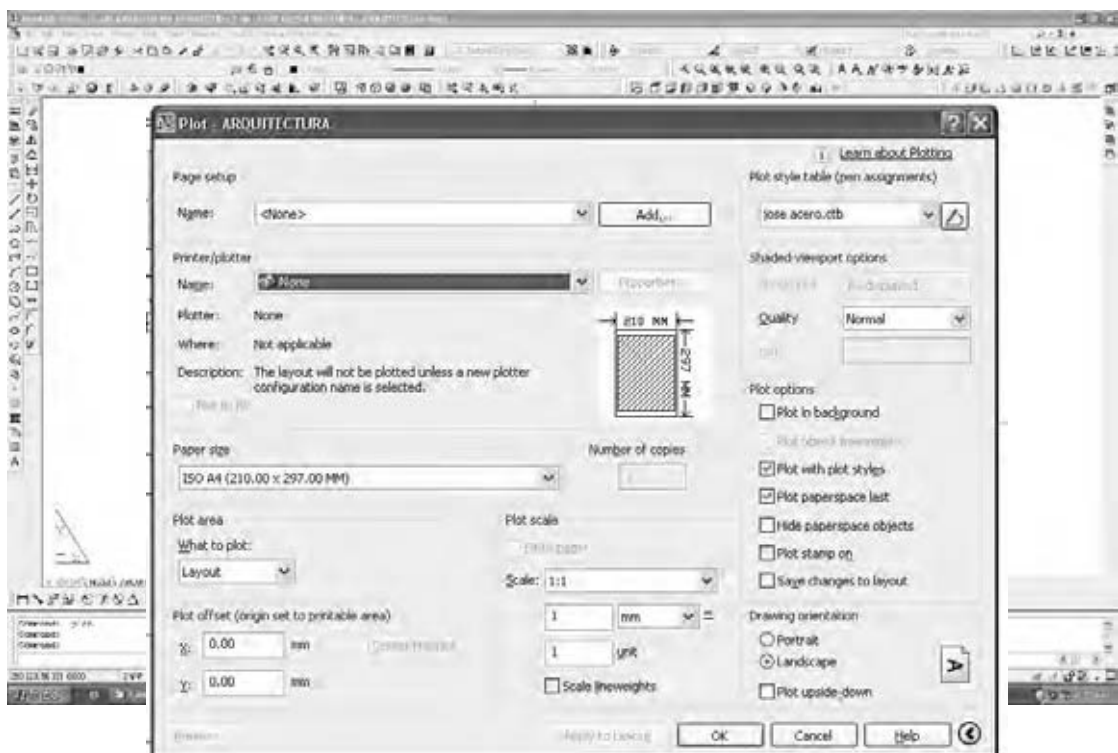
- ❖ Once the AutoCAD files of the drawing (e.g. Architectural drawing) are opened, the architectural drawings are shown on the screen



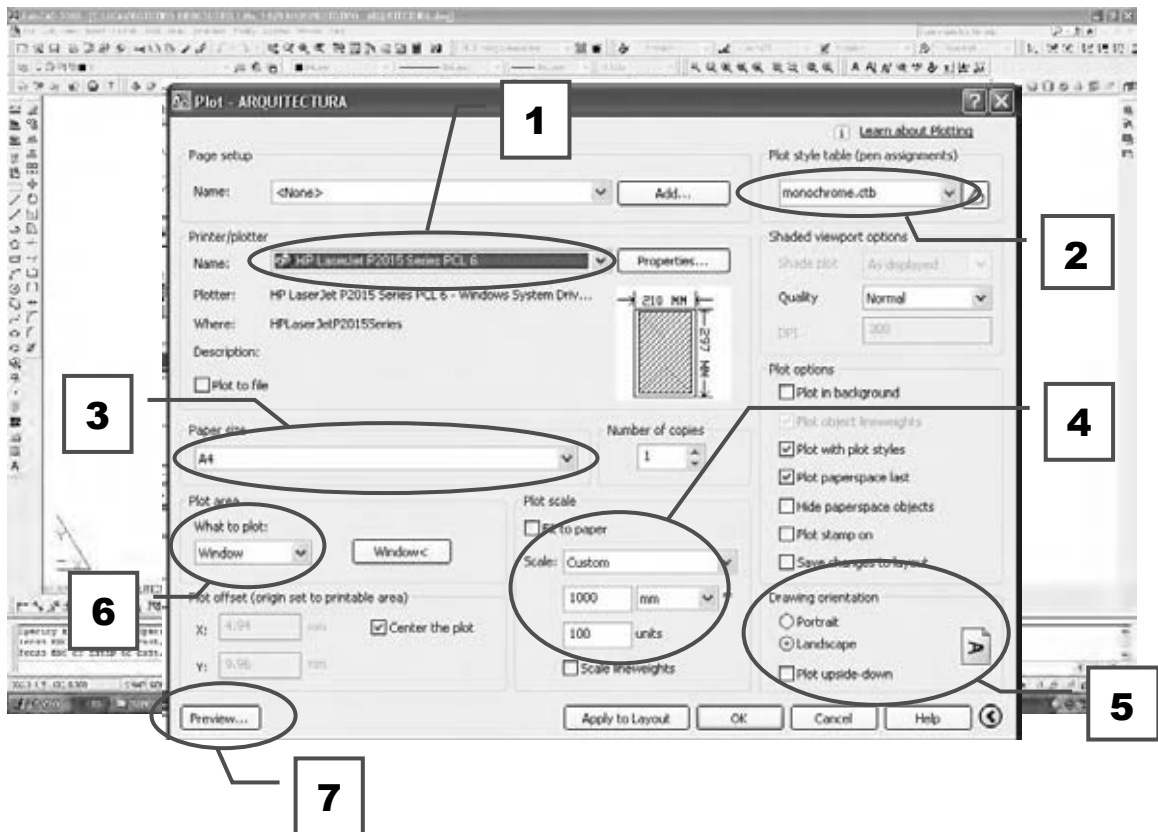
❖ Click on the option to print out: File/Plot...



❖ The options of printing are shown

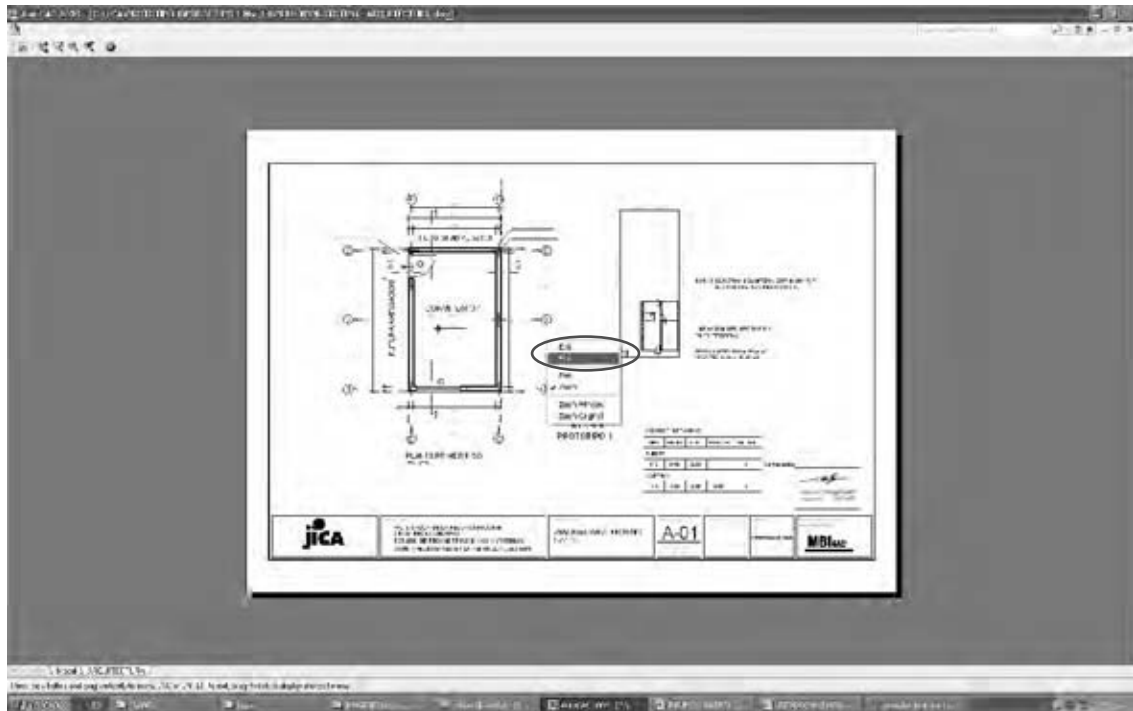


- ❖ The options shall be changed as shown here. Select the option WINDOW and select the drawing to be printed out



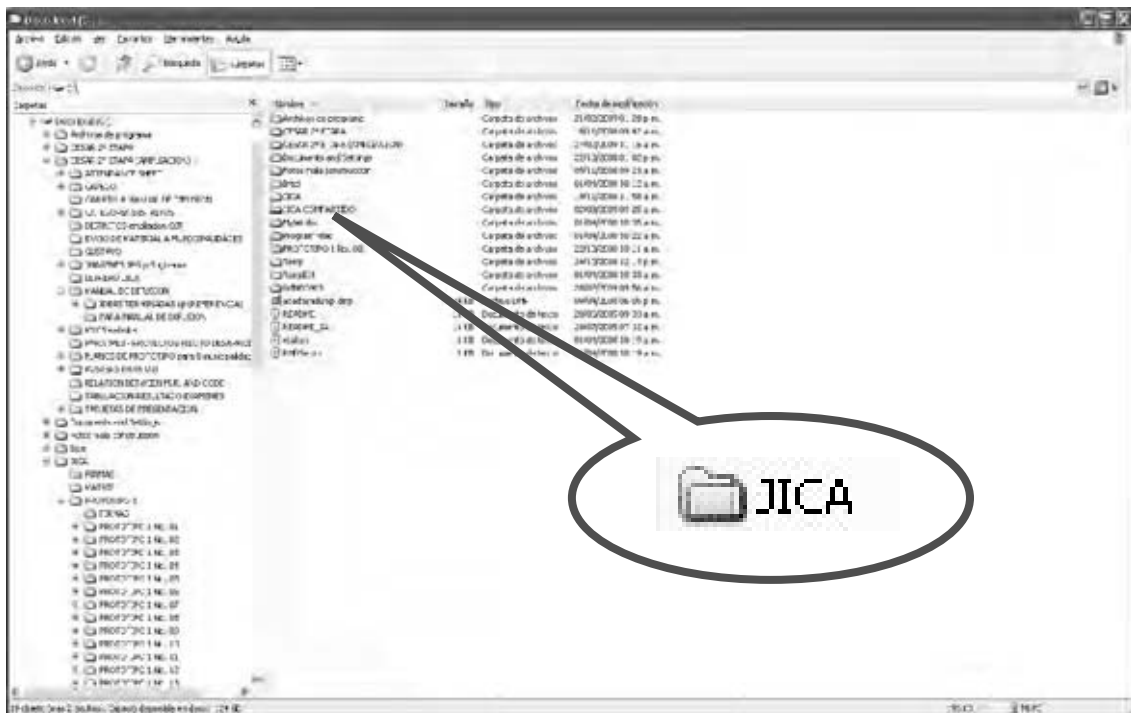
1. Select available printer
2. Select option "monochrome.ctb"
3. Select paper size: A4
4. Select scale as shown
5. Select orientation of paper
6. Select option "Window" to select the drawing to be printed out
7. Click on "Preview" to check the drawing to be printed out

- ❖ In this preview image, by right click and option “Plot” the drawing is printed out

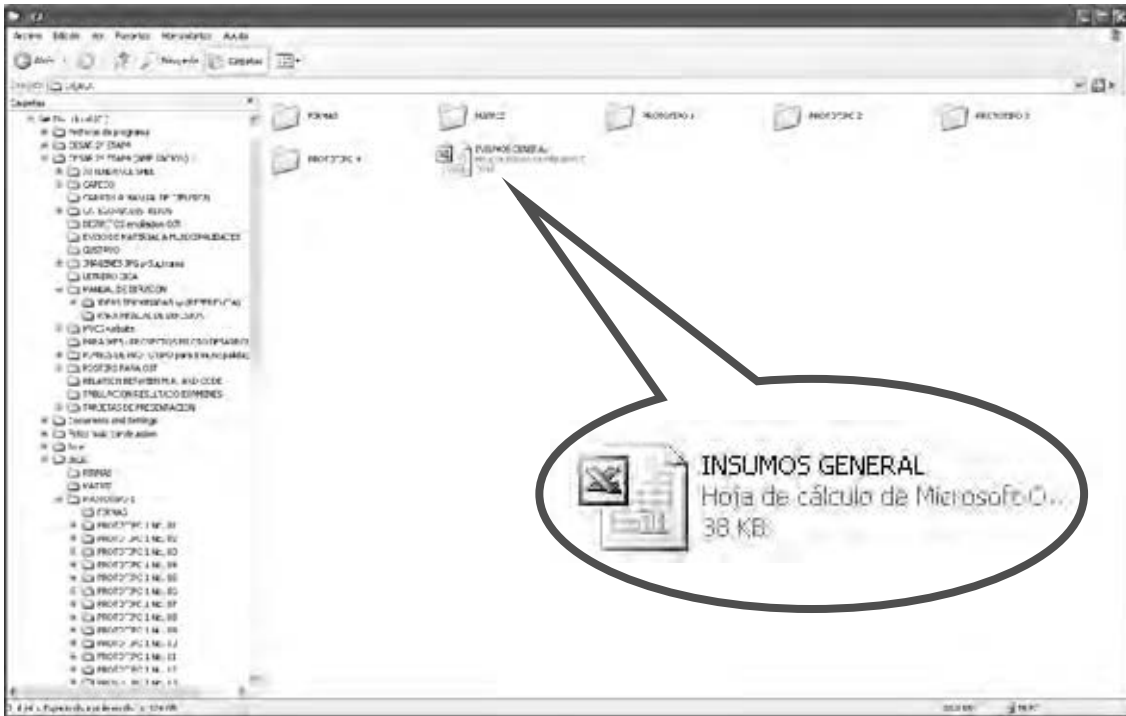


3. Locating file for updating of materials of construction in computer

- ❖ Open folder JICA in local hard disk C



- ❖ Open the file INSUMOS GENERAL in Excel program

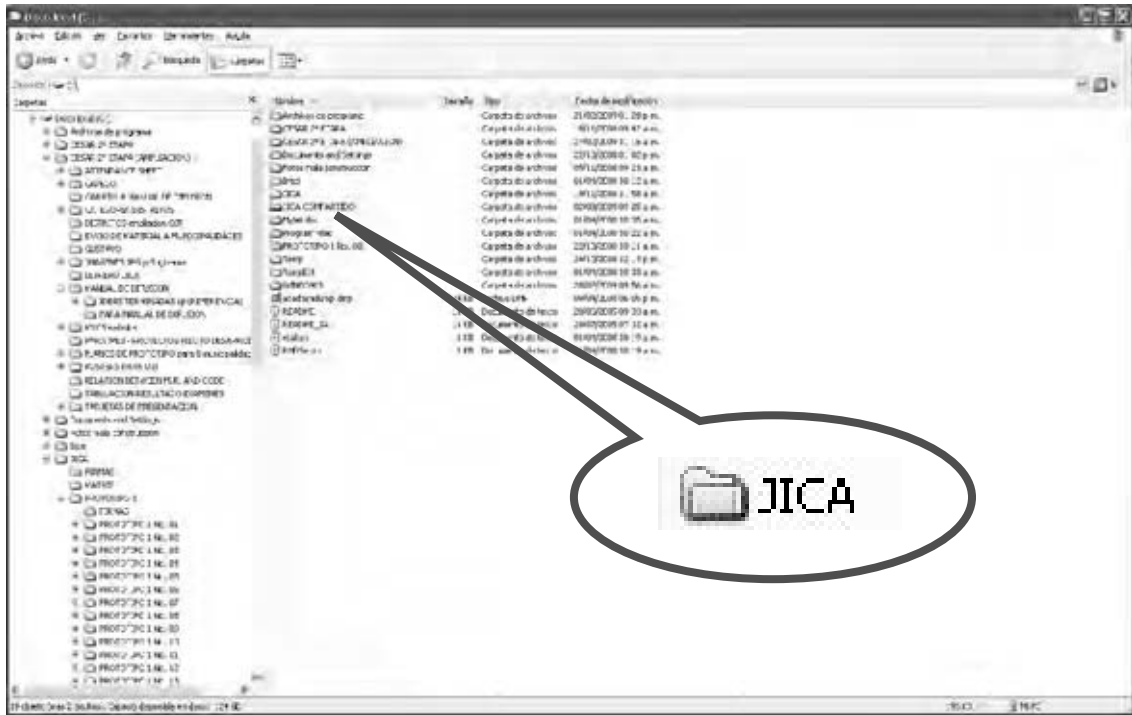


- ❖ Update the prices of the materials in the column corresponding to COST

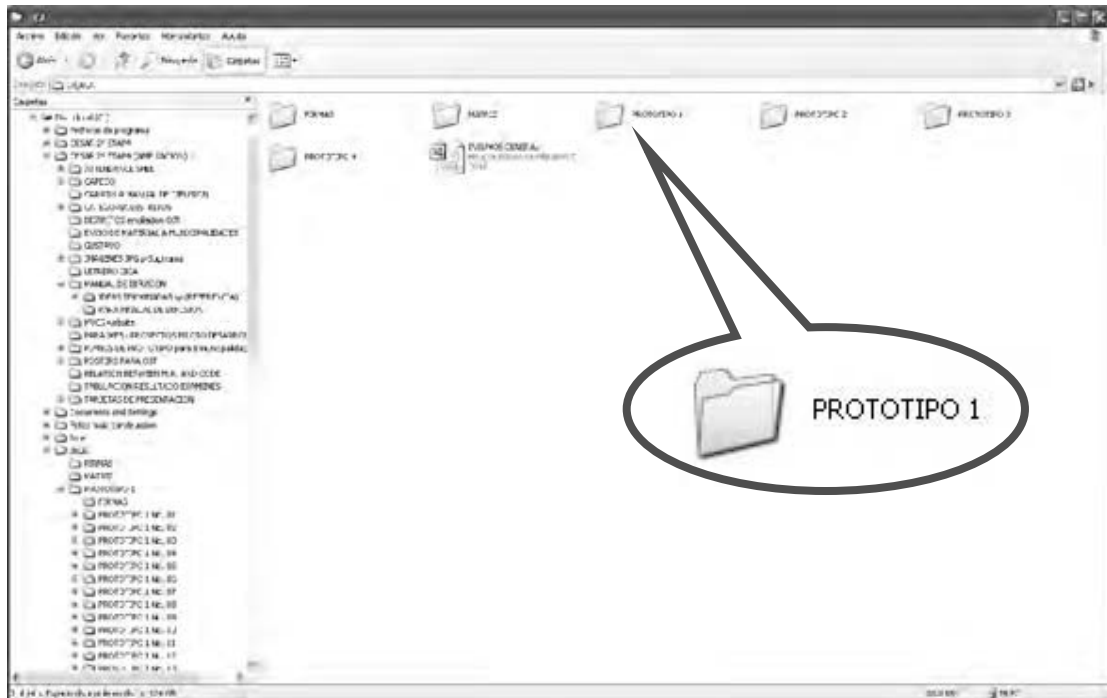
MATERIALES	UNO	COSTO S/.	OBSERVACIONES
AGUARRAMBIENTE			
Acero perfilado galvalum 1.5x3	m	14.70	
Alfombra	m ²	3.00	
ALUMINIO			
Aluminio	m	24.30	
Aluminio	m	25.00	
Aluminio	m	24.50	
Aluminio	m	43.50	
Aluminio	m	23.00	
Aluminio	m	23.10	
ALUMINIO			
Aluminio perfilado # 6	m	4.62	
Aluminio perfilado # 8	m	4.62	
Aluminio perfilado # 10	m	3.76	
Aluminio perfilado # 12	m	2.88	
Aluminio perfilado # 14	m	4.62	
Aluminio perfilado # 16	m	4.62	
Aluminio perfilado # 18	m	4.62	
Aluminio perfilado # 20	m	4.62	
Aluminio perfilado # 22	m	4.62	
Aluminio perfilado # 24	m	4.62	
Aluminio perfilado # 26	m	4.62	
Aluminio perfilado # 28	m	4.62	
Aluminio perfilado # 30	m	4.62	
Aluminio perfilado # 32	m	4.62	
Aluminio perfilado # 34	m	4.62	
Aluminio perfilado # 36	m	4.62	
Aluminio perfilado # 38	m	4.62	
Aluminio perfilado # 40	m	4.62	
Aluminio perfilado # 42	m	4.62	
Aluminio perfilado # 44	m	4.62	
Aluminio perfilado # 46	m	4.62	
Aluminio perfilado # 48	m	4.62	
Aluminio perfilado # 50	m	4.62	
Aluminio perfilado # 52	m	4.62	
Aluminio perfilado # 54	m	4.62	
Aluminio perfilado # 56	m	4.62	
Aluminio perfilado # 58	m	4.62	
Aluminio perfilado # 60	m	4.62	
Aluminio perfilado # 62	m	4.62	
Aluminio perfilado # 64	m	4.62	
Aluminio perfilado # 66	m	4.62	
Aluminio perfilado # 68	m	4.62	
Aluminio perfilado # 70	m	4.62	
Aluminio perfilado # 72	m	4.62	
Aluminio perfilado # 74	m	4.62	
Aluminio perfilado # 76	m	4.62	
Aluminio perfilado # 78	m	4.62	
Aluminio perfilado # 80	m	4.62	
Aluminio perfilado # 82	m	4.62	
Aluminio perfilado # 84	m	4.62	
Aluminio perfilado # 86	m	4.62	
Aluminio perfilado # 88	m	4.62	
Aluminio perfilado # 90	m	4.62	
Aluminio perfilado # 92	m	4.62	
Aluminio perfilado # 94	m	4.62	
Aluminio perfilado # 96	m	4.62	
Aluminio perfilado # 98	m	4.62	
Aluminio perfilado # 100	m	4.62	

4. Locating file for shopping list of materials in computer

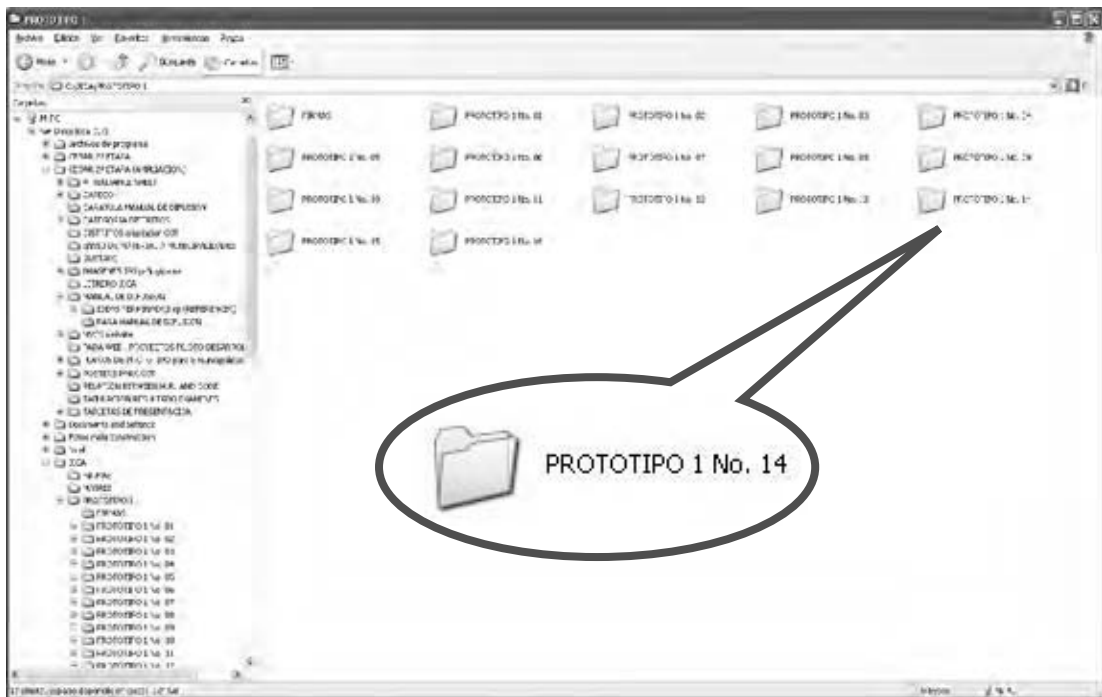
- ❖ Open folder JICA in local hard disk C



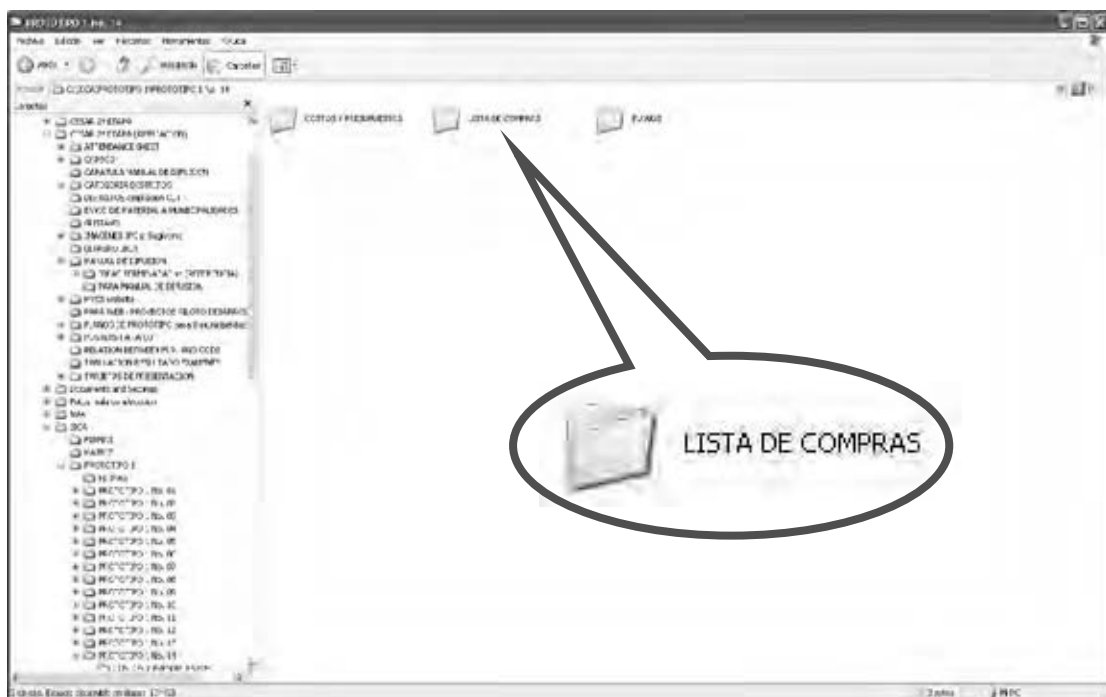
- ❖ Open folder PROTOTIPO 1



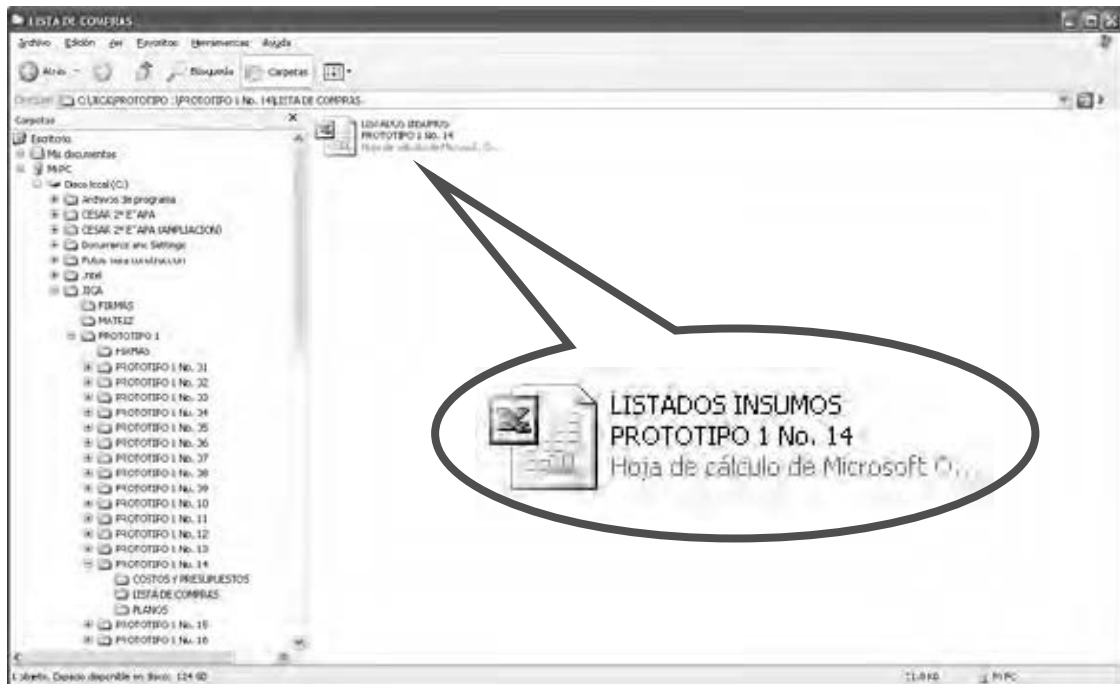
❖ Open folder PROTOTIPO 1 No. 14



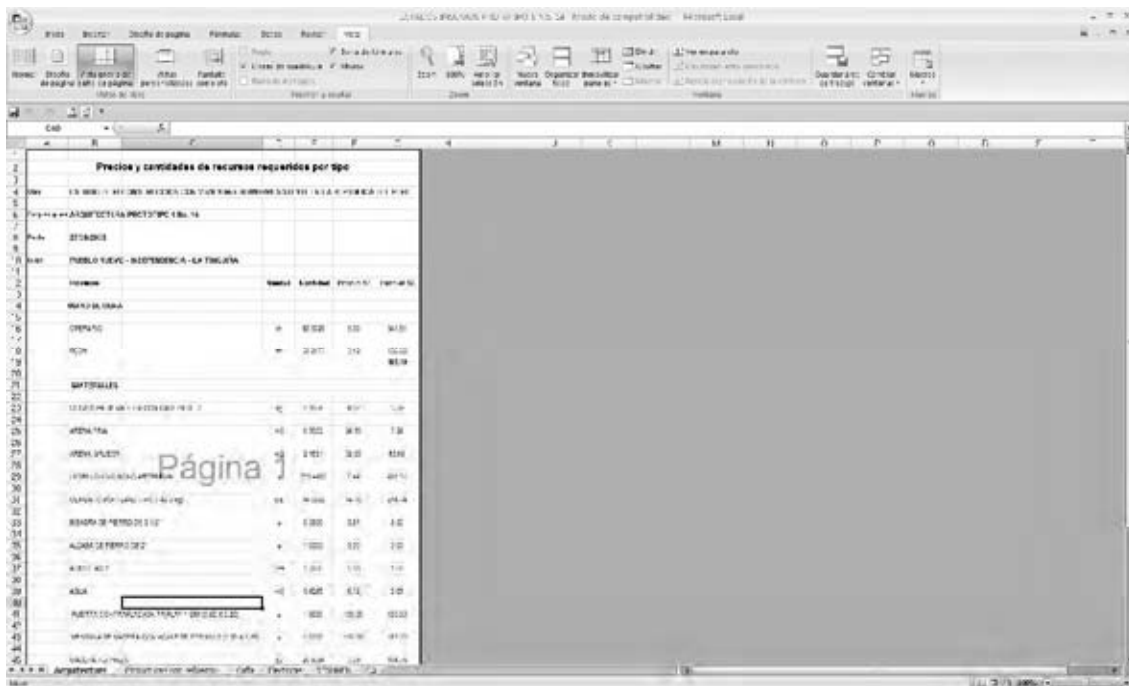
❖ In the folder PROTOTIPO 1 No. 14, open folder LISTA DE COMPRAS



- ❖ In the folder LISTA DE COMPRAS, open file LISTADO INSUMOS PROTOTIPO 1 No. 14



- ❖ Print out the shopping list of materials



5. Delivery of the drawings and related materials to the applicants

When issuing the building permit, building permit section provides the applicants with the selected prototype drawings, construction materials shopping list and supervision manual. The municipal officers shall explain the use of supervision manual to applicants.

3.3.3 Step 3: Use of the Manual of Construction Supervision by the House Owner

(1) Materials to use in Step 3

Materials for reference of municipal officer:

- Gear of capacity development of the prototype drawings for safer housing.
- Manual of improved building permit for safer housing.
- Manual of simple inspection for safer housing.
- Manual of watching over construction for safer housing.
- Leaflet of dissemination of the prototype drawings for safer housing.
- Poster of the prototype drawings for safer housing.
- Poster of minimum requirements for safer housing.
- Prototype drawings for safer housing.

Materials for use by house owner in construction:

- Prototype drawings for safer housing.
- Manual of watching over construction for safer housing.
- Leaflet of dissemination of prototype drawings for safer housing.

(2) Procedure of using the manual of watching over construction for safer housing

When house owners use **the manual of watching over construction** for safer housing, they shall check for the following:

- ❖ The general points of the manual indicate the objective and benefits of using the manual as shown in Chapter 1, Page 9.
- ❖ The table of contents indicates watching points according to the construction process as shown in Page 7.
- ❖ The Minimum Requirements for safer housing are shown in pages 10 to 13. Also, check the minimum requirements by poster located between Pages 12 and 13 as shown in Chapter 2.
- ❖ Use the watching manual in all the construction process shown in Chapter 3, Pages 14 to 48.
- ❖ This manual can be used as a check list to verify the construction process. In the bottom of every page the owner can check if the result of the watching is good or bad.

3.3.4 Step 4: Simple Inspection of the Construction by Municipal Officer

(1) Materials to use in Step 4

Materials for reference of municipal officer:

- Gear of capacity development of the prototype drawings for safer housing.
- Manual of improved building permit for safer housing.
- Manual of simple inspection for safer housing.
- Manual of watching over construction for safer housing.
- Leaflet of dissemination of the prototype drawings for safer housing.
- Poster of the the prototype drawings for safer housing.
- Poster of minimum requirements for safer housing.
- Prototype drawings for safer housing.

Materials to use in the inspection site:

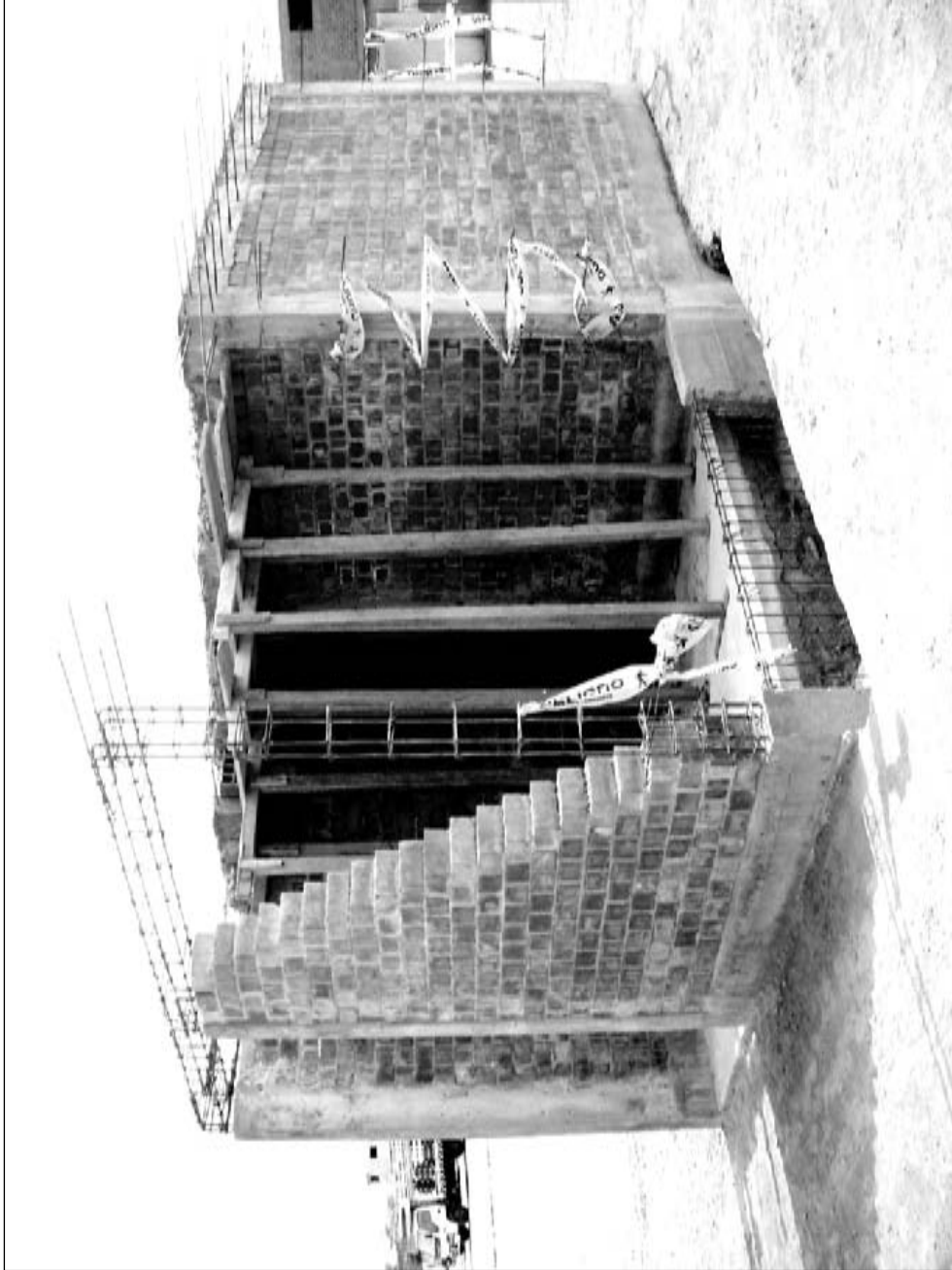
- Prototype drawings for safer housing.
- Manual of simple inspection for safer housing.
- Checklist of simple inspection.

(2) Points for using the manual of simple inspection

When municipal officers go to the inspection site using the **manual of simple inspection for safer housing**, they shall check the following:

- ❖ The terminology of the construction related to confined masonry housing, shown in Chapter 1, Pages 1-1 to 1-11.
- ❖ The characteristics of simple inspection and use of the check list, shown in Chapter 2, Pages 2-6 to 2-12.
- ❖ The checklist for inspection, as shown in Annex 1 of the manual.
- ❖ The scheduling of the site inspection, shown in Chapter 2, Pages 2-5, and the typical schedule as shown in Annex 6 of the manual.
- ❖ After site inspection, the municipal officers shall keep checklist used in inspection.
- ❖ Filing the documents referred to building permit. It is recommended that a computer be used to file the checklists to reduce the volume of documentation in office. Besides, this form of storage makes files faster to find and use when required.

Annex 1 A Picture of a Cut Model House in Pueblo Nuevo, Chinca



Source: JICA study team

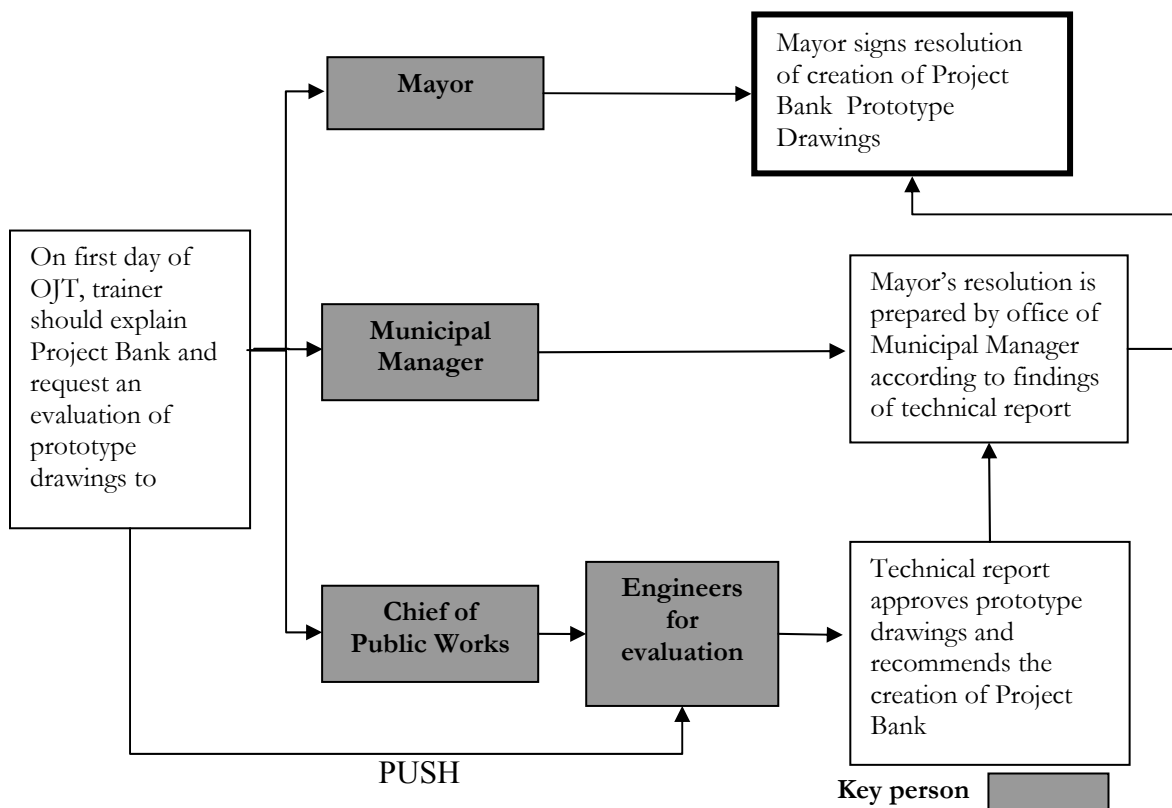
ANNEX 2 COORDINATION OF PROJECT BANK AND REGISTRATION OF THE PROTOTYPE DRAWINGS IN PROJECT BANK IN MUNICIPALITY

There are two ways to create Project Bank in municipality: by Mayor's Resolution and by Municipality Council Resolution. Both processes are shown in (2) and (3)

(1) People in municipalities that can take measures in this issue:

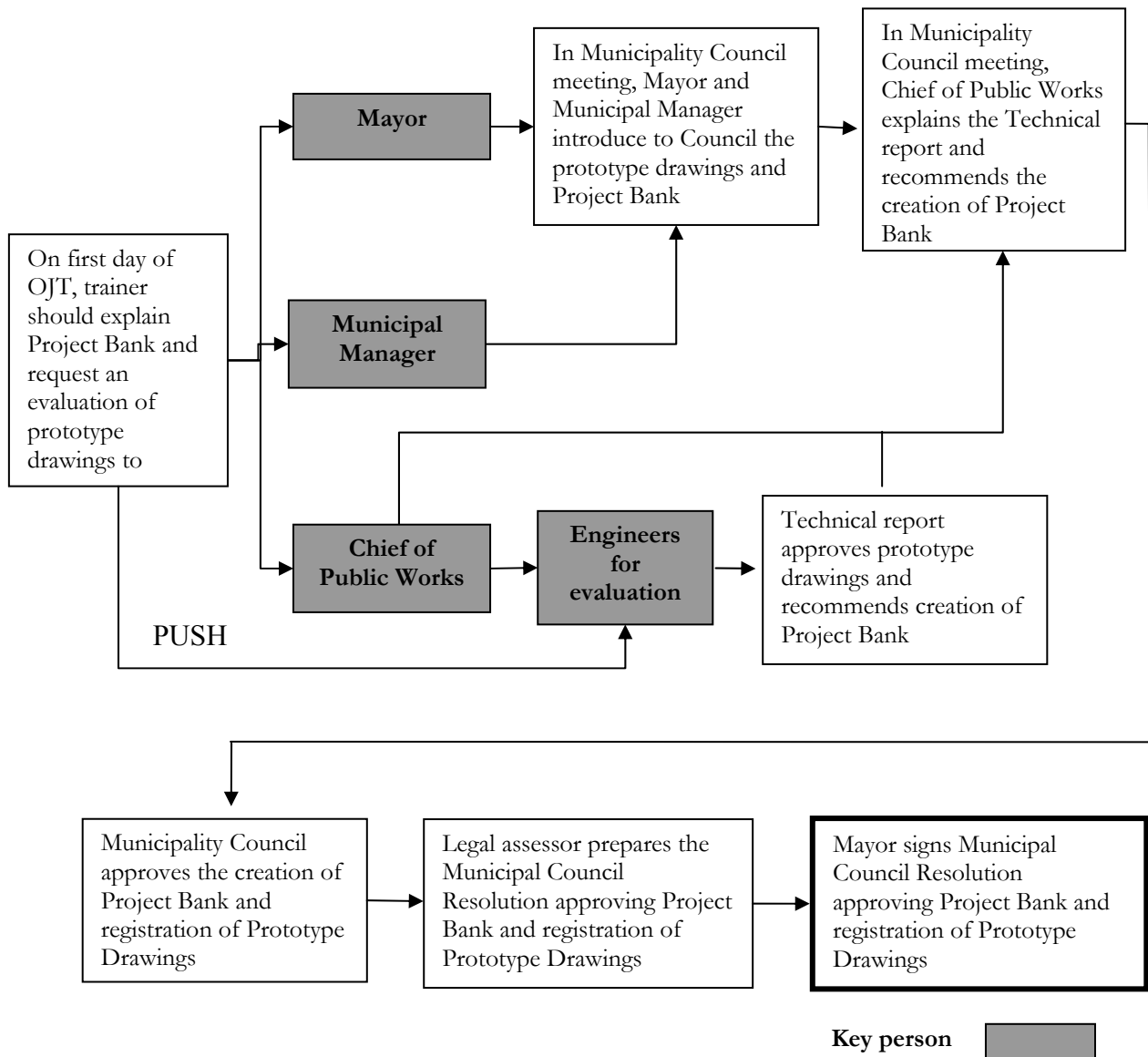
- Mayor of the Municipality
- Municipal Manager
- Chief of Public Works Office
- Engineers in charge of evaluation of prototype drawings

(2) Process for creation of Project Bank by Mayor's Resolution:



Source: JICA study team

(3) Process for creation of Project Bank by Municipality Council Resolution:

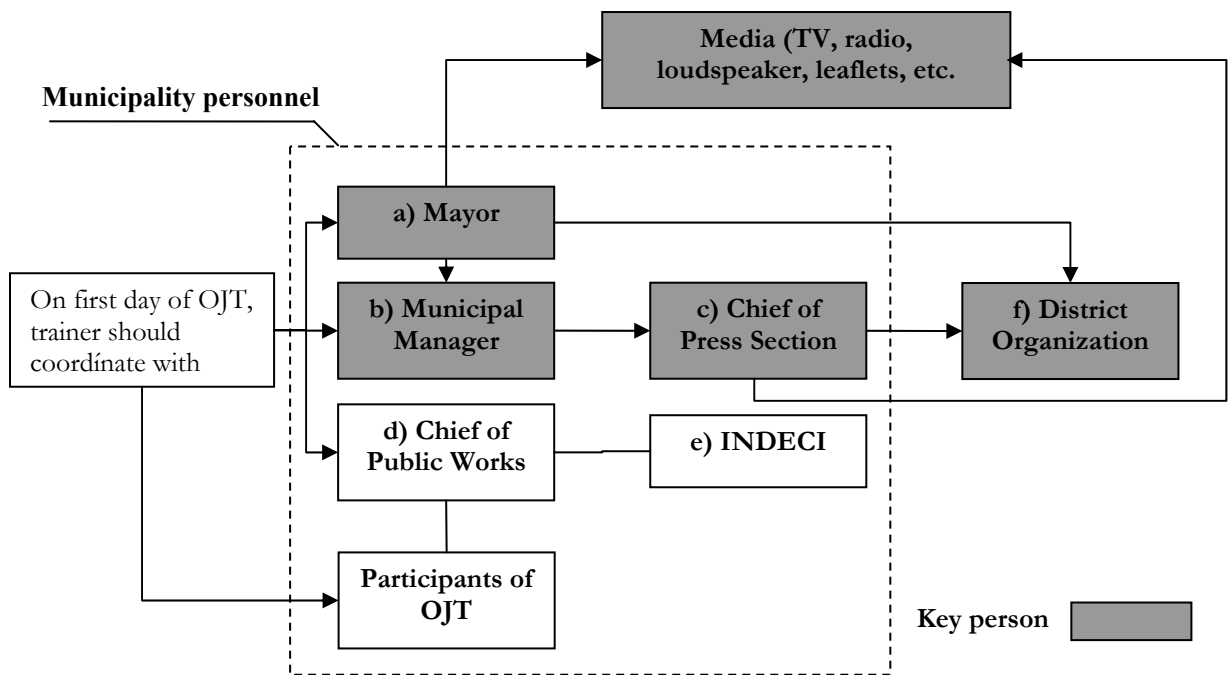


Source: JICA study team

ANNEX 3 COORDINATION FOR WORKSHOP IN MUNICIPALITY

People in municipalities that can take measures in this issue:

- a) Mayor of the Municipality
- b) Municipal Manager
- c) Chief of Press Section of Municipality
- d) Chief of Public Works Office
- e) Person in charge of INDECI district office
- f) Person in charge of any sections which have contact with district organizations (milk club, Asentamiento Humanos, neighborhood associations, etc.)



Source: JICA study team

It is important to get the following as soon as possible:

- Letter of confirmation of intention to support workshop ← From the Mayor
- Press release to be read over radio or TV ← From the Chief of Press
- Interview with trainer over radio or TV to explain the workshop and invite people to participate in it ← From the Media
- Arrangements to attend the workshop ← From the OJT participants

ANNEX 4 TECHNICAL REPORT APPROVING PROTOTYPE DRAWING AND RECOMMENDING CREATION OF PROJECT BANK

Technical Report N° XXX – Public Works Office of Municipality

Reviewed the file N° XX, presented by JAPAN INTERNATIONAL COOPERATION AGENCY - JICA, represented by Mr. Ichiro Kobayashi, which are presented 4 types of housing design called Prototype Drawings for Safer Housing, prepared by engineering company Master Building Ingenieros S.A.C., the detail is as follow:

Prototype N° 01: With floor plan area 16.38 m² and architectural distribution of one single room and one latrine (there is the possibility of no include latrine). Contain 16 housing models with variations according to type of soil, type of roofing, electrical and sanitary installation. Each model has complete set of drawings of architecture, structures, electrical installations and sanitary installations.

Prototype N° 02: With floor plan area 35.47 m² and architectural distribution of one living room, one bedroom and bathroom or latrine. Contain 16 housing models with variations according to type of soil, type of roofing, electrical and sanitary installation. Each model has complete set of drawings of architecture, structures, electrical installations and sanitary installations.

Prototype N° 03: With floor plan area 43.23 m² and architectural distribution of one living room, one bedroom, kitchen and bathroom or latrine. Contain 16 housing models with variations according to type of soil, type of roofing, electrical and sanitary installation. Each model has complete set of drawings of architecture, structures, electrical installations and sanitary installations.

Prototype N° 04: With floor plan area 53.13 m² y and architectural distribution of one living room, two bedrooms, kitchen and bathroom or latrine. Contain 16 housing models with variations according to type of soil, type of roofing, electrical and sanitary installation. Each model has complete set of drawings of architecture, structures, electrical installations and sanitary installations.

Each prototype has descriptive memory, technical specifications, seismic análisis, estimated cost and shopping list.

Checked the contain of presented digital information (hard information just contain one representative modelo the prototypes, descriptive memory, technical specifications, seismic análisis, and certificates of habilities of proffesionals who elaborated the drawings), the drawings fulfill the specifications of Nacional Building Code. For that reason, the prototype drawings are approved.

According to the Law No. 29090 and its regulation, it is needed the creation of Project Bank of municipality to register the Prototype Drawings to be used by local people who don't have drawings and could apply for building permit under Modality A in housing construction.

Therefore, this office recommends the creation of Project Bank and register of Prototype Drawings for Saber Housing in Project Bank of municipality.

Chief of Public Works Office

Study on Housing Reconstruction with
Seismic-resistant houses in the
Republic of Peru

APPENDIX 2 LIST OF OJT TRAINEES

PROVINCE MUNICIPALITY OF CHINCHA

NAME	SEX	POSITION	EDUCATIONAL LEVEL
CARDENAS QUISPE, María Zunilda	FEMALE	Responsible for the Urban Control Area	Civil engineer
MEDINA GUERRA, Jorge Dámaso	MALE	Assistant of the Urban Control Area	Agronomist
FAJARDO CARBAJAL, Hugo Arturo	MALE	Assistant of the Urban Control Area	Civil engineer
JACOBO HERRERA, Pedro Pablo	MALE	Urban Control Area	No Technical
CALLE ABAD, Carmen Rosa	FEMALE	Responsible Human Settlements Area	Architect
CRISOSTOMO CONTRERAS, Francisco	MALE	Assistant Human Settlements Area	Technician
HERNANDEZ MELO, Félix Albino	MALE	Responsible Urban Catastre Area	Non Technical
PALOMINO GONZALO, Soler	MALE	Documents Procedures Urban Catastre Area	Non Technical
MESIAS FAFARDO, Rosa Luisa	FEMALE	Inspector Urban Catastre Area	Technician
GASPAR CERPA, Carmen Isela	FEMALE	Inspector Urban Catastre Area	Non Technical
HUAYTA CUARESMA, Fredy Antonio	MALE	Inspector Urban Catastre Area	Technician
CORREA NAPANGA, Wilfredo Jesús	MALE	Inspector Urban Catastre Area	Non Technical
PALOMINO GOMEZ, José	MALE	Inspector Urban Catastre Area	No Technical
ALMEYDA HERNANDEZ, Raúl	MALE	Inspector Urban Catastre Area	Technician
MARTINEZ REYES, Rafael Fabian	MALE	Inspector Urban Catastre Area	Technician

DISTRICT MUNICIPALITY OF GROCIO PRADO

NAME	SEX	POSITION	EDUCATIONAL LEVEL
VILCA SALAZAR, Elizabeth Milagros	FEMALE	Responsible Public works area	Civil engineer
SARAVIA MARCOS, Luis Alberto	MALE	Assistant Public works area	Studies in Civil engineer
BELLI LANG, Erika Yanina	FEMALE	Responsible Budget and Investment Office	Civil engineer

DISTRICT MUNICIPALITY OF TAMBO DE MORA

NAME	SEX	POSITION	EDUCATIONAL LEVEL
LA TORRE ANDIA, Jaime Grimaldo	MALE	Responsible Public works area	Engineer Civil engineer
APARCANA CALDERON, Victor Gustavo	MALE	Assistant Public works area	No Technical
PRADO MAGALLANES, Emilio Ernesto	MALE	Assistant Support to the Damaged population	No Technical

PROVINCE MUNICIPALITY OF PISCO

NAME	SEX	POSITION	EDUCATIONAL LEVEL
Carlos Quintanilla	MALE	Engineer Manager of Urban Development	Civil engineer
Paul Echegaray	MALE	Resident Engineer	Civil engineer
Cesar García	MALE	Supervisor Engineer	Civil engineer
Marcela Tipian	FEMALE	Assistant Engineer	Civil engineer
Viviana Ramos	FEMALE	Assistant Engineer	Civil engineer

DISTRICT MUNICIPALITY OF SAN CLEMENTE

NAME	SEX	POSITION	EDUCATIONAL LEVEL
Percy Flores	MALE	Public works office	Civil engineer
Mario Noa	MALE	Engineer Office of Projects	Civil engineer
Maria Mina	FEMALE	Engineer Office of Catastre	Civil engineer
Rosario Angulo	FEMALE	Civil defense chief engineer	Technician

REGIONAL DIRECTION OF HOUSING

NAME	SEX	POSITION	EDUCATIONAL LEVEL
Víctor de la Cruz	MALE	Engineer Regional Director of Housing	Civil engineer
Zacarías Camarena	MALE	Engineer Office of Projects	Mining Engineer
Luis Luyo	MALE	Promoter Housing Programs	Communicator
Jorge Córdova	MALE	Promoter Housing Programs	Communicator

DISTRICT MUNICIPALITY OF SAN JUAN BAUTISTA

NAME	SEX	POSITION	EDUCATIONAL LEVEL
Rosa Guillermina Quispe Espino	FEMALE	Accounting	Accounting
Melissa Yohana Siguas Flores	FEMALE	Social Programs	Secretary
Rosa Elena Massa Uribe	FEMALE	Secretary of the municipality	Secretary
Bartolome Guillermo Uribe Andrade	MALE		
Juan Raul Uceda Cordero	MALE	Municipal manager	University grade
Lourdes Paola Lozan rios	FEMALE	Technical Assistant	Civil engineer
Rosario Garibay Pachas	FEMALE	Manager of works	Civil engineer

DISTRICT MUNICIPALITY OF LOS AQUIJES

NAME	SEX	POSITION	EDUCATIONAL LEVEL
Luisa Alinda Manrique Muñoz	FEMALE	Legal advisement	Lawyer
Marlon Vidal Bautista	MALE	Public relations	Communicator
Dennis Rodolfo Uribe Quintana	MALE	Technical assistant	Civil engineer
Raul Bardalez EcheGARAY	MALE	Technical assistant	Civil engineer

DISTRICT MUNICIPALITY OF PARCONA

NAME	SEX	POSITION	EDUCATIONAL LEVEL
Cesar Jose Bustios Tuppia	MALE	Manager of public works	Civil engineer
Alfredo Obdulio Aguirre Polanco	MALE	Technical assistant	Architect
Walter Nuñez Garcia	MALE	Technical assistant	Architect
Cesar Eduardo Guillen Vasquez	MALE	Private works manager	Civil engineer

APPENDIX 3 RESULTS OF THE TESTS

PROVINCE MUNICIPALITY OF CHINCHA

INITIAL TEST CHINCHA

Question	BUILDING LICENSE MANUAL				PROTOTYPE DRAWING			MANUAL OF SIMPLE INSPECTION			WATCHING OVER MANUAL					MINIMUM REQUIREMENTS				PROJECT BANK			TOTAL				
	1	2	3	4	5	6	Sub total	7	8	Sub total	9	10	11	12	13	14	Sub total	15	16	17	18	Sub total		19	20	Sub total	
	Right answer	b	b	a	a	c	c	Sub total	c	b	Sub total	b	a	c	d	c	a	Sub total	c	a	b	a		Sub total	b	b	Sub total
Name participants	ANSWER				ANSW			ANSW			ANSWER					ANSWER				ANSW							
CARDENAS QUISPE, María Zunil	d	b	a	a	3	c	a	1	d	c	0	b	a	c	a	c	d	4	c	a	b	a	4	b	d	1	13
MEDINA GUERRA, Jorge Dámaso	c	b	a	a	3	c	c	2	d	c	0	b	a	d	d	c	a	5	c	a	b	a	4	b	d	1	15
FAJARDO CARBAJAL, Hugo Arturo	a	a	a	a	2	c	c	2	b	b	1	b	a	c	d	c	a	6	d	c	b	a	2	a	a	0	13
CALLE ABAD, Carmen Rosa	c	b	a	a	3	c	c	2	c	c	1	b	a	d	d	c	a	5	d	a	b	a	3	b	b	2	16
CRISOSTOMO CONTRERAS, Francisco	a	b	a	a	3	c	c	2	c	c	1	b	a	c	d	c	a	6	c	a	a	c	2	c	b	1	15
HERNANDEZ MELO, Félix Albino	c	-	-	-	0	c	a	1	-	-	0	b	-	-	c	c	a	3	d	-	-	-	0	c	-	0	4
PALOMINO GONZALO, Soler	b	b	a	a	4	c	a	1	d	a	0	b	a	d	d	c	a	5	d	a	d	c	1	b	-	1	12
MESIAS FAJARDO, Rosa Luisa	c	a	a	a	2	c	a	1	d	-	0	b	-	c	d	c	-	4	d	c	d	-	0	c	a	0	7
GASPAR CERPA, Carmen Isela	c	-	a	a	2	c	a	1	d	b	1	b	a	c	d	c	a	6	d	c	d	-	0	c	-	0	10
HUAYTA CUARESMA, Fredy Antonio	c	-	-	a	1	c	a	1	d	b	1	d	a	d	d	c	a	4	d	c	c	d	0	c	a	0	7
CORREA NAPANGA, Wilfredo Jero	c	b	a	a	3	c	c	2	b	b	1	d	d	d	b	c	a	2	d	a	d	c	1	a	b	1	10
PALOMINO GOMEZ, José	d	b	a	a	3	c	c	2	d	c	0	d	b	d	c	c	d	1	a	a	b	d	2	b	a	1	9
ALMEYDA HERNANDEZ, Raúl	c	a	a	a	2	c	a	1	d	b	1	b	a	a	c	c	a	4	a	a	b	a	3	b	a	1	12
MARTINEZ REYES, Rafael Fabian	d	b	a	a	3	c	b	1	d	d	0	b	b	d	c	c	c	2	b	a	b	a	3	c	a	0	9
Total right answers	1	8	12	13	34	14	6	20	2	5	7	11	9	5	8	14	10	57	3	9	7	6	25	6	3	9	152
Percentage (%)	2	14	21	23	60.7	50	21	71.429	7	18	25.00	13	11	6	10	17	12	67.86	5	16	13	11	44.64	21	11	32.14	54.29

FINAL TEST CHINCHA

Question	BUILDING LICENSE MANUAL						PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL				WATCHING OVER MANUAL										MINIMUM REQUIREMENTS										PROJECT BANK					TOTAL												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		40	41	42	43	44	45	Sub total					
	Right answer	b	a	c	b	a	a	c	b	a	a	c	b	a	c	b	b	c	b	a	c	d	c	b	a	d	d	d	d	d	d	c	c	b	a	a	c	c	c		c	b	a	c	b	c	a	b	b	b	Sub total	
Name participants	ANSWER						ANSWER				ANSWER				ANSWER										ANSWER										esp.																	
CARDENAS QUISPE, María Zunil	d	a	d	b	a	a	4	-	-	-	-	c	3	b	a	c	b	b	b	5	b	a	c	c	b	b	d	a	a	d	a	d	10	c	c	b	a	a	c	c	c	b	a	c	b	d	a	c	b	1	16	
MEDINA GUERRA, Jorge Dámaso	b	a	b	b	a	a	5	c	-	-	-	c	4	b	b	c	c	b	c	4	b	d	d	c	b	b	d	a	d	d	a	b	9	c	c	b	a	a	d	c	c	a	a	c	b	b	a	a	c	d	0	15
FAJARDO CARBAJAL, Hugo Arturo	b	a	b	b	a	a	5	c	-	-	-	c	3	b	b	c	b	b	b	4	b	a	c	d	c	b	a	c	d	d	a	d	11	c	c	a	a	a	c	c	c	b	b	c	b	b	a	a	a	0	15	
JACOBO HERRERA, Pedro Pablo	d	a	a	b	a	a	4	d	-	-	-	c	3	b	b	a	c	a	a	1	b	c	d	d	c	b	d	a	d	a	d	8	c	c	b	d	a	c	c	c	b	a	c	b	-	a	-	b	1	13		
CALLE ABAD, Carmen Rosa	b	a	b	b	a	a	5	c	-	-	-	c	4	b	b	c	b	b	c	5	b	d	c	d	c	b	a	c	d	d	a	d	10	c	c	b	a	a	c	c	c	b	d	c	b	a	a	b	b	2	17	
CRISOSTOMO CONTRERAS, Francisco	a	a	b	a	a	a	3	c	-	-	-	a	3	b	c	c	c	d	2	b	a	d	d	c	b	a	d	c	a	b	c	a	6	c	c	b	d	a	c	c	c	b	a	c	b	b	b	2	12			
HERNANDEZ MELO, Félix Albino	b	c	d	-	a	a	3	c	x	x	a	1	b	a	c	d	b	c	5	b	c	-	d	c	a	a	a	-	d	a	-	5	c	c	b	a	a	c	c	c	a	-	c	b	-	a	a	0	11			
PALOMINO GONZALO, Soler	b	a	a	b	c	d	3	c	x	x	c	2	b	a	c	c	b	c	5	b	d	d	c	b	a	d	d	d	d	a	d	10	d	c	a	a	a	c	c	c	d	b	a	b	a	d	b	b	2	13		
MESIAS FAJARDO, Rosa Luisa	a	a	b	a	a	a	3	c	x	x	a	1	b	b	c	c	b	c	4	b	d	d	c	b	b	d	a	-	d	a	d	9	c	c	c	d	c	d	c	c	b	c	b	c	b	a	b	a	1	12		
GASPAR CERPA, Carmen Isela	c	a	a	a	a	a	3	c	x	x	a	1	c	b	c	c	b	c	3	c	d	d	c	c	d	a	-	-	-	-	-	4	c	c	c	d	-	c	c	b	-	c	b	b	a	a	b	1	9			
HUAYTA CUARESMA, Fredy Antonio	b	a	b	a	a	a	4	c	-	-	-	a	3	b	b	c	b	b	b	2	b	d	d	c	c	d	d	a	d	a	a	7	d	c	d	a	c	d	c	a	b	a	b	b	a	a	b	1	11			
CORREA NAPANGA, Wilfredo Jero	c	c	b	a	a	a	4	c	x	x	a	1	b	b	c	c	b	a	3	-	d	c	c	c	b	-	a	-	d	a	a	4	d	b	b	d	a	c	c	a	b	a	c	b	b	a	b	2	10			
PALOMINO GOMEZ, José	d	a	a	b	a	a	4	c	x	x	c	2	b	b	a	b	d	b	2	d	d	c	b	b	c	b	d	d	b	a	b	4	d	c	d	d	a	c	d	b	b	c	b	a	a	b	d	1	9			
ALMEYDA HERNANDEZ, Raúl	c	c	c	b	a	a	4	c	-	-	-	a	3	b	b	c	c	b	a	3	b	a	d	c	b	b	d	a	b	d	a	a	8	c	c	b	a	a	c	c	a	b	a	c	b	b	a	a	0	13		
MARTINEZ REYES, Rafael Fabian	c	a	b	b	a	a	4	c	-	-	-	b	3	b	b	c	b	b	b	4	b	c	b	d	c	b	b	d	a	b	d	c	a	7	a	c	a	a	c	c	c	b	d	c	b	b	a	b	a	1	13	
Total right answers	6	12	2	10	14	14	58	13	9	7	8	37	14	3	12	5	12	6	52	12	4	3	11	14	10	7	10	4	7	11	12	7	112	10	14	8	9	12	11	14	11	12	7	13	15	1	13	7	8	15	424	
Percentage (%)	7	13	2	11	16	16	64.44	22	15	12	13	61.67	16	3	13	6	13	7	57.78	6	2	2	6	7	5	4	5	2	4	6	6	4	57.44	5	7	4	4	6	5	7	5	6	3	6	7	0	6	23	27	50.00	62.81	

TRAINING EFFETIVENESS

QUESTION	46	47	48	49
RIGHT ANSWER				
NAME PARTICIPANTS	ANSWER			
CARDENAS QUISPE, María Zunil	c	a	a	MORE TIME FOR SESSIONS
MEDINA GUERRA, Jorge Dámaso	c	a	a	MORE TIME FOR FIELD PRACTICE
FAJARDO CARBAJAL, Hugo Arturo	d	a	a	TRAINING MORE LONGER (MORE THAN TWO HOURS), MORE FREQUENCY OF TRAINING IN DISTINCT ISSUES OF MUNICIPALITY AND CONSTRUCTION
JACOBO HERRERA, Pedro Pablo	d	a	a	LESSONS MORE FREQUENT
CALLE ABAD, Carmen Rosa	c	a	a	HAND OVER THE MATERIAL TO ALL PARTICIPANTS
CRISOSTOMO CONTRERAS, Francisco	b	a	a	TRAINING DIRECTLY IN THE FIELD
HERNANDEZ MELO, Félix Albino	d	b	a	MORE DYNAMIC
PALOMINO GONZALO, Soler	c	a	a	MORE DIFFUSION IN DISTINCT MEDIA
MESIAS FAJARDO, Rosa Luisa	a	a	a	MORE TIME FOR SESSIONS
GASPAR CERPA, Carmen Isela	a	b	b	NO COMMENTS
HUAYTA CUARESMA, Fredy Antonio	b	a	a	MORE DYNAMIC, MAYBE A PROJECT TO SEE THE CONSTRUCTION PROCESS
CORREA NAPANGA, Wilfredo Jero	d	b	b	MORE MATERIAL IN SESSIONS
PALOMINO GOMEZ, José	b	b	a	WE SHOULD ALL PAY MORE ATTENTION TO THE TRAINING
ALMEYDA HERNANDEZ, Raúl	c	a	a	IMPROVE THE TRAINING MATERIAL
MARTINEZ REYES, Rafael Fabian	c	a	a	SUGGEST TO DISSEMINATE THIS KNOWLEDGE TO THE HOUSE OWNERS
Total de ANSWERS a)	2	11	13	
Total de ANSWERS b)	3	4	2	
Total de ANSWERS c)	5	0	0	
Total de ANSWERS d)	4	-	-	

DISTRICT MUNICIPALITY OF GROCIO PRADO

INITIAL TEST GROCIO PRADO

Question	BUILDING LICENSE MANUAL					PROTOTYPE DRAWING			MANUAL OF SIMPLE INSPECTION			WATCHING OVER MANUAL					MINIMUM REQUIREMENTS				PROJECT BANK			TOTAL		
	1	2	3	4	Sub total	5	6	Sub total	7	8	Sub total	9	10	11	12	13	14	Sub total	15	16	17	18	Sub total		19	20	Sub total
Right answer	b	b	a	a		c	c		c	b		b	a	c	d	c	a		c	a	b	a		b	b	
Name participants	ANSWER					ANSW			ANSWER					ANSWER				ANSW								
VILCA SALAZAR, Elizabeth Milag	d	d	a	a	2	d	a	0	a	c	0	b	a	c	c	c	a	5	c	d	b	a	3	c	b	1
SARAVIA MARCOS, Luis Alberto	a	b	a	a	3	c	b	1	d	b	1	b	a	d	c	c	d	3	c	a	b	a	4	a	b	1
BELLI LANG, Erika Yanina	d	a	a	a	2	c	a	1	d	c	0	b	a	d	c	c	a	4	d	d	b	a	2	a	b	1
TABOADA QUISPE, Nanci Lesli	-	-	a	-	1	c	a	1	d	c	0	-	a	d	c	c	a	3	c	d	b	a	2	c	-	0
Total right answers	0	1	4	3	8	3	1	3	0	1	1	3	4	1	0	4	3	15	3	1	4	4	12	0	3	3
Percentage (%)	0	6	25	19	50	38	13	37.5	0	13	12.50	13	17	4	0	17	13	62.5	19	6	25	25	75	0	38	37.5

FINAL TEST GROCIO PRADO

Question	BUILDING LICENSE MANUAL						PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL						WATCHING OVER MANUAL										MINIMUM REQUIREMENTS										PROJECT BANK			TOTAL										
	1	2	3	4	5	6	7	8	9	10	Sub total	11	12	13	14	15	16	Sub total	17	18	19	20	21	22	23	24	25	26	27	28	29	Sub total	30	31	32	33	34	35	36		37	38	39	40	41	42	43	44	45	Sub total
Right answer	b	a	c	b	a	a	c	o	o	o	c	b	a	c	b	b	c	b	a	c	d	c	b	b	d	d	d	d	d	d	d	9	c	c	b	a	a	c	c	c	a	b	a	d	b	b	a	c	b	1
Name participants	ANSWER						ANSWER				ANSWER						ANSWER										ANSWER																							
VILCA SALAZAR, Elizabeth Milag	d	c	b	b	a	a	3	c	/	/	a	3	b	a	c	b	b	c	6	b	d	c	d	c	c	b	-	a	d	d	a	d	9	d	c	b	a	a	c	c	a	b	a	d	b	b	a	c	b	1
SARAVIA MARCOS, Luis Alberto	a	a	b	b	a	a	4	c	x	x	b	1	b	b	c	b	b	c	5	b	a	c	c	c	c	b	a	a	d	d	d	d	8	c	c	c	a	a	c	c	a	b	a	d	b	b	a	a	b	1
BELLI LANG, Erika Yanina	c	a	c	b	a	a	5	c	x	/	c	3	b	a	c	b	b	c	6	a	a	c	c	c	c	a	a	a	d	a	a	5	c	c	b	a	a	c	c	a	a	d	b	b	a	a	b	1		
Total right answers	0	2	1	3	3	3	12	3	1	2	1	7	3	2	3	3	3	17	2	2	3	1	3	0	2	0	0	2	3	2	2	22	2	3	2	3	3	3	0	2	3	0	3	0	3	0	3	3		
Percentage (%)	0	11	6	17	17	17	66.67	25	8	17	8	58.33	17	11	17	17	17	94.44	5	5	8	3	8	0	5	0	0	5	8	5	5	56.41	5	7	5	7	7	7	0	5	7	0	7	0	7	0	50	50.00		

TRAINING EFFETIVENESS										
Question	46	47	48	49						Sub total
Right answer										
Name participants	Respuesta									
VILCA SALAZAR, Elizabeth Milag	b	a	a	MORE DETAILS ABOUT LAW N° 29090						
SARAVIA MARCOS, Luis Alberto	c	a	a	MORE CONTINUITY AND BETTER SCHEDULE, SITE VISIT AND FIELD WORKS						
BELLI LANG, Erika Yanina	a	a	a	NO COMMENTS						
Total ANSWERS a)	1	3	3							
Total ANSWERS b)	1	0	0							
Total ANSWERS c)	1	0	0							
Total ANSWERS d)	0	-	-							

DISTRICT MUNICIPALITY OF TAMBO DE MORA

INITIAL TEST TAMBO DE MORA

Question	BUILDING LICENSE MANUAL				PROTOTYPE DRAWING		MANUAL OF SIMPLE INSPECTION		WATCHING OVER MANUAL						MINIMUM REQUIREMENTS				PROJECT BANK		TOTAL						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
Right answer	b	b	a	a	Sub total	c	c	Sub total	c	b	Sub total	b	a	c	d	c	a	b	a	Sub total	b	b	Sub total				
Name participants	Answer				Answer		Answer		Answer						Answer				Answer								
LA TORRE ANDIA, Jaime Grimalc	c	-	a	-	1	c	a	1	c	b	2	b	a	d	b	c	a	4	d	a	b	a	3	a	b	1	12
APARCANA CALDERON, Victor G	c	-	-	-	0	c	-	1	c	c	1	b	a	-	d	c	a	5	c	-	-	-	1	a	a	0	8
PRADO MAGALLANES, Emilio Er	c	a	a	a	2	c	c	2	c	c	1	b	a	d	d	c	a	5	d	a	b	a	3	c	a	0	13
Total right answers	0	0	2	1	3	3	1	4	3	1	4	3	3	0	2	3	3	14	1	2	2	2	7	0	1	1	33
Percentage (%)	0	0	17	8	25	50	17	66.67	50	17	66.67	17	17	0	11	17	17	77.78	8	17	17	17	58.33	0	17	16.67	55.00

FINAL TEST TAMBO DE MORA

Question	BUILDING LICENSE MANUAL					PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL						WATCHING OVER MANUAL										MINIMUM REQUIREMENTS										PROJECT BANK		TOTAL																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37		38	39	40	41	42	43	44	45								
Right answer	b	a	c	b	a	a	c	a	c	c	b	a	c	b	b	c	b	a	d	c	c	b	a	d	c	b	a	d	d	d	a	d	c	c	b	a	a	c	c	c	b	a	c	b	a	c	b	c	a	b	a	b		
Name participants	Answer					Answer				Answer						Answer										Answer																												
LA TORRE ANDIA, Jaime Grimalc	c	a	-	b	a	a	4	c	x	x	x	a	1	b	a	c	b	b	c	6	b	a	d	d	c	c	b	a	d	-	d	a	d	9	c	c	-	a	a	d	c	b	b	d	a	b	a	a	a	b	1	29		
APARCANA CALDERON, Victor G	a	d	b	b	a	a	4	c	x	x	x	a	1	b	a	c	c	b	c	5	b	d	-	d	c	c	b	-	a	d	b	a	b	b	6	d	c	d	a	a	d	c	a	a	a	d	b	-	a	a	a	a	0	23
PRADO MAGALLANES, Emilio Er	b	a	b	b	a	a	5	c	x	/	c	3	b	b	c	b	b	c	5	b	a	d	d	c	b	a	b	d	d	a	b	9	c	c	b	a	a	c	c	a	a	a	d	b	a	a	b	b	2	34				
Total right answers	1	3	0	3	3	13	3	0	1	1	5	3	2	3	2	3	16	3	2	0	3	3	1	2	0	2	2	3	1	24	2	3	1	3	3	1	3	0	1	2	0	3	0	3	1	2	3	86						
Percentage (%)	6	17	0	17	17	72.22	25	0	8	8	41.67	17	11	17	11	17	88.89	8	5	0	8	8	3	5	0	5	5	8	3	61.54	5	7	2	7	7	2	7	0	2	5	0	7	0	17	33	50.00	63.70							

TRAINING EFFETIVENESS

QUESTION	46	47	48	49
RIGHT ANSWER				
NAME PARTICIPANTS	Answer			
LA TORRE ANDIA, Jaime Grimalc	b	a	a	FIRST, A PLACE WHERE THERE ARE NO INTERRUPTIONS OR INTERFERENCE, SECOND, CONGRATULATIONS FOR HAVING THE MATERIAL AT HAND AND FOR THE CAPACITY OF THE TRAINER
APARCANA CALDERON, Victor G	d	a	a	A LITTLE MORE TIME
PRADO MAGALLANES, Emilio Er	a	a	a	NEEDS MORE DAYS AND MORE FIELD VISITS
Total answers a)	1	3	3	
Total answers b)	1	0	0	
Total answers c)	0	0	0	
Total answers d)	1	-	-	

PROVINCE MUNICIPALITY OF PISCO

INITIAL TEST PISCO

Question	BUILDING LICENSE MANUAL				PROTOTYPE DRAWING			MANUAL OF SIMPLE INSPECTION			WATCHING OVER MANUAL					MINIMUM REQUIREMENTS				PROJECT BANK			TOTAL				
	1	2	3	4	5	6	Sub total	7	8	Sub total	9	10	11	12	13	14	Sub total	15	16	17	18	Sub total		19	20	Sub total	
	Right answer	b	b	a	a	c	c	Sub total	c	b	Sub total	b	a	c	d	c	a	Sub total	c	a	b	a		Sub total	b	b	Sub total
Name participants	Answer				Answ			Answ			Answer					Answer				Answ							
JOSE APARCANA	a	a	b	a	1	c	a	1	b	c	0	b	b	d	c	b	b	1	a	c	c	c	0	a	b	1	4
CARLOS QUINTANILLA	c	a	a	a	2	c	a	1	a	c	0	b	a	c	c	c	a	5	a	a	b	a	3	a	a	0	11
MIGUEL ZEVALLOS	a	a	a	a	2	c	a	1	b	b	1	b	a	b	d	c	a	5	c	d	b	a	3	b	b	2	14
GODOFREDO TAIPE	b	-	-	-	1	c	b	1	d	-	0	b	-	-	c	c	a	3	a	a	a	d	1	b	-	1	7
RENATO VINELLI	c	a	c	-	0	c	a	1	d	-	1	b	a	a	a	c	d	3	a	a	c	a	2	a	a	0	6
JOSE URIBE	b	a	a	c	2	c	a	1	d	c	0	b	a	d	d	c	a	5	d	c	b	a	2	c	a	0	10
RUBEN CHOQUE	c	a	-	a	1	c	a	1	d	c	0	b	d	-	c	c	a	3	c	a	-	a	3	a	b	1	9
ANTONIO GUZMAN	d	b	-	b	1	c	a	1	d	d	0	b	a	c	c	c	-	4	d	c	b	a	2	a	b	1	9
CESAR BARTOLO	d	-	-	a	1	c	a	1	d	d	0	b	a	c	d	c	d	5	d	a	c	a	2	a	a	0	9
AUGUSTO MAURTUA	a	-	-	-	0	c	-	1	-	-	0	-	-	-	-	c	a	2	a	a	b	a	3	c	b	1	7
MARCELA TIPIAN	c	b	a	d	2	c	c	2	c	c	1	b	a	d	c	c	d	3	d	a	b	a	3	a	b	1	12
VIVIANA RAMOS	b	b	a	d	3	c	a	1	c	b	2	b	a	c	c	c	d	4	d	a	b	a	3	a	b	1	14
PAUL ECHEGARAY	b	b	a	a	4	c	c	2	c	c	1	b	a	c	a	c	a	5	c	a	b	a	4	a	b	1	17
CESAR GARCIA	b	b	a	a	4	c	a	1	c	b	2	b	a	d	a	c	a	4	d	a	b	a	3	a	b	1	15
Total right answers	5	5	7	7	24	14	2	15	4	4	8	13	10	5	3	13	8	52	3	10	9	12	34	2	9	11	144
Percentage (%)	9	9	13	13	43	50	7	54	14	14	29	15	12	6	4	15	10	62	5	18	16	21	61	7	32	39	51

FINAL TEST PISCO

Question	BUILDING LICENSE MANUAL						PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL						WATCHING OVER MANUAL										MINIMUM REQUIREMENTS										PROJECT BANK		TOTAL													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		39	40	41	42	43	44	45	Sub total					
	Right answer	b	a	c	b	a	a	c	b	c	c	b	a	c	b	b	c	b	a	c	d	c	b	b	d	d	d	d	a	d	c	c	b	a	a	c	c	c		b	a	c	b	c	a	b	c	a	b	b		
Name participants	ANSWER						ANSWER				ANSWER						ANSWER										ANSWER										Resp.															
CESAR GARCIA	b	a	c	b	a	a	6	c	X	/	/	c	3	b	b	c	b	b	c	5	b	a	c	a	c	b	a	d	a	d	a	d	10	d	c	b	a	a	c	c	b	d	a	c	b	a	a	b	b	2	36	
PAUL ECHEGARAY	b	a	a	b	a	a	5	c	/	/	/	a	3	b	b	c	c	b	c	4	b	a	c	a	c	b	a	d	a	d	d	a	a	8	c	c	a	a	a	c	c	b	b	a	c	b	d	a	a	b	1	32
MARCELA TIPIAN	c	c	d	b	a	a	3	c	X	X	/	a	1	b	b	c	c	b	b	3	b	d	d	c	c	b	d	d	a	b	d	d	d	6	d	c	b	d	a	d	c	c	a	c	d	b	a	a	a	b	1	21
VIVIANA RAMOS	b	a	c	b	a	d	5	c	X	/	/	a	2	b	b	c	b	b	c	5	b	a	c	c	a	a	d	a	b	d	d	d	7	d	c	b	a	a	d	d	a	b	a	c	b	a	a	b	1	29		
Total right answers	3	3	2	4	4	3	19	4	1	3	1	9	4	0	4	2	4	3	17	4	3	3	0	4	3	0	4	0	2	4	2	3	32	1	4	3	3	4	2	3	1	2	3	3	4	0	4	1	4	5	118	
Percentage (%)	13	13	8	17	17	13	79.17	25	6	19	6	56.25	17	0	17	8	17	13	70.83	8	6	6	0	8	6	0	8	0	4	8	4	6	61.54	2	7	5	5	7	4	5	2	4	5	5	7	0	7	13	50	62.5	66	

TRAINING EFFECTIVENESS

Question	46	47	48	49			Sub total
Right answer							
Name of participants	Respuesta						
CESAR GARCIA	a	a	a	More material to keep and revise at any moment. More days			
PAUL ECHEGARAY	d	a	a	More training sessions frequently, to be more perfect			
MARCELA TIPIAN	b	a	a	More dissemination to the public, to be informed, get the license and more oriented			
VIVIANA RAMOS	a	a	a	More days to train more			
Total answers a)	2	4	4				
Total answers b)	1	0	0				
Total answers c)	0	0	0				
Total answers d)	1	0	0				

DISTRICT MUNICIPALITY OF SAN CLEMENTE

INITIAL TEST SAN CLEMENTE

Question	BUILDING LICENSE MANUAL				PROTOTYPE DRAWING		MANUAL OF SIMPLE INSPECTION		WATCHING OVER MANUAL						MINIMUM REQUIREMENTS				PROJECT BANK		TOTAL											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20												
Right answer	b	b	a	a	Sub total		c	c	Sub total		c	b	Sub total		b	a	c	d	c	a	Sub total		c	a	b	a	Sub total		b	b	Sub total	
Name participants	ANSWER				ANSW		ANSW		ANSWER						ANSWER				ANSW													
PERCY FLORES AGUILAR	c	b	a	a	3	c	c	2	c	c	1	b	a	d	a	c	b	3	d	a	b	a	3	b	b	2	14					
MARIA MINA ORTIZ	a		a	a	2	c	a	1	c	b	2	b	a	d	c	c	d	3	c		b	a	3	a	b	1	12					
MARIO NOA GONZALES	a		a	c	1	c	a	1	d	b	1	b	a	a	a	c	d	3	d	a	b	a	3	c	b	1	10					
ROSARIO ANGULO ESPINO	c				0	c	a	1	c	d	1	b	b	d	d	c		d	b		a	1	b	a	1	7						
Total right answers	0	1	3	2	6	4	1	5	3	2	5	4	3	0	1	4	0	12	1	2	3	4	10	2	3	5	43					
Percentage (%)	0	6	19	13	37.5	50	13	62.5	38	25	62.5	17	13	0	4	17	0	50	6	13	19	25	62.5	25	38	62.5	53.75					

FINAL TEST SAN CLEMENTE

Question	BUILDING LICENSE MANUAL						PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL						WATCHING OVER MANUAL										MINIMUM REQUIREMENTS										PROJECT BANK		TOTAL																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		39	40	41	42	43	44	45										
Right answer	b	a	c	b	a	a	Sub total		c	b	a	b	c	c	Sub total		b	a	c	d	c	b	b	d	d	d	d	a	d	Sub total		c	c	b	a	a	c	c	c	b	a	c	b	a	c	b	a	a	b	b						
Name participants	ANSWER						ANSWER				ANSWER						ANSWER										ANSWER										Resp.																			
PERCY FLORES AGUILAR	a	a	a	b	a	a	4	a	/	/	/	a	2	b	b	c	c	b	c	4	b	d	d	a	c	c	b	c	a	c	d	a	a	5	d	c	b	a	a	c	c	c	a	a	c	b	c	a	b	b	c	a	b	b	2	27
MARIA MINA ORTIZ	b	c	d	b	a	a	4	c	x	x	b	1	b	a	c	b	b	c	6	b	c	d	c	c	c	b	a	a	d	d	a	a	6	c	c	b	a	a	c	c	c	b	a	c	b	a	c	b	a	a	a	b	1	35		
MARIO NOA GONZALES	b	a	b	d	a	a	4	c	x	x	a	1	b	b	c	b	b	c	5	b	a	a	d	c	b	a	d	a	c	d	a	d	9	c	c	d	a	a	c	c	c	b	a	c	b	a	c	b	a	a	b	2	32			
ARTURO CAMASCA	a	a	d	b	a	a	4	c	x	x	c	2	b	b	c	b	c	b	3	b	c	c	c	b	d	d	a	d	d	a	d	9	d	c	a	a	a	c	c	c	a	a	d	b	a	a	b	b	2	29						
FERMIN AGUIRRE	a	a	c	b	d	a	4	c	x	/	/	b	2	b	a	c	b	d	c	6	c	a	d	c	c	a	d	a	c	d	a	a	5	a	c	a	d	a	a	c	c	a	a	d	b	b	a	a	b	1	24					
Total de respuestas correctas	2	4	1	4	4	5	20	4	1	2	1	8	5	2	5	4	4	24	4	2	1	1	5	2	2	3	0	2	5	2	34	2	5	2	4	5	4	5	4	2	5	3	5	1	5	3	5	8	147							
Porcentaje (%)	7	13	3	13	13	17	66.67	20	5	10	5	40	17	7	17	13	13	80	6	3	2	2	8	3	3	5	0	3	8	8	52.31	3	7	3	6	7	6	7	6	3	7	4	7	1	7	30	50	80	65.33							

TRAINING EFFETIVENESS										
QUESTION	46	47	48	49						Sub total
RIGHT ANSWER										
NAME PARTICIPANTS	ANSWER									
PERCY FLORES AGUILAR	a	a	a	Each person should receive a manual						
MARIA MINA ORTIZ	c	a	a							
MARIO NOA GONZALES	c	a	a							
ARTURO CAMASCA	b	a	a							
FERMIN AGUIRRE	b	a	a	More continuous						
Total answers a)	1	5	5							
Total answers b)	2	0	0							
Total answers c)	2	0	0							
Total answers d)	0	0	0							

DISTRICT MUNICIPALITY OF PARCONA

INITIAL TEST PARCONA

Question	BUILDING LICENSE MANUAL				PROTOTYPE DRAWING		MANUAL OF SIMPLE INSPECTION		WATCHING OVER MANUAL						MINIMUM REQUIREMENTS				PROJECT BANK			TOTAL					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
	Sub total				Sub total		Sub total		Sub total						Sub total				Sub total								
Right answer	b	b	a	a	c	c	c	b	b	a	c	d	c	a	c	a	b	a	b	b							
Name participants	Answer				Answer		Answer		Answer						Answer				Answer								
CESAR JOSE BUSTIOS TUPPIA	a	a	a	a	2	c	c	2	b	a	d	c	c	a	4	a	a	b	a	3	a	b	1	14			
ALFREDO OBDULIO AGUIRRE POLANCO	b	a	b	a	2	c	a	1	c	b	2	b	a	d	5	d	a	b	a	3	c	d	0	13			
NESTOR ALEJANDRO HUAMANI PALOMINO	b	-	-	a	2	c	-	1	-	-	0	b	a	-	2	-	a	-	-	1	-	b	1	7			
LUIS ENRIQUE PALOMINO QUIJANDRIA	b	b	a	a	4	c	-	1	b	b	1	c	a	b	3	d	a	-	-	1	-	-	0	10			
PABLO CABANA SALCEDO	a	a	a	a	2	c	a	1	b	b	1	b	a	b	5	a	a	b	a	3	a	a	0	12			
WALTER NUÑEZ GARCIA	a	b	a	a	3	c	a	1	c	c	1	b	-	-	4	d	a	b	a	3	a	a	0	12			
CESAR EDUARDO GUILLEN VASQUEZ	b	b	a	a	4	c	-	1	b	c	0	b	a	b	4	a	a	b	a	3	a	b	1	13			
Total right answers	4	3	5	7	19	7	0	8	3	4	7	7	6	0	3	5	6	27	0	7	5	5	17	0	3	3	81
Percentage (%)	14	11	18	25	67.86	50	0	57.14	21	29	50	17	14	0	7	12	14	64.29	0	25	18	17.9	60.71	0	21	21.43	58

FINAL TEST PARCONA

Question	BUILDING LICENSE MANUAL						PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL						WATCHING OVER MANUAL										PROJECT BANK			TOTAL								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		30	44	45					
	Sub total						Sub total				Sub total						Sub total										Sub total											
Right answer	b	a	c	b	a	a	c	c	c	c	b	a	c	b	b	c	b	a	c	d	c	b	b	d	d	d	a	d	c	b	b							
Name participants	Answer						Answer				Answer						Answer										Answer											
CESAR JOSE BUSTIOS TUPPIA	a	a	c	b	a	a	5	c	x	x	c	2	b	b	c	c	b	b	2	b	a	d	c	c	a	d	d	a	d	b	a	a	6	d	a	b	1	24
ALFREDO OBDULIO AGUIRRE POLANCO	b	a	b	b	a	a	4	c	x	x	a	1	b	b	c	b	b	c	5	b	a	d	d	c	a	a	c	a	b	d	a	a	6	d	b	b	2	25
WALTER NUÑEZ GARCIA	b	a	b	b	a	a	5	c	x	x	a	1	b	b	c	b	b	a	4	b	a	c	c	c	b	a	c	a	d	a	a	a	7	c	b	b	2	29
CESAR EDUARDO GUILLEN VASQUEZ	b	a	b	b	a	a	5	c	x	x	a	1	b	b	c	b	b	a	4	b	a	c	a	c	b	b	d	a	d	a	d	11	c	a	b	1	34	
Total of right answers	2	4	1	4	4	4	19	4	0	0	1	5	4	0	4	3	3	1	15	4	4	2	1	4	2	1	2	0	3	2	4	1	30	2	2	4	6	112
Percentage (%)	8.3	17	4	17	17	17	79.17	25	0	0	6.3	31.25	17	0	17	13	13	4	62.5	7.7	8	3.8	1.9	7.7	3.8	1.9	3.8	0	5.8	4	8	2	57.69	3.6	25	50	75	62

TRAINING EFFETIVENESS										
QUESTION	46	47	48	49						Sub total
RIGHT ANSWER										Sub total
NAME PARTICIPANTS										Sub total
CESAR JOSE BUSTIOS TUPPIA	a	a	a	INVITE THE POPULATION IN GENERAL TO PARTICIPATE						
ALFREDO OBDULIO AGUIRRE POLANCO	c	a	a	VIDEOS ON THE ISSUE						
WALTER NUÑEZ GARCIA	d	a	a	TRAININGS MORE PERIODICALLY TO BE A LINK BETWEEN THE POPULATION THAT DO NOT KNOW ABOUT CONSTRUCTION PROCESS THAT DETERMINES THE SECURITY OF HOUSING IN A DETERMINED AREA						
CESAR EDUARDO GUILLEN VASQUEZ	d	a	a	IT IS ALL RIGHT						
Total answers a)	1	4	4							
Total answers b)	0	0	0							
Total answers c)	1	0	0							
Total answers d)	2	0	0							

DISTRICT MUNICIPALITY OF LOS AQUIJES

INITIAL TEST LOS AQUIJES

Question	BUILDING LICENSE MANUAL				PROTOTYPE DRAWING		MANUAL OF SIMPLE INSPECTION		WATCHING OVER MANUAL					MINIMUM REQUIREMENTS				PROJECT BANK			TOTAL						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
	Sub total				Sub total		Sub total		Sub total					Sub total				Sub total									
Right answer	b	b	a	a	c	c	c	b	b	a	c	d	c	a	c	a	b	a	b	b							
Name participants	Answer				Answ		Answ		Answer					Answer				Answ									
CARLOS TATAJE AGURDO	c	a	d	-	0	c	a	1	b	c	0	b	d	d	c	c	a	3	a	a	d	d	1	a	b	1	6
LEONARDO VASQUEZ HERRERA	b	-	-	a	2	c	c	2	d	b	1	c	-	d	d	c	c	2	c	d	b	a	3	a	b	1	11
DENNIS RODOLFO URIBE QUINTANA	a	-	-	a	1	c	a	1	b	c	0	b	a	-	d	c	a	5	-	a	b	a	3	b	b	2	12
MIRTHA RAMOS HERNANDEZ	a	-	d	-	0	c	a	1	c	-	1	b	a	c	c	c	-	4	b	a	b	a	3	a	b	1	10
ARMANDO SERNAQUE VENTURA	a	-	-	-	0	c	c	2	b	-	0	b	a	c	c	c	d	4	d	a	b	a	3	a	a	0	9
ELIZABETH MUNAYCO MUÑOZ	-	-	-	-	0	c	a	1	-	-	0	b	b	d	c	c	a	3	b	c	-	-	0	a	a	0	4
RAUL BARDALEZ ECHEGARAY	a	b	-	a	2	c	c	2	-	c	0	b	a	d	c	c	a	4	c	a	b	a	4	b	-	1	13
Total de respuestas correctas	1	1	0	3	5	7	3	10	1	1	2	6	4	2	2	7	4	25	2	5	5	5	17	2	4	6	65
Porcentaje (%)	4	3.6	0	11	17.86	50	21	71.43	7	7.1	14.29	14	10	4.8	5	17	10	59.52	7.1	18	18	17.9	60.71	14	29	42.86	46

FINAL TEST LOS AQUIJES

Question	BUILDING LICENSE MANUAL						PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL						WATCHING OVER MANUAL										PROJECT BANK			TOTAL						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		44	45				
	Sub total						Sub total				Sub total						Sub total										Sub total									
Right answer	b	a	c	b	a	a	c	10	9	3	c	b	a	c	b	b	c	b	a	c	d	c	b	b	d	d	d	d	a	d	b	b				
Name participants	ANSWER						ANSWER				ANSWER						ANSWER										Resp.									
LUISA ALINDA MANRIQUE MUÑOZ	b	a	a	b	a	a	5	c	X	X	a	1	b	b	c	b	b	b	4	b	c	c	d	c	b	b	d	d	d	d	a	d	12	b	2	33
MARLON VIDAL BAUTISTA	b	a	a	b	a	a	5	c	X	X	c	2	b	b	c	b	b	b	4	c	c	c	d	c	b	b	d	a	d	d	a	d	10	b	2	32
DENNIS RODOLFO URIBE QUINTANA	b	a	a	b	a	a	5	c	X	X	a	1	b	b	c	b	b	b	4	b	c	c	d	c	b	b	d	d	d	d	a	d	12	b	2	35
RAUL BARDALEZ ECHEGARAY	b	a	a	b	a	a	5	c	X	X	a	1	b	b	c	b	b	b	4	b	d	c	d	c	b	d	d	a	d	d	a	d	10	b	2	32
Total right answers	4	4	0	4	4	4	20	4	0	0	1	5	4	0	4	4	4	0	16	3	0	4	4	4	4	3	4	2	4	4	4	4	44	4	8	132
Percentage (%)	17	17	0	17	17	17	83.33	25	0	0	6.3	31.25	17	0	17	17	17	0	66.67	8.8	0	7.7	7.7	7.7	7.7	5.8	7.7	3.8	7.7	7.7	7.7	84.62	50	100	73	

TRAINING EFFETIVENESS										
QUESTION	46	47	48	49						Sub total
RIGHT ANSWER										
NAME PARTICIPANTS	ANSWER									
LUISA ALINDA MANRIQUE MUÑOZ	c	a	a	MORE CONSTANT, MORE VIDEOS						
MARLON VIDAL BAUTISTA	c	a	a	MORE CONSTANT						
DENNIS RODOLFO URIBE QUINTANA	d	a	a	CONTINUOUS DISSEMINATION TO THE BENEFITED POPULATION						
RAUL BARDALEZ ECHEGARAY	c	a	a	MORE CONSTANT TRAINING AND TO THE POPULATION IN GENERAL (POPULATION)						
Total answers a)	0	4	4							
Total answers b)	0	0	0							
Total answers c)	3	0	0							
Total answers d)	1	0	0							

DISTRICT MUNICIPALITY OF SAN JUAN BAUTISTA

INITIAL TEST SAN JUAN BAUTISTA

Question	BUILDING LICENSE MANUAL				PROTOTYPE DRAWING		MANUAL OF SIMPLE INSPECTION		WATCHING OVER MANUAL						MINIMUM REQUIREMENTS				PROJECT BANK		TOTAL						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
	b	a	a	a	c	c	c	b	b	a	c	d	c	a	c	a	b	a	b	b							
Name participants	Answer				Answ		Answ		Answer						Answer				Answ								
ANIBAL RAMOS GARCIA	b	a	-	a	2	c	c	2	b	c	0	b	d	-	d	d	-	2	d	a	-	c	1	a	b	1	8
LUPE CAROLINA ESCATE VALENCIA	-	a	a	a	2	b	c	1	d	a	0	b	a	a	a	b	b	2	b	a	b	-	2	a	a	0	7
ROSA GUILLERMINA QUIISPE ESPINO	-	a	a	a	2	c	-	1	d	b	1	b	-	-	c	-	2	b	a	-	-	1	-	b	1	8	
MELISSA YOHANA SIGUAS FLORES	c	b	c	a	2	c	c	2	c	b	2	b	c	d	d	c	a	4	b	a	b	a	3	a	a	0	13
JUAN ANTONIO RAMIREZ BAUTISTA	c	b	c	a	2	c	c	2	d	b	1	b	a	a	c	a	b	2	b	a	b	a	3	a	a	0	10
ROSA ELENA MASSA URIBE	d	b	d	-	1	c	a	1	d	b	1	b	a	-	c	b	-	2	d	a	-	d	1	a	b	1	7
BARTOLOME GUILLERMO URIBE ANDRADE	a	-	-	-	0	c	a	1	d	a	0	b	a	d	c	c	a	4	b	-	d	a	1	a	-	0	6
JUAN RAUL UCEDA CORDERO	a	a	a	a	2	c	a	1	d	c	0	b	a	b	c	c	a	4	d	a	b	a	3	c	a	0	10
JORGE VIDAL LEVANO TOLEDO	d	d	a	c	1	c	c	2	d	c	0	b	a	d	c	c	b	3	a	a	b	c	2	c	a	0	8
JUAN MANUEL PAUCARA TRIBIÑOS	c	a	a	a	2	c	a	1	b	b	1	b	a	d	d	c	a	5	d	d	d	d	0	a	a	0	9
LOURDES PAOLA LOZAN RIOS	c	b	a	a	3	c	c	2	b	c	0	b	a	a	d	c	c	4	a	d	b	a	2	a	b	1	12
Total de respuestas correctas	1	4	6	8	19	10	6	16	1	5	6	11	8	0	4	7	4	34	0	8	6	5	19	0	4	4	98
Porcentaje (%)	2.3	9.1	14	18	43.18	45	27	72.73	15	23	27.27	17	12	0	6	11	6	51.52	0	18	14	11.4	43.18	0	18	18.18	45

FINAL TEST - SAN JUAN BAUTISTA

Question	BUILDING LICENSE MANUAL						PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL						WATCHING OVER MANUAL										PROJECT BANK		TOTAL							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	44	45				
	b	a	c	b	a	a	c	x	x	c	2	b	b	c	c	a	c	3	b	a	d	d	c	a	d	d	c	d		a	c	a	b			
Name participants	ANSWER						ANSWER				ANSWER						ANSWER										Resp.									
ROSA GUILLERMINA QUIISPE ESPINO	a	a	b	b	a	a	4	c	x	x	c	2	b	b	c	c	a	c	3	b	a	d	d	c	a	d	d	c	d	a	c	a	b	1	27	
MELISSA YOHANA SIGUAS FLORES	c	a	b	b	a	a	4	c	x	x	a	1	b	b	a	b	b	a	3	b	a	d	d	c	b	b	a	b	a	a	b	c	a	0 <td>27</td>	27	
ROSA ELENA MASSA URIBE	a	a	a	d	a	a	2	c	x	x	c	2	b	b	c	c	c	c	3	b	a	d	d	c	a	d	d	c	d	d	c	c	b	1 <td>25</td>	25	
BARTOLOME GUILLERMO URIBE ANDRADE	b	a	b	b	a	a	5	c	x	x	c	2	b	a	b	b	c	a	3	b	c	c	a	c	a	b	b	a	b	a	a	d	c	a	0 <td>23</td>	23
JUAN RAUL UCEDA CORDERO	b	a	b	a	a	3	c	x	x	c	2	b	a	c	c	b	b	4	b	d	c	d	c	d	a	a	b	d	a	d	c	b	1 <td>27</td>	27		
LOURDES PAOLA LOZAN RIOS	b	a	b	b	a	a	5	c	x	/	a	2	b	b	c	b	b	e	5	b	a	c	d	c	b	a	b	a	d	d	a	a	b	1 <td>35</td>	35	
ROSARIO GARIBAY PACHAS	b	a	b	b	a	a	5	c	x	/	a	2	b	b	c	b	b	c	5	b	a	c	d	c	b	a	b	a	d	d	a	a	b	1 <td>35</td>	35	
Total right answers	4	6	0	5	7	6	28	7	0	2	4	13	7	2	5	4	4	4	26	7	5	5	6	7	3	2	2	2	2	5	6	4	0	5	5	199
Percentage (%)	9.5	14	0	12	17	14	66.67	25	0	7.1	14	46.43	17	4.8	12	9.5	9.5	9.5	61.9	7.7	5.5	5.5	6.6	7.7	3.3	2.2	2.2	2.2	5.5	6.6	4.4	0	36	35.71	63	

		TRAINING EFFETIVENESS											
QUESTION	46	47	48								49		
RIGHT ANSWER													
NAME PARTICIPANTS	Answer												
ROSA GUILLERMINA QUIISPE ESPINO	d	b	a	Masons should be also be trained									
MELISSA YOHANA SIGUAS FLORES	d	b	b	Not only talking, multimedia projection									
ROSA ELENA MASSA URIBE	d	a	a	Training masons of the district and Ica also									
BARTOLOME GUILLERMO URIBE ANDRADE	d	a	a	More frequently and provide leaflets									
JUAN RAUL UCEDA CORDERO	b	b	b	more availability of participants in a proper hour									
LOURDES PAOLA LOZAN RIOS	c	a	a	not such technical terms so all can understand, not only those in construction									
ROSARIO GARIBAY PACHAS	c	a	a										
Total answers a)	0	5	6										
Total answers b)	2	4	3										
Total answers c)	2	0	0										
Total answers d)	5	0	0										

REGIONAL GOVERNMENT OF ICA

INITIAL TEST - ICA REGIONAL GOVERNMENT

Question	BUILDING LICENSE MANUAL				PROTOTYPE DRAWING		MANUAL OF SIMPLE INSPECTION		WATCHING OVER MANUAL						MINIMUM REQUIREMENTS				PROJECT BANK			TOTAL						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20								
Right answer	b	b	a	a	c	c	c	b	b	a	c	d	c	a	c	a	b	a	b	b								
Name participants	Answer				Answer		Answer		Answer						Answer				Answer									
VICTOR DE LA CRUZ PALOMINO	c	a	a	a	2	c	a	1	a	d	0	b	a	d	c	c	a	4	b	a	b	a	a	3	c	b	1	11
ZACARIAS CAMARENA RODRIGUEZ	b	d	a	a	3	c	c	2	d	b	1	b	d	d	d	c	a	4	c	a	b	a	a	4	a	b	1	15
MIGUEL FELIX CARPIO DONAYRE	c	a	a	a	2	c	c	2	d	c	0	b	a	d	c	c	a	4	a	c	b	c	c	1	c	a	0	9
HILARIO LUIS LUYO GOMES	c	a	a	a	2	c	c	2	d	c	0	b	a	d	c	c	a	4	b	a	b	c	c	2	b	a	1	11
Total of right answers	1	0	4	4	9	4	3	7	0	1	1	4	3	0	1	4	4	16	1	3	4	2	10	1	2	3	46	
Percentage (%)	6.3	0	25	25	56.25	50	38	87.5	0	13	12.5	17	13	0	4.2	17	17	66.67	6.3	19	25	13	62.5	13	25	37.5	57.5	

FINAL TEST - ICA REGIONAL GOVERNMENT

Question	BUILDING LICENSE MANUAL						PROTOTYPE DRAWINGS				SIMPLE INSPECTION MANUAL						WATCHING OVER MANUAL										PROJECT BANK			TOTAL						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		44	45				
Right answer	b	a	c	b	a	a	c			c	b	a	c	b	b	c	b	a	c	d	c	b	b	d	d	d	d	a	d	a	b	b				
Name participants	Answer						Answer				Answer						Answer										Answer									
ZACARIAS CAMARENA RODRIGUEZ	b	a	b	b	a	a	5	c	x	x	a	1	b	b	c	c	b	b	3	b	d	a	d	c	b	a	d	d	c	d	a	d	a	b	1	30
HILARIO LUIS LUYO GOMES	-	a	b	b	a	a	4	c	x	x	a	1	b	b	c	b	c	a	3	b	d	b	d	c	b	a	c	a	-	d	a	a	a	a	0	21
Total of right answers	1	2	0	2	2	2	9	2	0	0	0	2	2	0	2	1	1	0	6	2	0	0	2	2	2	0	1	1	1	2	2	1	0	1	1	51
Porcentaje (%)	8.3	17	0	17	17	17	75	25	0	0	0	25	17	0	17	8.3	8.3	0	50	7.7	0	0	7.7	7.7	7.7	0	3.8	3.8	3.8	7.7	7.7	3.8	0	25	25	57

TRAINING EFFETIVENESS

Question	46	47	48	49									
Right answer													
Name participants	Answer												
ZACARIAS CAMARENA RODRIGUEZ	d	a	a	In the training, everything was clear and practical and all trained have to disseminate what they learned									
HILARIO LUIS LUYO GOMES	b	b	b	I suggest dissemination through the radio and to handle pamphlets and more communication with the people									
Total of ANSWERS a)	0	5	6										
Total of ANSWERS b)	2	4	3										
Total of ANSWERS c)	2	0	0										
Total of ANSWERS d)	5	0	0										

APPENDIX 4

COPY OF LIST OF WORKSHOP PARTICIPANTS

SAN JUAN BAUTISTA WORKSHOP ATTENDANCE SHEET

DATE 02/12/2009

Equipo de Estudio de JICA
S. Juan Bautista.
12/02/09

Cuadro para registro de Público en general que participó en el Taller

Nº.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
01	Juan Luis Corra	M	55	San Juan 300 La Alcazar	Empleado	21383410
02	Carlos Rivas Fernández	M	55	Dpto. Pinar del Rio	Empleado	21383585
03	Alma Soraida de Alvarado	F	55	San Juan Bk. C. Alvarado	caso	21504174
04	Esteban (Antonio) Rodríguez	M	46	Calle L-15-03 San Hipólito	Empleado	06336144
05	Andrés Álvarez Escoto	F	49	Tamayo E. guerra de Hato	Empleado	21598110
06	Hugo Hugueta yusta	F	43	Pampa de los Angeles	Empleado	21700220
07	Fernán Cuatrecasas	M	57	San Juan Bk. C. Alvarado	Empleado	21502058
08	Lidia González Betancourt	F	29	Belmonte	Tallerista	21466223
09	Roberto Serrano	M	25	Calle 26-03-208	Empleado	21502247
10	María Inés Rodríguez	F	35	San Juan Bk. C. Alvarado	Empleado	21495233
11	Luzmila Vela Sánchez	F	32	Calle L-15-03 San Hipólito	caso	21505224
12	Yolanda Pérez de S. Quiroz	F	30	San Juan Bk. C. Alvarado	caso	21503432
13	María Inés Pérez de S. Quiroz	F	49	San Juan Bk. C. Alvarado	caso	21503039
14	Patricia Espinosa García	F	27	Calle L-15-03 San Hipólito	Empleado	21503039
15	Diego Carlos Fernández	M	64	SAN JUAN Bk. C. Alvarado	Empleado	21503039
16	Beatriz de la Cruz	F	65	San Juan Bk. C. Alvarado	Empleado	21415233
17	Yolanda Rodríguez	F	44	San Juan Bk. C. Alvarado	Empleado	21383733
18	Wendee Lorenz Rios	F	24	San Juan Bautista	Empleado	
19	Juan Carlos Rodríguez	M	44	San J. Bk.	Empleado	
20	Yolanda Rodríguez	F	42	San J. Bk.	Empleado	
21	Rosa María López	F	42	San J. Bk.	Empleado	

LOS AQUIJES WORKSHOP ATTENDANCE SHEET

DATE 02/27/2009

Equipo de Estudio de JICA
27/02/09
LOS AQUIJES

Cuadro para registro de Público en general que participó en el Taller

Nº.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
01	Julio Sotelo Carreras	M	63	Los Aquijes H. 20	Empleado	21594274
02	Yolanda María Hernández	F	39	Los Aquijes H. 20	Empleado	21526685
03	Yolanda María Hernández	F	43	Los Aquijes H. 20	Empleado	21493433
04	Marciano Cay Campes Yalbio	F	24	Los Aquijes H. 20	Empleado	21493433
05	Yolanda María Hernández	F	34	Los Aquijes H. 20	Empleado	21517446
06	Yolanda María Hernández	F	53	Los Aquijes H. 20	Empleado	21530137
07	Yolanda María Hernández	F	32	Los Aquijes H. 20	Empleado	21530137
08	Yolanda María Hernández	F	32	Los Aquijes H. 20	Empleado	21530137
09	Yolanda María Hernández	F	28	Los Aquijes H. 20	Empleado	21530137
10	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
11	Yolanda María Hernández	F	60	Los Aquijes H. 20	Empleado	21530137
12	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
13	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
14	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
15	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
16	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
17	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
18	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
19	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
20	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
21	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
22	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
23	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
24	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
25	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
26	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
27	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
28	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
29	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
30	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
31	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
32	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
33	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
34	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
35	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
36	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
37	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
38	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
39	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
40	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
41	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
42	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
43	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
44	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
45	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
46	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
47	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
48	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
49	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137
50	Yolanda María Hernández	F	24	Los Aquijes H. 20	Empleado	21530137

LOS AQUIJES WORKSHOP ATTENDANCE SHEET
DATE 02/27/2009

Equipo de Estudio de JICA
27/02/09
Los AQUIJES

Cuadro para registro de Público en general que participó en el Taller

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
	Yolanda Arizama Dualla MA	F	51	Nuevo Sunampe	mi casa	21413779
	Ricardina Panania Palomino	F	50	Nuevo Sunampe	trabajo	09215949
	Gisela Ramos Ramos	F	22	Nuevo Sunampe	mi casa	45964640
	Isabel Villagran Pacheco	F	30	Nuevo Sunampe	Tienda	21533102
	Carolina Lechos Upstauer	F	35	Nuevo Sunampe	su casa	-
	Pablo A. Checc Vega	M	42	Nuevo Sunampe	librero	21476061
	Colette Micaela Santiago	M	56	Nuevo Sunampe	artista	44157068
	José Leonardo Ferrer	M	33	Nuevo Sunampe	abogado	44230162
	Elva Tereza Marina Rodríguez	F	47	Nuevo Sunampe	su casa	22293111
	Florinda Juana Huamán Huamán	F	38	Nuevo Sunampe	su casa	40738929
	Rosario de la Cruz Huamán	M	29	Nuevo Sunampe	deca	42231182
	Hermano Ramos Rojas	M	23	Nuevo Sunampe	estudiante	-
	Adriana Ramos Rojas	M	23	Nuevo Sunampe	estudiante	-
	María Julia Rodríguez	F	47	Nuevo Sunampe	su casa	21452292
	Helena Sánchez	M	32	Nuevo Sunampe	estudiante	-
	Luisa Fernanda Huamán	F	43	Nuevo Sunampe	trabajo	45320892
	Rosario Rosa Vilcaloma	F	39	Nuevo Sunampe	su casa	80340688
	Helena Sánchez	F	30	"	"	19323392
	Rosario García	F	32	"	"	"
	María Mercedes Arce	F	30	"	"	40140254
	Teracia San Juan Valdivia	F	41	"	"	20513001
	Bernadina Godoy	F	43	"	"	"
	Aracely Rodríguez	M	29	Nuevo Sunampe	consultante	8068139

LOS AQUIJES WORKSHOP ATTENDANCE SHEET
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Equipo de Estudio de JICA
LOS AQUIJES
25/02/09

Cuadro para registro de Público en general que participó en el Taller

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
	Rosalia Toledo Sánchez	F	32	Nuevo Sunampe	ama de casa	20550642
	Aray Amalia Barrera	F	21	Los AQUIJES Quevedo Acobamb	OBRA	470015612
	Julia de la Cruz Santos	F	39	Los AQUIJES Quevedo Acobamb	ama de casa	21512261
	Yolanda Cárdenas	F	51	Los AQUIJES Quevedo Acobamb	ama de casa	21413779
	Rosario de la Cruz Santos	F	37	Los AQUIJES Quevedo Acobamb	trabajo	44231177
	Joselina Hernández Vega	F	81	El Arenal Perito de AQUIJES	chilera	21425529
	Aracely Rojas	F	42	Nuevo Sunampe	trabajo	28840881
	Aracely Huamán Huamán	F	35	LOS AQUIJES	arquitecta	22196208
	José María Huamán	M	61	CC. P.M. EL HUARPE	trabajo	22050191
	Rosario de la Cruz Santos	F	44	Quevedo Acobamb	OBRA	21400431
	José María Huamán Huamán	M	47	Quevedo Acobamb	ama de casa	21570709
	Aracely Huamán	F	59	Nuevo Sunampe	su casa	-
	Hermano Ramos Rojas	M	21	Nuevo Sunampe	estudiante	-
	María de la Cruz Santos	F	30	Nuevo Sunampe	su casa	20719620
	Bernadina Godoy	F	46	CC. ROSARIO DE LA CRUZ	trabajo	-
	María de la Cruz Santos	F	46	CC. ROSARIO DE LA CRUZ	trabajo	23550231
	María de la Cruz Santos	F	00	Los AQUIJES	su casa	2192613
	María de la Cruz Santos	F	30	Los AQUIJES	Estudiante	21173301
	Bernadina Godoy	F	43	Nuevo Sunampe	su casa	-
	TERECIA SAN JUAN VALDIVIA	F	61	NUEVO SUNAMPE	trabajo	25517048
	Yolanda Cárdenas	F	62	Los AQUIJES	trabajo	21425325
	Yolanda Cárdenas	F	47	Nuevo Sunampe	su casa	21452292
	Trinidad Santos	F	25	Nuevo Sunampe	su casa	43403105
	Aracely Rodríguez	F	69	Nuevo Sunampe	su casa	21483328

LOS AQUIJES WORKSHOP ATTENDANCE SHEET
DATE 02/25/2009

Equipo de Estudio de JICA
LOS AQUIJES
25/02/09

Cuadro para registro de Público en general que participó en el Taller

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
1-	Emiliano José de la Cruz	M	40	Nuevo Sumate	mi casa	22194209
2-	Aracelis Hernández Cordero	F	34	C.P. El Original 2da etapa	Tienda de ropa	21554669
3-	Rosario Hernández Hernández	F	30	El Original	comerciante	21472603
4-	Marcelo José Bautista Díaz	M	37	FCA Casa El H.	comerciante	21467202
5-	Ricardina Fariña Fariña	F	50	de San Carlos nuevo Sumate	su casa	09219445
6-	Alma Cecilia de la Cruz	F	38	C.P. Los Aquijes	OTM de casa	21472700
7-	Marcelo José García	M	36	C.P. YAVRIELA	OT Colmado	21473520
8-	Julia María de la Cruz	F	39	C.P. Yavriela	Ministerio de Salud	21520034
9-	Yolanda Valencia López García	M	25	C.P. Yavriela	profesante	42270069
10-	María Hernández Pineda	F	37	C.P. Pasito Chico	T.G. Panamericana	21436542
11-	Rosa E. López R.	F	49	Los Aquijes	Aquijos	22194442
12-	Esmeralda Rodríguez Ynduráin	F	31	Los Aquijes	su casa	21433831
13-	María Elena Gómez	F	31	Los Aquijes	Tienda	21520030
14-	Julia C. Hernández Rojas	F	24	Calle 3 de Octubre	Estudiante	21473520
15-	María del Carmen López	F	62	C.P. Aquijes	Amo casa	21473520
16-	Julia Zúñiga Gutiérrez	F	40	Calle 2 de Octubre	OTM de casa	21476129
17-	Jesús Fernando Martínez	M	51	T.G. HUANAGUARA	CHOFER	21473520
18-	Carolina Hernández López	F	32	C.P. El Original	Presidenta	22194336
19-	Aracelis Hernández Cordero	M	50	C.P. El Original	T.G. El Original	21473520

PISCO WORKSHOP ATTENDANCE SHEET
DATE 02/19/2009

Equipo de Estudio de JICA
PISCO
19/02/09

Cuadro para registro de Público en general que participó en el Taller

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
49	Aracelis María Valencia de la Cruz	F	68	Juan José Hernández 105	Amo de Casa	22264508
50	Graciela Fariña de la Cruz	F	51	Dr. San Mateo N° 994	Amo de Casa	22264549
51	Carolina Fariña Medina	F	65	Manuel Roldán N° 605	"	22266094
52	María del Carmen Palencia	F	30	Pasaje 2mas	"	22305862
53	José María Hernández	M	42	"	Amo de Casa	30025982
54	Rosario López Gómez	M	41	"	Amo de Casa	20273000
55	Felicita Cruz Flores	F	31	Pasaje Bolívar N° 70	Amo de Casa	20034460
56	Rosa Guinda Aguilar	F	30	Pasaje Bolívar	"	43625966
57	Marcelina Cruz Díaz	F	50	"	"	22274433
58	María del Carmen Torres	F	22	"	"	45030280
59	María del Carmen Cruz	M	24	"	Estudiante	45074406
60	Sergio Hernández Pineda	M	31	"	"	22264447
61	Aracelis María Torres	F	33	"	Amo de Casa	"
62	Urbano Cruz Torres Hernández	F	51	" Ama de casa	Amo de Casa	22266943
63	Rosario López Gómez	M	62	Manuel Roldán N° 536	Profesor	22266912
64	Emilio José Hernández Pineda	M	34	Pasaje Bolívar	Comerciante	22305802
65	Milagros Torres Pineda	F	25	" Ama de Casa	Amo de Casa	25182340
66	Aracelis María Torres	F	42	Manuel Roldán N° 536	"	80020093
67	Sara Hernández Huapaya	F	30	"	"	46152020
68	Rosario López Gómez	F	41	"	"	30330046
69	Yolanda Valencia López	F	30	Bolívar N° 546	"	20306012
70	Esmeralda Rodríguez Ynduráin	F	33	P.J. San Mateo N° 503	"	80031222
71	Carolina Fariña Medina	F	52	Bolívar N° 542	"	22266943
72	José María Hernández	M	57	Av. 10 de Agosto N° 1000	Comerciante	22266943

PISCO WORKSHOP ATTENDANCE SHEET

DATE 02/19/2009

Equipo de Estudio de JICA
17/02/09

Pisco

Cuadro para registro de Público en general que participó en el Taller

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
25	Julio Hugo Torres	M	52	Ctra. Poblada E. de M. Hué	Obrero	22271088
26	Cecilia Uruguay Rodríguez	F	46	Ctra. Poblada E. de M. Hué	Obrera	22230114
27	Luisa Ramírez de Madrid	F	50	Los Banderas 155	Señora	22254909
28	Hector Quiroz de Castro	F	72	Piquis	Dueño de Casa	22272222
29	Florencia Vargas	F	52	Guilfoya Piedad M. A. U. S.	"	22248013
30	Miguel Ángel Pizarro	F	45	Avda. Pizarro - Cerro Amador	Comerciante	22246426
31	Luisa María Pizarro	F	38	" 15 de Agosto	Dueña de Casa	44235342
32	Graciela Gabriela Fuentes	F	29	"	"	41043262
33	Carolina Calzadilla	F	40	"	"	22229322
34	Pablo Alvarado	F	23	"	"	43707502
35	Sandra Jaimes Rodríguez	F	22	"	"	43762226
36	Tania María Zúñiga	F	23	"	"	43728213
37	Florencia Jaimes Rodríguez	M	20	"	Obrero	45304923
38	Luisa María Jaimes	F	22	Coop. Promoción Agraria	Dueña de Casa	21416015
39	Marta Carolina Rodríguez	F	19	Avda. Pizarro - 15 de Agosto	"	70200026
40	Isabel María Rodríguez	F	45	Av. 30 de Agosto 1507	"	22306129
41	Evelyn Pizarro Fuentes	F	24	Avda. 15 de Agosto	"	40822124
42	Amalia Pizarro Fuentes	M	20	"	Obrero	44833771
43	Marta Pizarro Fuentes	F	40	Avda. 15 de Agosto	Dueña de Casa	22206214
44	Florencia Pizarro Fuentes	F	33	28 de Julio 118 - Pisco	"	21363030
45	Clara Mercedes Rodríguez	F	46	Avda. Pizarro 433-A	"	22267426
46	Pablo Pizarro Fuentes	F	24	Avda. 15 de Agosto	"	22206208
47	Marta Pizarro Fuentes	F	32	"	"	22246306
48	María Mercedes Rodríguez	F	33	"	"	22225025

PISCO WORKSHOP ATTENDANCE SHEET

DATE 02/19/2009

Equipo de Estudio de JICA
17/02/09

Pisco

Cuadro para registro de Público en general que participó en el Taller

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
01	María Mercedes	F	41	Calle Mantel Humay 906	Ama de casa	22222212
02	Tania Mercedes	F	32	Calle Mantel Humay 906	Ama de casa	10002223
03	Rita Mercedes	F	31	Calle Mantel Humay 906	Ama de casa	22222222
04	Carla Elizabeth Flores	M	35	Calle Mantel Humay 906	"	24222222
05	Rosa María	F	52	Calle Mantel Humay 906	"	22222222
06	Sonia Jaimes	F	18	Avda. Pizarro 52 Pisco	"	46248124
07	Carolina Pizarro	F	23	"	"	43602212
08	Marta Pizarro	F	23	"	"	40312222
09	Wendy Pizarro	M	56	C.P. Municipal 1100 2 19	Obrero	22206222
10	Carlos Pizarro	M	36	Calle Mantel Humay 906	"	22222222
11	Luisa María Charalaza	F	36	Avda. Pizarro 52 Pisco	Dueña de Casa	22222222
12	Pablo Roca Hurtado	M	26	Avda. Pizarro 52 Pisco	Empleado	22222222
13	Danny María Pizarro	F	24	Dunas de Villa 5-2	Ama de casa	44877022
14	Florencia Pizarro	F	24	Juan José Rodríguez	"	40623422
15	Sandra Pizarro	F	23	Calle 5 de Noviembre 41	"	"
16	Roberto Pizarro	M	22	Calle 5 de Noviembre 41	Obrero	"
17	Pablo Pizarro	F	26	Calle Pizarro 52 Pisco	Dueña de Casa	42242222
18	Florencia Pizarro	M	61	Calle Pizarro 52 Pisco	Obrero	22246222
19	Tania Pizarro	F	25	Avda. Pizarro 52 Pisco	A.C.	41647222
20	Evelyn Pizarro	F	21	Avda. Pizarro 52 Pisco	Dueña de Casa	44310222
21	Sandra Pizarro	F	31	Avda. Pizarro 52 Pisco	"	22206222
22	Marta Pizarro	F	31	Avda. Pizarro 52 Pisco	"	22206222
23	Sandra Pizarro	F	35	Calle Mantel Humay 906	"	21322222
24	Sandra Pizarro	F	25	Avda. Pizarro 52 Pisco	"	44222222

CHINCHA WORKSHOP ATTENDANCE SHEET

DATE 02/12/2009

Equipo de Estudio de JICA

Cuadro para registro de Público en general que participó en el Taller 12/02/09 (CHINCHA)

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
01	ALMEYDA NUB Gilceles Alvarez	M	36	AV. Nacional Benavides #1025	Cajero	21663387
02	VEDRIS FERNANDEZ ABRAHAM	M	65	Av. de la Libertad # 22	Libre	2188124
03	Rojas Diones Leticia	F	68	Av. de la Libertad # 22	Libre	2188124
04	...	M	13	...	...	...
05	...	M	24	...	...	...
06	...	F	34	...	...	...
07	...	M	36	...	...	...
08	...	F	31	...	...	...
09	...	M	40	...	...	...
10	...	M	37	...	...	...
11	...	M	40	...	...	...
12	...	F	30	...	...	...
13	...	F	36	...	...	...
14	...	F	45	...	...	...
15	...	M	46	...	...	...
16	JOSE A. LEONARDO BERRIO	M	55	...	...	21886247
17	...	M	30	...	...	...
18	...	M	35	...	...	...
19	...	F	35	...	...	...
20	...	M	30	...	...	...
21	...	F	27	...	...	...
22	...	M	59	...	...	...
23	...	M	72	...	...	...
24	...	M	61	...	...	...

CHINCHA WORKSHOP ATTENDANCE SHEET

DATE 02/12/2009

Equipo de Estudio de JICA

Cuadro para registro de Público en general que participó en el Taller 12/02/09 (CHINCHA)

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
1	...	F	30	...	...	...
2	...	F	53	...	...	...
3	...	M	70	...	...	...
4	...	M	62	...	...	...
5	...	M	52	...	...	...
6	...	M	70	...	...	...
7	...	M	39	...	...	...
8	...	M	58	...	...	...

GROCIO PRADO WORKSHOP ATTENDANCE SHEET
DATE 02/24/2009

Equipo de Estudio de JICA

Cuadro para registro de Público en general que participó en el Taller 24/02/09 (Grocio Prado)

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
1	GLORIA GUSTAVO CARRA	F	45	URUGUAY 24111111		71572512
2	DORA YAGODA BARRERA BARRERA	F	28	MS FELIX AMARAL 4000000000	AMA DE CASA	40482265
3	ELSA YOLANDA TRAYCO	F	58	Calle Pizarro 387 - Torre Puntilla	AMA DE CASA	21804944
4	Dora Teresa Rivera Rodríguez	F	45	AV. Antenor Jara 1. 70. Casapina	AMA DE CASA	21802019
5	Pablo Antonio García Salazar	M	73	AV. Antenor Jara 70 Casapina	Historico	21802279
6	Germán A. Ocasio de la Cruz	M	17	CRIS. Huancayo Eusebio Ceballos	ADOLESC	1060300099
7	Wladimir Acosta Torres	M	22	Tienda Calles	ADOLESCENTE	436035933
8	Geoffrey Sotomayor	M	43	LA GUARIDA - 518	EMPLEADO	21795491
9	Edo Felipe Sotomayor	M	30	Huancayo de la zona 7000	Estudiante	41799436
10	Francisco Acosta Torres	M	22	LA GUARIDA - 518	ADOLESCENTE	436035933
11	Wladimir Acosta Torres	M	57	USPAM Huancayo ME - L. 4	PROFESOR	21820935
12	ARMANDO BARRERA	M	32	C.P. Huancayo 2000000000	COMERCiante	61804202
13	Juan Teodoro Guerra Gutiérrez	M	48	C.P. Huancayo 2000000000	PROFESOR	21820935
14	Eugenio Acosta Torres	M	40	C.P. Huancayo 2000000000	PROFESOR	21820935
15	Jorge Acosta Torres	M	24	C.P. Huancayo 2000000000	ADOLESCENTE	21820935
16	Pablo Acosta Torres	M	17	C.P. Huancayo 2000000000	ADOLESCENTE	21820935
17	Hugo Acosta Torres	F	24	C.P. Huancayo 2000000000	ADOLESCENTE	21820935
18	Dora Acosta Torres	F	53	C.P. Huancayo 2000000000	ADOLESCENTE	21820935
19	Wladimir Acosta Torres	M	32	C.P. Huancayo 2000000000	ADOLESCENTE	21820935
20	Laura Acosta Torres	F	31	C.P. Huancayo 2000000000	ADOLESCENTE	21820935
21	Francisco Acosta Torres	M	26	C.P. Huancayo 2000000000	ADOLESCENTE	21820935
22	Francisco Acosta Torres	F	41	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
23	Isabel Acosta Torres	F	44	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
24	Felipe Acosta Torres	M	47	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
25	Dora Acosta Torres	F	30	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935

GROCIO PRADO WORKSHOP ATTENDANCE SHEET
DATE 02/24/2009

Equipo de Estudio de JICA

Cuadro para registro de Público en general que participó en el Taller 24/02/09 (Grocio Prado)

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
26	Isabel Acosta Torres	F	45	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
27	Wladimir Acosta Torres	M	63	Tienda Calles	ADOLESCENTE	21820935
28	Humberto Acosta Torres	M	60	Calle Pizarro 387 - Torre Puntilla	ADOLESCENTE	21820935
29	Francisco Acosta Torres	M	54	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
30	Wladimir Acosta Torres	F	35	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
31	Edo Acosta Torres	F	44	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
32	Laura Acosta Torres	M	32	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
33	Francisco Acosta Torres	F	33	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
34	Rodrigo Acosta Torres	M	52	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
35	Francisco Acosta Torres	F	31	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
36	Hugo Acosta Torres	F	35	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
37	Francisco Acosta Torres	F	21	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
38	Francisco Acosta Torres	F	36	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
39	Francisco Acosta Torres	F	48	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935
40	Francisco Acosta Torres	F	44	AV. Antenor Jara 70 Casapina	ADOLESCENTE	21820935

TAMBO DE MORA WORKSHOP ATTENDANCE SHEET

DATE 03/04/2009

Equipo de Estudio de JICA

Cuadro para registro de Público en general que participó en el Taller

04/03/09 (TAMBO DE MORA)

No.	Nombres y Apellidos	Sexo	Edad	Dirección	Ocupación	DNI
1	Carmen Hilgado Sorenda Mendo	F	30	NUEVOTAMBO DE MORA H2C LT29	cas a	80996080
2	María Lorena Sosa de	M	25	UPEL N° 115 - San Clemente	UPEL	21780698
3	Maria Emilia Chedina Chumpitaz	F	66	Tambo de MORA H2E3 LT34	Casa	21853601
4	Margarita Lopez Lizaso	F	46	Nuevo Tambo de MORA H2E2 LT13	Casa	21787359
5	Janet Hilda Legaria	F	55	Nuevo Tambo de MORA H2C2 LT25	CASA	21853104
6	Kely Garcia Mateo	F	20	DV. 2 MAYO 295 TAMBO DE MORA	CASA	46275723
7	Maria Juana Vio de Campo	F	76	A2 L13 Nuevo Tambo de MORA	CASA	21852482
8	Florencia Juana Fajardo	F	58	B2 L14 Nuevo Tambo de MORA	CASA	21826135
9	Pablo Barrios Migallones	M	47	Nuevo Tambo de MORA H2E1 - LT26		21852608
10	Sergio Dario Pachon Abuyeda	M	70	Nuevo Tambo de MORA H2B1 - L16	Proceder	21852383
11	Hector Hilda Rojas	M	88	Nuevo Tambo de MORA H2E1 - LT16		21852504
12	E.T. PROPIO CASA			PROPIETARIO NUEVO TAMBO DE MORA		
13	Juanita Francisca Sosa de	F	79	nuevo tambo de MORA H2E1 - LT26		21854000
14	Julia Martinez de Migallones	F	77	nuevo tambo de MORA H2E1 - LT26	CASA	21852523
15	Carolina Mayuri Villameres	F	32	Procl. G. 01 # 115 T.M.	CASA	21875569
16	Agneda Loayza Medina	F	59	DV. BOMANDA E. 15. T.M.	CASA	
17	Juana Felya Loayza	F	50	UPEL Juan M. L. L. I. T. M.	UPEL	21853981
18	JORGE LOSOLA GARCIA	M	56	Nuevo Tambo de MORA H. A. L. 7	Proceder	21852906
19	EDUARDO BARRON TRACENO	M	43	UPEL U. LIMA CEU - H2B L0E 12	PESADOR	21872355
20	GRACIS JORGE QUIROZ	F	67	UPEL U. LIMA CEU - H2B L0E 12	AMA DE CASA	21853403

APPENDIX 5 COPY OF MUNICIPAL/MAYOR RESOLUTIONS ON CREATION OF PROJECT BANK

PROVINCE MUNICIPALITY OF CHINCHA

RESOLUCIÓN No. 148 -2008-A/MPCH

Chincha Alta, 27 de Febrero de 2009

Vistos: El Oficio JICA-TS-001/2009, de fecha 02 de febrero de 2009, presentado a esta entidad con el Rqto. N° 844-83-2009, suscrito por Kyoichi Sugiyama, Experto en Estructuras Sismorresistentes, de la AGENCIA DE COOPERACIÓN INTERNACIONAL DEL JAPÓN - JICA, sobre entrega de planos prototipos para ser incluidos en el Banco de Proyectos de la Municipalidad Provincial de Chincha;

CONSIDERANDO:

Que, el Artículo 184° de la Constitución Política del Perú, modificado por el Artículo Único de la Ley No. 28607, en concordancia con el Artículo II del Título Preliminar de la Ley Orgánica de Municipales N° 27972, establece que las Municipalidades Provinciales y Distritales como órganos de Gobierno Local, tienen autonomía política, económica y administrativa en los asuntos de su competencia;

Que, el Artículo 86° de la Ley Orgánica de Municipalidades N° 27972, establece que una de las funciones de las municipalidades son la de flexibilizar y simplificar los procedimientos de obtención de licencias y permisos en el ámbito de jurisdicción, sin obviar las normas técnicas de seguridad, refiriendo el elaborar junto con las instancias correspondientes, evaluaciones de impacto de los programas y proyectos de desarrollo económico local;

Que, por Acuerdo N° 62-2007-MPCH, del 05 de noviembre de 2007, se aprobó la creación de un Banco de Proyectos de Viviendas, en las que incluyen los modelos únicos de viviendas, presentadas por las diferentes instituciones a través de sus constructoras, tales como COPRODELI, FOR SUR, COPROVIDIQ, del Gobierno Venezolano, entre otras;

Que, el administrado presenta a esta Entidad, los planos prototipos elaborados por la Empresa MASTER BUILDING INGENIEROS S.A.C, los mismos que servirán para implementar el Banco de Proyectos de la Municipalidad Provincial de Chincha, los mismos que constan de 04 tipos de diseños de vivienda básicas, cada uno de estos tipos de diseño contienen 16 modelos que varían según las condiciones habitacionales mínimas que requiera el usuario; asimismo dichos plano prototipos cuentan con memoria descriptiva y planos de arquitectura, estructuras, instalaciones eléctricas, instalaciones sanitarias, análisis sísmico del prototipo, 01 juego la matriz de prototipos y certificados de habilitación de cada profesional responsable;

Que, el Jefe de la División de Control Urbano, con fecha 12 de Febrero de 2009, comunica que según la documentación presentada, se aprecia los planos de prototipo N° 01, con área de 16.38 m2, Prototipo N° 02, con un área de 35.47 m2, prototipo N° 03, con un área de 43.23 m2 y prototipo N° 04, con un área de 53.13 m2, indicando que cada prototipo de vivienda contiene 16 alternativas que varían según el tipo de suelo, de techo, de instalación eléctrica, y de instalación sanitaria; siendo por lo tanto procedente incorporar los planos de prototipos al Banco de Proyectos de la Municipalidad Provincial de Chincha;

Que, siendo así es necesario se incluya dicho proyecto en el Banco de Proyectos de la Municipalidad Provincial de Chincha, debiendo los usuarios solicitar la respectiva licencia de construcción, según lo refiere la Ordenanza N° 05-2008-MPCH, incluyendo el plano de ubicación y documentos que acrediten su propiedad;

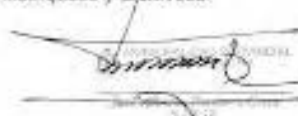
En consecuencia, estando a lo expuesto, planos de proyectos aprobados e informes favorables de la División de Control Urbano, Gerencia de Acondicionamiento Territorial, Provedo de la Gerencia Municipal, de conformidad con la Ley de Regularización de Habitaciones Urbanas y de Edificaciones aprobado por Ley N° 29090, su Reglamento dado por D.S. N° 024-2009-VIVIENDA, Reglamento Nacional de Edificaciones y, a las facultades conferidas por la Ley Orgánica de Municipalidades N° 27972;

SE RESUELVE:

Artículo Primero - Aprobar el proyecto presentada por la AGENCIA DE COOPERACIÓN INTERNACIONAL DEL JAPÓN - JICA, de los planos de prototipos de viviendas que constan de 04 tipos de diseño de viviendas básicas, conteniendo cada uno de los tipos 16 modelos o alternativas que varían según las condiciones habitacionales mínimas que requieran los usuarios; debiendo de incluirse en el Banco de Proyectos de la Municipalidad Provincial de Chincha.

Artículo Segundo - Encargar a la Gerencia de Acondicionamiento Territorial y, a la División de Control Urbano, el control y fiscalización en cumplimiento de la presente Resolución,

Regístrese, comuníquese y archívese.



DISTRICT MUNICIPALITY OF GROCIO PRADO



MUNICIPALIDAD DISTRITAL DE
GROCIO PRADO

RESOLUCION DE ALCALDIA N° 0073 2009-MDGP/AT

Grocio Prado, 18 de marzo del año 2009

Visto



El Informe Técnico N° 059-2009-MDGP-OO/EMVS, emitido por la Oficina de Obras de esta Municipalidad, con referencia al expediente presentado por la Agencia de Cooperación Internacional del Japón – JICA, representada por el señor Ichiro Kobayashi, mediante el cual entregan planos prototipo con la finalidad de que sean incluidos en el Banco de Proyectos de esta Municipalidad.

Considerando

Que, el artículo II del Título Preliminar de la Ley Orgánica de Municipalidades N° 27972, establece que los gobiernos locales gozan de autonomía política, económica y administrativa en los asuntos de su competencia, que esta autonomía radica en la facultad de ejercer actos de gobierno, administrativos y de administración, con sujeción al ordenamiento jurídico.

Que, en sesión ordinaria de fecha 10 de febrero del año 2009 por mayoría calificada, se acordó la creación del Banco de Proyectos de Viviendas, en el que se considerarán principalmente los proyectos que presenten los diversos organismos cooperantes que viene apoyando a la población damnificada por el terremoto del pasado 15 de agosto de nuestro país.

Que, la Agencia de Cooperación Internacional del Japón – JICA, ha entregado a esta Municipalidad planos prototipo con la finalidad de que sean incluidos en el Banco de Proyectos de la Municipalidad distrital de Grocio Prado.

Que, la Oficina de Obras de esta municipalidad, mediante Informe Técnico N° 059-2009-MDGP-OO/EMVS, opina que los planos entregados por la Agencia de Cooperación Internacional del Japón – JICA reúnen los requisitos establecidos en el Reglamento Nacional de Edificaciones. Con



MUNICIPALIDAD DISTRITAL DE
GROCIO PRADO

lo cual se da la conformidad técnica y se recomienda su incorporación al Banco de Proyectos.



Estando a lo expuesto, y de conformidad con la Ley de Regularización de Habitaciones Urbanas y de Edificaciones, aprobada por Ley N° 29070 y su reglamentación aprobada por el D.S. N° 024-2008-VIVIENDA, reglamento Nacional de Edificaciones y a las facultades conferidas por la Ley Orgánica de Municipalidades N° 27972;

SE RESUELVE

Artículo Primero.- INCORPORAR en el Banco de Proyectos de la Municipalidad de Grocio Prado, los planos prototipos de viviendas que consta de 04 diseños de viviendas básicas, conteniendo cada uno de ellos 16 modelos o alternativas, por lo cual se aprueba el proyecto presentado por la Agencia de Cooperación Internacional del Japón - JICA.

Artículo Segundo.- Encargar a la Gerencia Municipal y la Oficina de Obras el cumplimiento estricto de la presente Resolución.

REGISTRARSE, COMUNIQUESE Y CUMPLASE



DISTRICT MUNICIPALITY OF TAMBO DE MORA



MUNICIPALIDAD DISTRITAL DE TAMBO DE MORA

Plaza Grau N° 100 - Telf. 273327

CHINCHA - PERÚ



RESOLUCIÓN N° 206 -A/MDTM-2009

Tambo de Mora, 02 de Marzo del 2009

EU: ALCALDE DE LA MUNICIPALIDAD DISTRITAL DE TAMBO DE MORA

VISTO:

El Informe N° 006 -D/D/MDTM de fecha 02 Marzo del 2009 y Expediente N° 439 del 18/02/09 presentado por la AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON - JICA, representado por el Sr. Ichiro Kobayashi, en la que se presentan Planos Prototipos de 04 tipos de diseño de vivienda básica.

CONSIDERANDO:

Que, el Artículo 194° de la Constitución Política del Perú, modificada por el Artículo Único de la Ley N° 28907, en concordancia con el Artículo II del Título Preliminar de la Ley Orgánica de Municipales N° 27972, establece que las Municipalidades Provinciales y Distritales como órganos de Gobierno Local, tienen autonomía política, económica y administrativa en los asuntos de su competencia;

Que, el Artículo 85° de la Ley Orgánica de Municipalidades N° 27972, establece que una de las funciones de las municipalidades son la de flexibilizar y simplificar los procedimientos de obtención de licencias y permisos en el ámbito de jurisdicción, sin afectar las normas técnicas de seguridad, refiriendo el deber junto con las instancias correspondientes, evaluaciones de impacto de los programas y proyectos de desarrollo económico local;

Que, el administrador AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON - JICA presenta a esta Entidad, 04 tipos de diseño de vivienda básica, los mismos que servirán para implementar el Banco de Proyectos de la Municipalidad Distrital de Tambo de Mora, cada uno de estos tipos de diseño contienen 16 modelos que sirven según las condiciones habitacionales mínimas que requiere el usuario, asimismo dichos planos prototipos cuentan con memoria descriptiva y planos de arquitectura, estructuras, instalaciones eléctricas, instalaciones sanitarias, análisis climático del prototipo, 01 juego de maquetas de prototipos y certificados de habilitación de cada profesional responsable; los cuales se detallan:

Prototipo N° 01: Con un área de 16,38 m² y una distribución arquitectónica de un solo dormitorio y una letrina también tiene la posibilidad de su uso de letrina. Contiene 16 modelos de vivienda que varían según el tipo de suelo, techo, instalación eléctrica e instalación sanitaria. Cada modelo contiene planos completos de arquitectura, estructuras, instalaciones eléctricas e instalaciones sanitarias.

Prototipo N° 02: Con un área de 35,47 m² y una distribución arquitectónica de sala-comedor un dormitorio y un baño o letrina. Contiene 16 modelos de vivienda que varían según el tipo de suelo, techo, instalación eléctrica e instalación sanitaria. Cada modelo contiene

Tambo de Mora Perla del Pacífico - Fuentes del Buen Pescador



MUNICIPALIDAD DISTRITAL DE TAMBO DE MORA

Plaza Grau N° 100 - Telf. 273327

CHINCHA - PERÚ



planos completos de arquitectura, estructuras, instalaciones eléctricas e instalaciones sanitarias.

Prototipo N° 03: Con un área de 43.23 m² y una distribución arquitectónica de sala-comedor, un dormitorio, cocina y un baño o letrina. Contiene 16 modelos de vivienda que varían según el tipo de: suelo, techo, instalación eléctrica e instalación sanitaria. Cada modelo contiene planos completos de arquitectura, estructuras, instalaciones eléctricas e instalaciones sanitarias.

Prototipo N° 04: Con un área de 53.13 m² y una distribución arquitectónica de sala-comedor, dos dormitorios, cocina y un baño o letrina. Contiene 16 modelos de vivienda que varían según el tipo de: suelo, techo, instalación eléctrica e instalación sanitaria. Cada modelo contiene planos completos de arquitectura, estructuras, instalaciones eléctricas e instalaciones sanitarias.

Cada Prototipo contiene también una memoria descriptiva, especificaciones técnicas, análisis sísmico, costos, presupuestos y lista de insumos.

Que, siendo así es necesario se incluya dicho proyecto en el Banco de Proyectos de la Municipalidad Distrital de Tambo de Mora, debiendo los usuarios solicitar la respectiva licencia de construcción, incluyendo el plano de ubicación y documentos que acrediten su propiedad;

En consecuencia, estando a lo expuesto, planos de proyectos aprobados e informes favorables N° 096 DC/MDTM de fecha 02 Marzo del 2009, de conformidad con la Ley de Regularización de Habitaciones Urbanas y de Edificaciones aprobado por Ley N° 29050, su Reglamento dado por S. N° 024-2008-VIVIENDA, Reglamento Nacional de Edificaciones y, a las facultades conferidas por la Ley Orgánica de Municipalidades N° 27972;

SE RESUELVE:

Artículo Primero.- Aprobar el proyecto presentado por la AGENCIA DE COOPERACIÓN INTERNACIONAL DEL JAPÓN - JICA, de los planos de prototipos de viviendas que constan de 04 tipos de diseño de viviendas básicas, conteniendo cada uno de los tipos 16 modelos o alternativas que varían según las condiciones habitacionales mínimas que requieren los usuarios, debiendo de incluirse en el Banco de Proyectos de la Municipalidad Distrital de Tambo de Mora

Artículo Segundo.- Los Planos de los Prototipos de los Módulos de Viviendas aprobadas, forman parte del Banco de Proyectos de la Municipalidad Distrital de Tambo de Mora.

Regístrese, comuníquese y archívese.


MAGISTRADO
Gustavo Y. Rojas Godante
ALCALDE

Tambo de Mora Perla del Pacífico - Fuente del Buen Pescador

PROVINCE MUNICIPALITY OF PISCO



**MUNICIPALIDAD PROVINCIAL
DE PISCO
ALCALDIA**

RESOLUCIÓN N° 044-2009-MPT-ALC

Pisco 16 FEB. 2009

VISTO:

El Informe N° 083-2009-GERU-MPP de fecha 09 de Febrero del 2009, promovido por la Gerencia de Desarrollo Urbano de la Municipalidad Provincial de Pisco.

CONSIDERANDO:

Que, conforme preceptúa el Artículo II del Título Preliminar de la Ley N° 27972 - Ley Orgánica de Municipalidades, la autonomía que la Constitución Política del Perú reconoce a las municipalidades radica en la facultad de ejercer actos de gobierno, administrativos y de administración, con sujeción al ordenamiento jurídico;

Que, mediante documento de vistas, el Gerente de Desarrollo Urbano de la Municipalidad Provincial de Pisco, informa que la **COOPERACIÓN JAPONESA IICA** dentro del Proyecto de Reconstrucción de Vivienda Sismorresistentes en el Perú, ha venido desarrollando estudios en nuestra provincia y entregado materiales que fue elaborado por el equipo de Estudio IICA, el mismo que incluye Planos de Modelos de Vivienda Prototipo, los mismos que han sido evaluados por el área y encontrándose que cumplen con lo establecido en el Reglamento Nacional de Edificaciones, por lo que propone la creación del **BANCO DE PROYECTOS**, mediante resolución municipal, lo cual será de beneficio para la obtención de Licencia de Construcción de los Pobladores Damnificados;

Que, en este contexto, es procedente autorizar la creación del **BANCO DE PROYECTOS**, el mismo que beneficiará a la ciudadanía Piscoña;

Con las visaciones de la Dirección de Asesoría Jurídica, Gerencia de Desarrollo Urbano y Gerencia Municipal.

Estando a lo propuesto, y, en uso de las facultades conferidas en el Artículo 20º inciso 6) de la Ley N° 27972 - Ley Orgánica de Municipalidades.





**MUNICIPALIDAD PROVINCIAL
DE PISCO
ALCALDIA**

RESOLUCIÓN N° 044 -2009-MPP-ALC

SE RESUELVE:



ARTICULO PRIMERO.- APROBAR la creación de BANCO DE PROYECTOS, que se implementará en la Municipalidad Provincial de Pisco, con la asistencia técnica de la Cooperación Japonesa JICA, dentro del Proyecto de Reconstrucción de Viviendas Sismorresistentes en el Perú.

ARTICULO SEGUNDO.- DISPONER que el Banco de Proyectos que se crea por la presente, brindará sus servicios a través de la Gerencia de Desarrollo Urbano.




ARTICULO TERCERO.- ENCOMENDAR a la Gerencia Municipal el cumplimiento de la presente resolución.

Regístrese, Comuníquese y Cumplase.

CONSEJO PROVINCIAL DE PISCO
LIC. ANSELMO MENDOZA ALVARADO



DISTRICT MUNICIPALITY SAN CLEMENTE

Ataca fue equipo de Estado o JICA



**MUNICIPALIDAD DISTRITAL
SAN CLEMENTE
PIRO**
CREADO POR LEY 24151 DEL 05-05-88
ALCALDIA

Av. Atacón N° 315
Tel.: 543200
Dist. San Clemente
Pirou - Puro



"AÑO DE LA UNIDAD NACIONAL FRENTE A LA CRISIS EXTERNA"

RESOLUCIÓN DE ALCALDIA - Nro. 123-2009 -MDSC/ALC

San Clemente, 02 de Marzo del 2009.

EL ALCALDE DE LA MUNICIPALIDAD DISTRITAL DE SAN CLEMENTE

VISTO:

El Informe Nro 091-2009-DUOP-MDSC-PDFA de fecha 23 de Febrero del 2009 presentado por el Jefe de Desarrollo Urbano y Obras Ing. Percy Flores Agrilar, comunicando haber revisado los Planos Prototipo para el Banco de Proyectos de esta Institución Municipal entregados por la Agencia de Cooperación Internacional del Japón - JICA, dando conformidad al mismo y solicitando su aprobación; y,

CONSIDERANDO:

Que, de acuerdo al Art. 194° de la Constitución Política del Perú Las Municipalidades tienen autonomía política, económica y administrativa en los asuntos de competencia y de Acuerdo a Ley.

Que, debido al sismo ocurrido el 15 de Agosto del 2007 la Población tiene la necesidad de contar con una vivienda segura y que cumpla con las condiciones de Sismo Resistente de acuerdo al Reglamento Nacional de Edificaciones.

Que, con la finalidad de brindar un apoyo social a la Población Damnificada a fin de que utilicen un diseño de Modulo Básico de Vivienda en la reconstrucción de sus viviendas, la Agencia de Cooperación Internacional ha mandado elaborar y ha hecho entrega de Planos Prototipo para el Banco de Proyectos de la Municipalidad Distrital de San Clemente, la misma que consiste en 04 tipos de diseño de viviendas básicas, cada uno de estos tipos de diseño contiene 16 modelos que varían según las condiciones habitacionales mínimas que requiere el usuario y que cumplen con las normas establecidas en el Reglamento Nacional de Edificación y además con la revisión y aprobación técnica realizado por el Departamento de Obras, hecho que se prueba con el documento señalado en el visto de la presente resolución, por lo cual es necesario aprobarlo mediante acto resolutorio.

Estando a lo expuesto; y en uso de las facultades conferidas por el Inc. 6) del Art. 20° de la Ley Orgánica de Municipalidades N° 27972, conrado con la viación de la Asesoría Legal, Gerencia Municipal y Desarrollo Urbano y Obras Públicas.


SE RESUELVE:

ARTÍCULO PRIMERO- Aprobar los "PLANOS PROTOTIPO JICA" para el diseño de viviendas básicas, solicitado por la División de Desarrollo Urbano y Obras de esta Institución Municipal, la misma que forma parte de la presente resolución.

ARTICULO SEGUNDO- El costo que se genere para obtener un ejemplar de estos planos será solo el valor de la reproducción por parte de las personas damnificadas, debidamente acreditadas por el Comité de Defensa Civil de San Clemente.

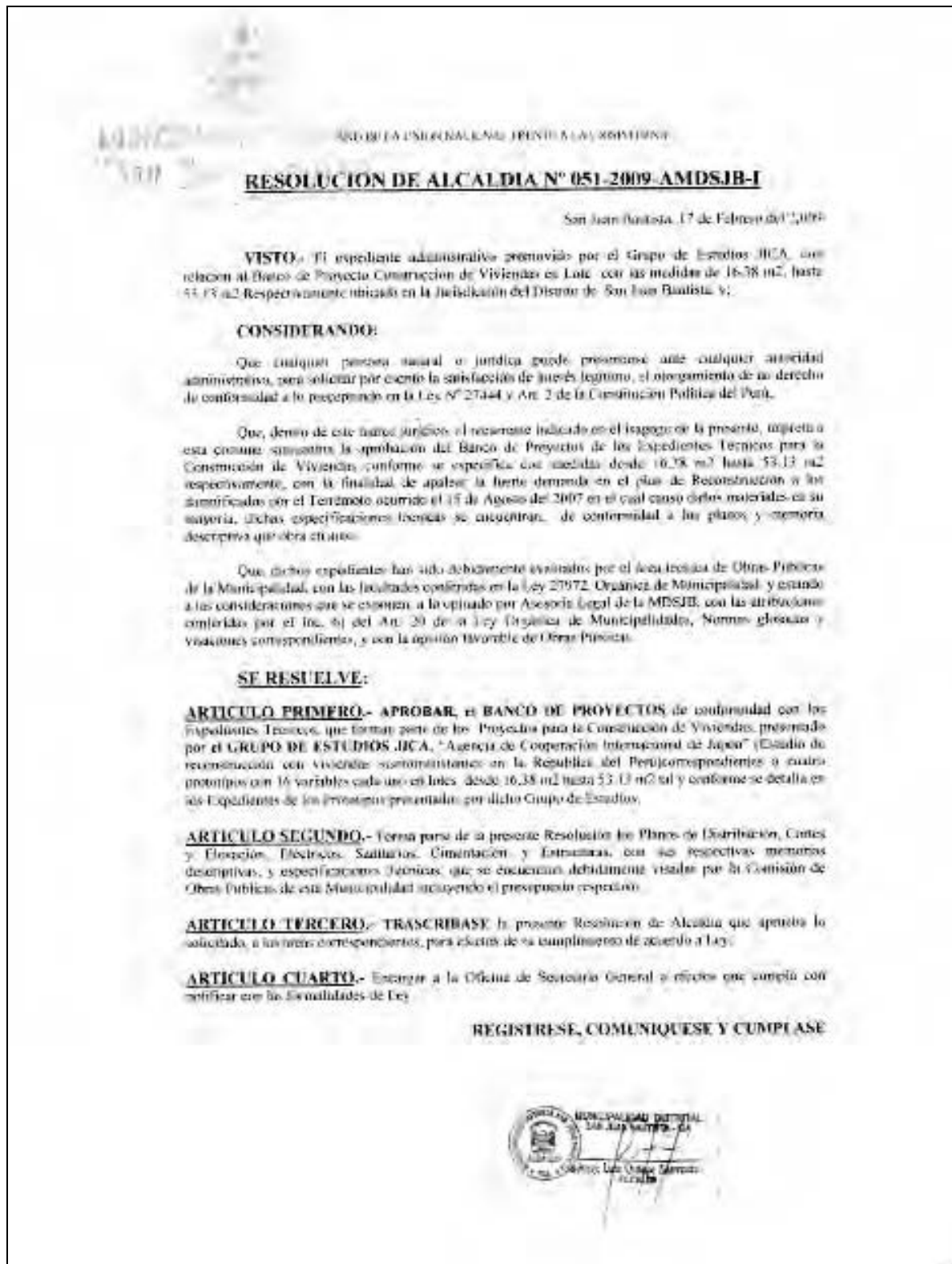
ARTICULO TERCERO- Hágase de Conocimiento la presente resolución a la División de Desarrollo Urbano y Obras así como a la población damnificada del Distrito de San Clemente.

REGISTRESE, COMUNIQUESE Y ARCHÍVESE.



Gerencia Municipal de San Clemente

DISTRICT MUNICIPALITY OF SAN JUAN BAUTISTA



RESOLUCIÓN DE ALCALDÍA N° 0229 - 2009-A / MDP

FECHA, Parcona, 13 de Agosto de 2009

VISTO, el Oficio JICA-TS-015/2009 de fecha 02 de Febrero del 2009, presentado a esta entidad con el Registro N° 335-09, suscrito por Kyoichi Sugiyama, Experto en Estructuras Sismorresistentes, de la AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON – JICA, sobre entrega de Planos Prototipo para Banco de Proyectos de la Municipalidad Distrital de Parcona; y;

CONSIDERANDO:

Qué el Capítulo XIV del Título IV de la Constitución Política del Estado, reformado por la Ley N°27680, en su artículo 194°, concordante con el Título II de la Ley Orgánica de Municipalidades N°27972, precisan que las Municipalidades son los órganos de gobierno local que tienen autonomía política, económica y administrativa en los asuntos de su competencia;

Que, el Artículo 86° de la Ley Orgánica de Municipalidades N° 27972, establece que una de las funciones de las municipalidades son la de flexibilizar y simplificar los procedimientos de obtención de licencias y permisos en el ámbito de jurisdicción, sin obviar las normas técnicas de seguridad, refiriendo elaborar junto con las instancias correspondientes, evaluaciones de impacto de los programas y proyectos de desarrollo económico local;

Que, dentro de este marco jurídico, el recurrente indicado en el exordio de la presente, impetra a esta comuna parconense la aprobación del Banco de Proyecto de los Expedientes Técnicos para la Construcción de Viviendas conforme se especifica con medidas de 16.38 m2, 35.47 m2, 43.23 m2 y 53.13 m2, respectivamente, con la finalidad de apalear la fuerte demanda en el plan de Reconstrucción a los damnificados por el Terremoto ocurrido el 15 de agosto del 2007 e el cual causo daños materiales en su mayoría, dichas especificaciones técnicas se encuentran, de conformidad a los planos y memoria descriptiva que obra en auto;



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Que, mediante INFORME N° 072-2009-MDP/JDUOP/CJBT, con fecha 03 de Marzo del 2009, el Jefe de la División de Desarrollo Urbano y Obras Públicas, comunica que según la documentación presentada, se aprecia los planos de Prototipo N° 01, con área de 16.38 m2, Prototipo N° 02, con un área de 35.47 m2, Prototipo N° 03, con un área de 43.23 m2 y Prototipo N° 04, con un área de 53.13 m2, indicando que cada prototipo de vivienda contiene 16 alternativas que varían según el tipo de suelo, de techo, de instalación eléctrica, y de instalación sanitaria; siendo por lo tanto procedente incorporar los planos de prototipos al Banco de Proyectos de la Municipalidad Distrital de Parcona;

Que, dichos expedientes han sido debidamente evaluados por el área técnica de Obras Públicas de la Municipalidad, con las facultades conferidas en la Ley N° 27972, Ley Orgánica de Municipalidades, y estando a las consideraciones que se exponen, a lo opinado por Asesoría Legal de la Municipalidad Distrital de Parcona, mediante Informe N° 0047-2009-AL/MDP, de fecha 11 de marzo de 2009... y con las atribuciones conferidas por el Inc. 6) del Art. 20 de la Ley Orgánica de Municipalidades, Normas glosadas y visaciones correspondientes, y con la opinión favorable de Obras Públicas;

RESOLUCIÓN DE ALCALDÍA N° 0229 - 2009-A/MDP

SE RESUELVE:

ARTICULO PRIMERO.- APROBAR la Creación del **BANCO DE PROYECTOS DE VIVIENDA** de conformidad con los Expedientes Técnicos, que forman parte de los Proyectos para la Construcción de Viviendas, presentado por el GRUPO DE ESTUDIOS JICA, "Agencia de cooperación Internacional de Japón (Estudio de reconstrucción con viviendas sismorresistentes en la República de Perú correspondientes a cuatro prototipos con 16 variables cada uno en lotes desde de 16.38 m², 35.47 m², 43.23 m² y de 53.13 m², tal y conforme se detalla en los Expedientes de los Prototipos presentados por dicho Grupo de Estudios, instrumento que forma parte de la presente resolución.

ARTICULO SEGUNDO.- Forma parte de la presente Resolución los Planos de Distribución, Cortes y Elevación, Eléctricos, Sanitarios, Cimentación y estructuras, con sus respectivas memorias descriptivas, y especificaciones Técnicas, que se encuentran debidamente visadas por la Comisión de Obras Publicas de esta Municipalidad, cuya implementación estará a cargo de la División de Desarrollo Urbano y Obras Publicas, en coordinación con el Grupo JICA-Agencia de Cooperación Internacional del Japón.

ARTICULO TERCERO.- TRASCRIBASE la presente Resolución de Alcaldía que aprueba lo solicitado, a las áreas correspondientes, para efectos de su cumplimiento de acuerdo a Ley.

ARTICULO CUARTO.- ENCARGAR a la Oficina de Secretaria General de esta Municipalidad notificar la presente resolución a quine corresponda con las formalidades de Ley.

Regístrese, Comuníquese y Archívese





Municipalidad Distrital de los Aquijes

"CUNA DEL PISCO PURO"

Creada por Ley N° 5566 - 29 Noviembre de 1926

ACUERDO DE CONCEJO N° 05 2009-MDLA/C

Los Aquijes, 26 de Febrero del 2009.

EL CONCEJO DISTRITAL DE LOS AQUIJES

VISTO:

En Sesión ordinaria de Consejo de fecha 26 de Febrero del año 2009, el documento en donde se solicita se Apruebe mediante Acuerdo de Concejo Aprobar la Creación del **BANCO DE PROYECTO DE LA** Municipalidad Distrital de los Aquijes promovida por la corporación Japonesa JICA, que permitirá a la Municipalidad un mejor desenvolvimiento en la elaboración de proyectos, perfiles y todo lo necesario para dotar de una mejor infraestructura para el desarrollo institucional.

CONSIDERANDO:

Que, el artículo 194 de la Constitución Política, modificado por la Ley de Reforma Constitucional – Ley N° 27680; y concordante con el artículo II del Título preliminar de la Ley Orgánica de Municipalidades – Ley N° 27972, señalan respectivamente que las Municipalidades son los órganos de gobierno local que tienen autonomía política económica y administrativa en los asuntos de su competencia; representa al vecindario, promueven la adecuada prestación de los servicios públicos locales, fomentan el bienestar de los vecinos y el desarrollo en la jurisdicción del distrito;

Que, de conformidad con lo establecido en los Arts. IV y VI del Título Preliminar de la Ley Orgánica de Municipalidades N° 27972, los gobiernos locales representan al vecindario y promueven la adecuada prestación de los servicios públicos locales y promueven el desarrollo integral sostenible y armónico de su circunscripción en armonía con los planes nacionales y regionales de desarrollo.

Que, en la Sesión de la fecha; la Municipalidad ha debatido la necesidad de Aprobar la creación del Banco de Proyecto de la Municipalidad Distrital de los Aquijes promovida por la corporación Japonesa JICA, que permitirá a la Municipalidad un mejor desenvolvimiento en la elaboración de proyectos, Perfiles Estudios de Proyectos para beneficio de la Población por tal razón se ha visto con buenos ojos la creación la creación de un Banco Técnico con dicho fin.

Que asimismo debe tenerse presente que el citado Banco de Proyectos reforzara el sistema de obras tanto al que va a construir , así como adecuar y mejorar un mejor



Municipalidad Distrital de los Aquijes

"CUNA DEL PISCO PURO"

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servicio a través de la unidad de obras, por lo que siendo ello así debe aprobarse el citado Banco de proyectos para los efectos antes indicados.

Estando a lo dispuesto en el Artículo 26° y siguientes de la Ley Orgánica de Municipalidades aprobado por la Ley 27972, y demás normas pertinentes sobre la materia, con el voto aprobatorio de unanimidad de sus miembros y aprobación del Acta;

SE ACORDO:

ARTICULO PRIMERO - APROBAR la Creación del Banco de Proyectos para la Municipalidad Distrital de los Aquijes, la misma que estar adscrita al área de Obras de la entidad antes citada; el citado Banco de Proyectos estará a cargo del Ingeniero **ALBERTO REJAS ESPINO**, quien coordinara estrechamente con el área de Obras, para la evaluación, elaboración de Estudios, Proyectos, Elaboración de Perfiles y otros de vital importancia.

ARTICULO SEGUNDO - AUTORIZAR al Señor Alcalde para que proceda ha FIRMAR el convenio señalado precedentemente, y a realizar los tramites respectivos para su cumplimiento y ejecución.

ARTICULO TERCERO.- Encargar a la Oficina de Secretaria General la notificación de la presente a las partes involucradas, para el cumplimiento respectivo.

POR TANTO:

MANDO SE REGISTRE, COMUNIQUE Y CUMPLA

MUNICIPALIDAD DISTRITAL DE LOS AQUIJES

Ing. Carlos Osorio Vargas
ALCALDE