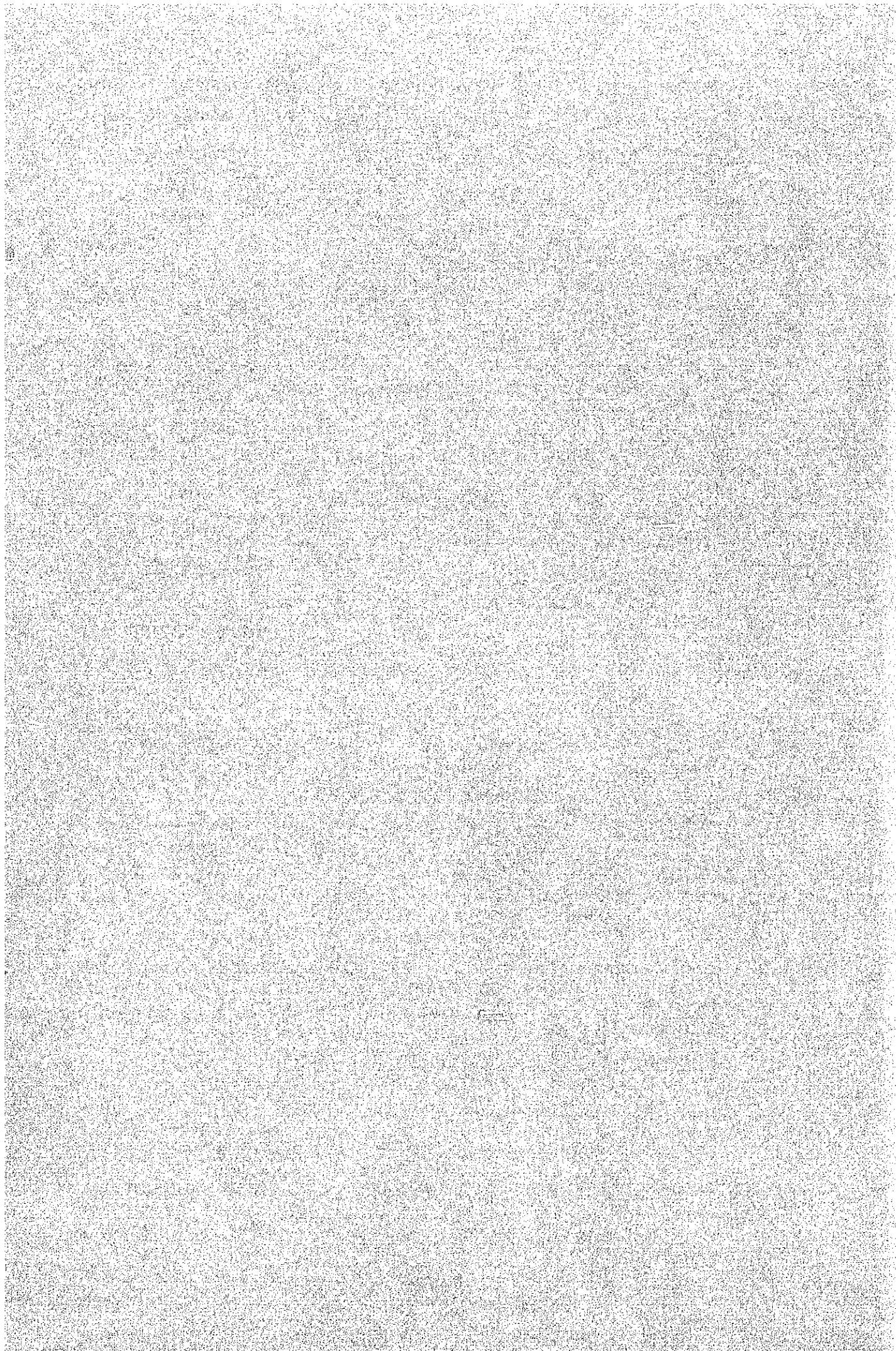


VI 参 考 资 料



調査団訪ビ時に提出のあった資料

MINISTRY OF AGRICULTURE AND FOREST

LIVESTOCK DEVELOPMENT AND MARKETING

CORPORATION

JICA

PROGRESS REPORT

FOR

PIG AND POULTRY DEVELOPMENT PROJECT

(UP TO 31st DECEMBER, 1980)

RANGOON

16th MARCH, 1981

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PROGRESS REPORT
FOR
PIG AND POULTRY DEVELOPMENT PROJECT
(up to 31th December, 1980)

The Government of Burma made a request for the transfer of modern technology in the pig and poultry development to the Government of Japan on the basis of an investigation report made by the Livestock Development and Marketing Corporation. Then, the identification team, headed by Dr. Eguchi visited Burma from the 30th November to 10th December, 1976. Through discussions with Burmese officials concerned and surveys conducted by both sides, the Japanese preliminary Survey team headed by Dr. Hirofumi Kaitoku and the Japanese implementation survey team led by Mr. Yamashita, visited Burma from 19th January to 2nd February, 1978 and from 6th April to 3rd May, 1978 respectively, the Record of Discussions in Connection with the Project was signed on 12th April, 1978 and the Project originated with a co-operation period of four years.

In pursuance of the conditions as per the Record of Discussions, the Japanese Teams organized by the Japan International Co-operation Agency (JICA), visited Burma once in January 1979 and another in January 1980. The team headed by Dr. Hirofumi Kaitoku visited Burma from 26th January to 5th February, 1979 and the team headed by Dr. Masayoshi Hirose visited Burma from 29th January to 10th February, 1980, for the purpose of reviewing the progress of the Technical Co-operation project for the Pig & Poultry Development in Burma and conferring the future plans for the project with the Burmese officials concerned. During their stay in Burma, the teams observed the present activities of the Project, discussed problems involved, and exchanged views on the future plans with the Burmese officials concerned, including the Japanese experts, for the successful implementation of the Project.

The Progress of the Project from the very beginning up to 31th December, 1980 is outlined in this Progress Report.

1. Assignment of Japanese Experts

On the basis of the plan of J.I.C.A., Dr. Reiji Seki (Team Leader) and Mr. Keizo Egawa (Liaison Officer) were despatched to the Project site on 28th September, 1978.

The statement showing the position of these experts serving in Burma and the work undertaken by them is appended as Annexure I to this Report.

2. Provision of Equipment and Materials.

Upon the request of the Government of Burma the JICA provided the following Equipments and Materials Commencing from the Financial year 1978-79 up to the period covered up this report.

Fiscal Year	Amount (in thousand)			Remarks
	¥ Yen	Kyats equivalent	US \$ equivalent	
1978 - 79	81,023.64	2,673.78	381.97	The Details appended as Annexure II, III & IV.
1979 - 80	66,983.43	2,210.47	315.78	
1980 - 81 (up to 3rd Qu)	86,050.20	2,202.78	314.68	
Total -	234,057.27	7,087.03	1,012.43	

3. F.E. Expenditure of J.I.C.A. Project

Against the total estimated cost of F.E. for the whole Project, the Actual Expenditure incurred for 1978-79, 1979-80 and 1980-81 (up to the end of 3rd Quarter) are shown in Annexure V of this Report.

4. Construction Schedule

In Pursuance of Annexure V to the Record of Discussions, the Government of Burma is responsible for the provision of all the lands & buildings required by the Project. The number of buildings contracted by LDMC is outlined in this report as Annexure VI and the Capital investment of the Project is appended as Annexure VII.

5. Production of Poultry

The following number of chicks were dispatched from the Japanese side to Burma on the dates mentioned against each.

<u>1978-79</u>	<u>No. of breed</u>	<u>Arrival date</u>
Chicks	1,400 birds	30.11.78
	1,300 birds	21.12.78
<u>1979-80</u>		
Chicks	200 birds	27. 7.79
"	1,200 birds	29.11.79
"	600 birds	31. 1.80

<u>1980-81</u>	<u>No. of breed</u>	<u>Arrival date</u>
Chicks	300 birds	26. 6.80
Chicks	313 birds	12.11.80

The above number of chicks were multiplied at the 10th Mile farm by the cage system introduced under the sponsorship of Dr. Saganuma. Veterinary Coverage and other necessary medical treatment, vaccination was undertaken with the guidance of Dr. Kawai, Chick Sexing training was also given by Dr. Yusa.

The Production and distribution of baby chicks are as follows.

	<u>Production No.</u>	<u>Distribution No.</u>
1979-80	136,338	129,905
1980-81 (up to end December 1980)	113,792	109,087
Total —	250,130	238,992

The closing nos as at 31.12.80 are as follows.

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Norin	50	4,887	4,937
RIR	240	2,242	2,482
Broiler	45	648	693
White Leghorn	514	-	514
White Cornish	171	-	171
Total —	1,020	7,777	8,797

Actual performance during the fiscal year 1979-80 and 1980-81 (up to end of 3rd Qr) is appended as Annexure VIII.

6. Production of Pigs

At the request of the Government of Burma 65 heads of Pigs were despatched by the Japanese side. It consisted of 54 Guilts and 11 Boars. They arrived in Burma by Aircraft on 17th January 1979. This initial stock has been multiplied in the 10th Mile farm. Veterinary Coverage, Medical treatment and vaccination was done under the guidance of Dr. Nagata from 22.12.78 to 27.3.80 and Dr. Nozaki from 25.3.80 up till now.

A second consignment of 103 heads of pigs was read on the 18th Nov., 1980.

The production and distribution of pigs are as follows.

	<u>Production No.</u>	<u>Distribution No.</u>
1979 - 80	409	55
1980 - 81 (up to end Dec.)	<u>683</u>	<u>224</u>
Total =	<u>1,093</u>	<u>279</u>

The closing Nos as at check are as follows.

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Berkshire	40	72	112
Landrace	84	118	202
Duroc	29	26	55
Large White	3	28	31
Crossbreed	156	211	367
Total =	<u>312</u>	<u>455</u>	<u>767</u>

Actual performance by the Pig sector is appended as Annexure IX.

7. Income of the Project

An important of Livestock (i.e chicken) was made on 31st December, 1978. Production period relating to the Project started round about May 1979. Income of the Project for the financial year 1979-80 and 1980-81 (up to end of December 1980) was as follows.

	<u>Quantity</u>	<u>Value</u> <u>(Kyats ,000)</u>
<u>1979-80</u>		
1. Sales of chicks (Day old)	107,538	305.14
2. Sales of chicks (large)	1,633	19.34
3. Sales of eggs	191,097	121.45
4. Sales of Pigs	5	2.00
5. Sales of pork	50	36.45
Total =		<u>484.38</u>

	<u>Quantity</u>	<u>Value</u> <u>(Kyats ,000)</u>
<u>1980-81 (up to 3rd Qr)</u>		
1. Sales of chicks (Day old)	105,552	253.51
2. Sales of chicks (large)	5,535	57.95
3. Sales of eggs	539,561	224.77
4. Sales of pigs	23	24.60
5. Sales of pork	201	<u>121.84</u>
	Total =	<u>682.67</u>

The above-mentioned revenue income showing month by month is appended as Annex X. and Annex XI.

8. Engagement of staffs implementation of the Project

Implementation of the Project is managed by the Project Manager with 21 assistants of various grades. He has to manage the progress of the Project on the lines of management as defined by the Japanese Team and the Officials of the LDMC. Production side of the Project is managed by the Farm Manger with assistants under him. A detailed statement of the number of personal engaged in the Project Office and the production farm is attached to this report as Annexure XII.

Annexure I.

List of the Japanese Experts of
J.I.C.A. Project

Sr: No.	Name	Designation	Arrival Date	Departure Date
	<u>Long Term Experts</u>			
1.	Dr. Reiji Seiki	Team Leader	30. 9.78	25.10.80
2.	Dr. Masayoshi Hirose	Team Leader	9.10.80	-
3.	Mr. Keizo Egawa	Liaison officer	30. 9.78	-
4.	Dr. Katsuyuki Nagata	Pig Production & breeding Expert	22.12.78	27. 3.80
5.	Dr. Isao Nozaki	Pig production and management expert	25. 3.80	-
6.	Dr. Noboru Kano	Animal Nutrition and Feed Mill	22.12.78	27. 3.80
	Dr. Takaaki Ishita	Poultry Management Expert	12. 4.80	-

Sr: No.	Name	Designation	Arrival Date	Departure Date
	<u>Short Term Experts</u>			
1.	Mr. Hidetaka Suganuma	Cage Assembly	27.11.78 to 18.12.78 (22) days.	
2.	Mr. Toshio Yusa	Chick Sexing	17. 1.79 to 15. 2.79 (30) days. 18. 1.80 to 17. 4.80 (3) months.	
3.	Mr. Takeshi Kayama	Incubator Installation	25. 1.79 to 8. 2.79 (15) days.	
4.	Mr. Masayoshi Kawai	Poultry Production	9. 8.79 to 29.11.79 (3) months.	
5.	Mr. Masami Ito	Pig Production	9. 8.79 to 29.11.79 (3) months.	
6.	Mr. Eizaburo Furutani	Water engineering	17. 1.80 to 31. 1.80 (15) days.	

Annexure II

JICA Contribution Materials and Equipment to Pig and Poultry Development Project in Burma

1978/79 Fiscal Year

Sr. No.	Conveyance	Arrival date Rangoon	B/L No.	Main Equipment and Materials	Total Item	Amount C.I.F. Value YEN
1.	By Sea Hampton	19- 9-78	20-001	Station Wagon SUBARU 1600	1	1,195,958
2.	By Sea Menam	23-10-78	YART-0015	Equipment for Pig & Poultry Production	14	7,742,268
3.	By Air JL 171/29 TG 305/30	30-11-78	217-3754	Day old chick 1400 Nos.	1	497,794
4.	By Air TG 601/1 TG 305/2	2-12-78	217-07003743	Antigen, Vaccine	17	720,063
5.	By Air JL 717/20 TG 305/21	21-12-78	131-53766403	Day old chick 1300 Nos.	1	704,885
6.	By Sea Miike Maru	10- 1-79	022-61740	Incubator (6) others spare parts for SUBARU	-	38,219,250
7.	By Sea Miike Maru	10- 1-79	022-41771	Tractor (1), Feed Grinder (1)	2	2,200,575
8.	By Air JL 1477 Chartered	22- 1-79	131-54640224	Breeding Pig (Gilt 54, Boar 11) Swine Erysipelas Vaccine	3	21,422,819
9.	By Air JL 717 TC 305	8- 3-79	131-54810431	Medicine, Vaccine	44	2,212,362
10.	By Sea Hampton	25- 4-79	20-056	Equipment (22), Medicine (20)	44	6,207,663
Grand Total						¥81,023,639
						K 2,673,780

Annexure III

JICA Contribution Materials and Equipment to Pig and Poultry Development Project in Burma

1979/80 Fiscal Year

Sr. No.	Conveyance	Arrival Date Rangoon	B/L No.	Main Equipment & Materials	Total Item	Amount YEN ¥	
1.	Air craft	28- 6-79	131-55242121	Fowl Pox Vaccine, etc.	3	325,325	C.I.F..
2.	Boston Maru	20- 7-79	20-005	Cag for Egg Collector & etc.	15	8,166,371	"
3.	Air craft	14- 7-79	131-53767711	Chicks	2	96,160	"
4.	Htantawywa	14- 7-79	116-R	Pumps, pipes, and pipe fittings	-	2,212,187	F.O.B.
5.	*Air craft	18- 8-79	-	Water Glass, etc. (AI Accessories)	-	70,530	"Not Deduction in Budget Expense" offer from Dr. Kawai
6.	Kinkasan Maru	18- 8-79	YHRG-0004	Medicine & Shutter	4	4,830,777	C.I.F.
7.	Htantawywa	18- 9-79	96-R	'Stock' Pump	-	364,445	F.O.B.
8.	"	18- 9-79	87-R	Tri Phosphate calcium	-	555,625	"
9.	Air craft	4-10-79	217-06523694	Infectious coryza Vaccine, etc.	3	298,560	C.I.F.
10.	Htantawywa	14-11-79	148-R	Copper wire	-	1,213,500	
11.	*Air craft	20-12-79	217-06523996	Infectious Coryza Vaccine, etc.	-	270,250	"Not Deduction in Budget expense.
12.	Air craft	29-11-79	217-06523823	Chicks	15	1,415,022	C.I.F.
13.	By Sea Brilliantace	29-12-79	YHRG-0019	Incubator, Feed Mixer, etc.	35	25,355,984	
14.	Air craft	31- 1-80	217-07003791	Chicks	6	671,318	"
15.	Sea-PAAN	19- 1-80	148-R	Cold Storage		2,674,670	F.O.B.
16.	Sea Htantawywa	28- 2-80	33-R	Northeo Hog Equipment	6	2,585,145	"

Annexure III

JICA Contribution Materials and Equipment to Pig and Poultry Development Project in Burma

1979/80 Fiscal Year

Sr. No.	Conveyance	Arrival Date Rangoon	B/L No.	Main Equipment & Materials	Total Item	Amount YEN ¥	
17.	Sea - PAAN	27- 3-80	126-R	Mowing Machine, Vacuum Cleaner, Refrigerator, Wire Mesh	-	1,058,619	F.O.B.
18.	Sea - PAAN	14- 5-80	28-R	1 Unit Komatsu D31H-16 Angel Power Tilt Dozer C/W Bacboe and Spare Parts	6	8,696,612	
19.	Air craft	-	217-06523996	Chicks	-	319,345	C.I.F.
20.	-	-	217-06523996	Farrowing Pen, Catching Hook (L) Catching Hook (3), etc.	-	1,387,099	
21.	Sea - Sumida Maru	16- 5-80	20-16	Material (7) Cases Broiler Processing Machine	8	4,756,667	"
						67,324,221	
						* -340,780	
						¥66,983,431	
						K 2,210,453,223	

Annexure IV

JICA Contribution Materials and Equipment to Pig & Poultry Development Project in Burma

1980/81 Fiscal Year (Up to 30th Sept. 1980)

Sr. No.	Conveyance	Arrival Date Rangoon	B/L No.	Main Equipment and Materials	Total Item	Amount Value Yen	C.I.F. Rangoon
1.	Air Craft	24- 4-80	217-07961590	Strong Neo Mino Pharyene	8 cases	245,530	399,397
2.	"	"	217-07961601	Over Head Projector, etc.	9 "	1,059,570	1,391,129
3.	"	26- 6-80	217-07003824	Chicks, (4) cases	4 "	353,109	353,109
4.	"	"	217-07961940	Vet medicine (Fowl Pox. Vace)	495 pcs	1,312,090	1,312,090
5.	Miike Maru	19- 7-80	20-027	Medicine (2) cases	2 cases	1,441,310	1,441,310
6.	Air Craft	11- 9-80	217-24346091	Puerogen and, etc.	1 carton	120,500	157,325
7.	"	27-10-80	217-14346765	Color Slide Film, etc.	1 "	96,822	96,822
8.	"	13-11-80	217-14346846	Live Chicks	4 "	708,908	708,908
9.	"	18-11-80	131-57902423	Vaccine, etc.	329 cases	13,628,344	13,628,344
10.	"	18-11-80	131-57902423	Boar & Gift	29 "	30,289,726	30,289,726
11.	Wakamatsu Maru	18-10-80	20-010	Specification for Water Treatment Plant & Chemical	11 "	13,185,401	13,185,401
12.	"	"	20-002	Container Basket, etc.	6 "	5,286,639	5,286,639
13.	Local Procurement					17,800,000	17,800,000
Total =							86,050,200

Annexure V

J.I.C.A. Project

R.E Expenditure

Sr. No.	Description	Total Estimated Cost	1978 - 79	1979 - 80	1980 - 81 (6-months)	Total Cost	Balance
1.	Material & Equipment	Ks. 9,726.00 US. 1,314.32	1,927.14 275.31	1,958.67 279.81	38.01 5.43	3,923.82 560.55	5,802.18 753.77
2.	Medicine & Feed Additives	Ks. 3,425.00 US. 462.84	13.08 1.87	169.23 24.18	91.34 13.05	273.65 39.10	3,151.35 423.74
3.	Live-Stock	Ks. 2,884.00 US. 389.73	733.56 104.79	82.57 11.79	10.04 1.43	826.17 118.01	2,057.83 271.72
4.	Consultants	Ks. 5,195.00 US. 702.03	788.78 112.68	1,821.79 260.26	385.40 55.06	2,995.97 428.00	2,199.03 274.03
5.	Fellowships	Ks. 4,801.00 US. 648.78	- -	- -	- -	- -	4,801.00 648.78
	Total:-	Ks. 26,031.00 US. 3,517.70	3,462.56 494.65	4,032.26 576.04	524.79 74.97	8,019.61 1,145.66	18,011.39 2,372.04
		1 US = K7.4	1 US = K7	1 US = K7	1 US = K7		

Annexure VI

Building Schedule of JICA Project

Sr. No.	Particulars	Authorized	Completed up to 1980 Sept.	Under Construction	Balance
I.	<u>Domestic Housing</u>	Qty	Qty	Qty	Qty
1.	JICA Offical	1	1	-	-
2.	Main Office	1	1	-	-
3.	Project Manager	1	-	-	1
4.	Farm Manager	2	-	-	2
5.	Dy. Farm Manager	14	-	-	14
6.	Staff Officer Manager + Specialist	7	-	-	7
7.	Manager Feed Mill	1	-	-	1
8.	Accountant	1	-	-	1
9.	Assistant Manager	8	-	-	8
10.	Supervisor	4	-	-	4
11.	4 Unit Labour Quarter	8	3	3	2
	Sub - Total	48	5	3	40
II.	<u>Pig Farm</u>				
1.	Boar House Type A	1	2	-	1
2.	Boar House Type B	1	-	-	1
3.	Weaner House	3	1	1	1
4.	Dry Sow House	5	3	-	2
5.	Grower House	3	1	-	2
6.	Finisher House	10	2	-	8
7.	Slughter House	1	-	-	1
8.	Disinfection Room	1	-	-	1
9.	Cold Strage	1	1	-	-
10.	Farm Gate Entry	1	-	-	1
11.	Incinierater	1	-	-	1
	Sub - Total	28	10	1	17

Sr. No.	Particulars	Authorized	Completed up to 1980 Sept.	Under Construction	Balance
		Qty	Qty	Qty	Qty
III.	<u>POULTRY FARM</u>				
1.	Incubator House	1	1	-	-
2.	Brooder House	20	1	-	19
3.	Breeder House	20	5	6	9
4.	Grower House & Model House	28	16	2	10
	(a) Model Grower House		5	-	-
	(b) Floor Grower House		3	-	-
	(c) Model Layer House		10	-	-
5.	Dispensary	1	-	-	-
6.	Poultry Processing Plant	1	-	1	-
7.	Stand by Power Plant	1	1	-	-
8.	Disinfection Room	1	-	-	1
9.	Farm Gate Entry	1	-	-	1
10.	Incinerater	1	3	-	2
11.	Broiler Experiment House	-	1	-	1
	Sub - Total	75	30	9	36
IV.	<u>Technical Training Centre</u>				
1.	Laboratory	1	1	-	1
2.	Machinery & Equipment Store	1	-	-	1
3.	Student Quarter	2	-	-	2
4.	Fuel Store	1	-	-	1
5.	Laboratory Nutrition	1	-	-	1
	Sub - Total	6	1	-	5
V.	<u>Feed Mill</u>				
1.	Feed Store	3	-	-	3
2.	Product Store	3	-	-	3
3.	Building for Milling & Mixing	1	1	-	-
4.	Garage	1	-	1	-

Sr. No.	Particulars	Authorized	Completed up to 1980 Sept.	Under Construction	Balance
		Qty	Qty	Qty	Qty
5.	Mill Gate Entry	1	-	-	1
	Sub - Total	9	1	1	7
	Grand - Total	166	47	14	105

Pig and Poultry Development Project

Capital Investment (1)

(Kyats in thousand)

Sr. No.	Description	Total Estimated			1978 - 79			1979 - 80		
		FE	Local	Total	FE	Local	Total	FE	Local	Total
1.	Site Preparation	-	557.00	557.00	-	91.26	91.26	-	90.94	90.94
2.	Roads & Bridges	-	1,761.00	1,761.00	-	-	-	-	2.93	2.93
3.	Electrical Installation	1,004.00	2,975.00	3,979.00	-	4.58	4.58	-	-	-
4.	Water & Sanatary Installation	-	2,377.00	2,377.00	-	-	-	-	34.23	34.23
5.	Building Construction	-	32,205.00	32,205.00	-	3,748.88	3,748.88	-	1,262.63	1,262.63
6.	Purchase of Machineries	8,214.00	1,443.00	9,657.00	1,927.14	14.60	1,941.74	1,958.67	40.63	1,999.60
7.	Machinery Installation	9,996.00	1,220.00	11,216.00	788.78	40.16	828.94	1,821.79	60.14	1,881.93
8.	Transportation Vehicles	508.00	25.00	533.00	-	-	-	-	279.16	279.16
9.	Fencing & Gate	-	1,029.00	1,029.00	-	8.69	8.69	-	-	-
10.	Furnace of Medicine	3,425.00	177.00	3,602.00	13.08	-	13.08	169.23	-	169.23
11.	Purchase of Livestock	2,884.00	144.00	3,028.00	733.56	-	733.50	82.57	-	82.57
12.	Unallocate	-	300.00	300.00	-	-	-	-	-	-
	Total =	26,031.00	44,213.00	70,244.00	3,462.56	3,908.17	7,370.73	4,032.26	4,032.26	5,802.92

Pig and Poultry Development Project

Capital Investment (2)

(Kyats in thousand)

St. No.	Description	1980 - 81 (Up to 3rd Qr)		Total Expenditure		Balance		
		FE	Local	FE	Local	FE	Local	Total
1.	Site Preparation		-	-	182.20	-	374.80	374.80
2.	Roads & Bridges		23.05	23.05	25.98	-	1,735.02	1,735.02
3.	Electrical Installation		-	-	4.58	1,004.00	2,970.42	3,974.42
4.	Water & Sanatary Installation		-	-	34.23	-	2,342.77	2,342.77
5.	Building Construction		654.46	654.46	5,665.97	-	26,539.03	26,539.03
6.	Purchase of Machineries	628.61	32.91	661.52	4,514.42	3,699.58	1,354.86	5,054.44
7.	Machinery Installation	635.26	30.00	665.26	3,245.83	6,750.17	1,089.70	7,839.87
8.	Transportation Vehicles	-	-	-	279.16	508.00	(-) 254.16	253.84
9.	Fencing & Gate	-	-	-	8.69	-	1,020.31	1,020.31
10.	Furnace of Medicine	541.18	1.44	542.62	723.49	2,701.51	175.56	2,877.07
11.	Purchase of Livestock	1,032.99	4.68	1,037.67	1,849.12	1,034.88	139.32	1,174.20
12.	Unallocate						300.00	300.00
	Total =	2,838.04	746.54	3,584.58	10,332.86	15,698.14	37,787.63	53,485.77

Annexure VIII

Statement Showing Production, Mortality, Culling and Distribution

of Poultry for the period 1.4.79 to 31.12.80

Months	Opening Number						Impo-rt No.	Chick No.	Death			Cull			Distribute			Closing Number			Chick Total	
	Adult		Chick M+F		M	F			A	G	C	A	G	C	A	G	C	M	F	M		F
	M	F	M	F																		
<u>1979-80</u>																						
April	-	-	509	1,979	-	-	-	27/10	-	-	16/6	-	-	15/1	-	-	-	452	1,968	2,413		
May	-	-	452	1,961	-	811	38/66	216	-	10/7	-	-	-	11/8	595	-	-	393	1,880	2,273		
June	-	-	353	1,880	-	-	15/3	-	-	3/43	-	-	-	7/15	-	-	-	348	1,792	1,140		
July	-	-	349	1,792	-	7,496	17/37	8	-	-27	8	-	-	2/38	6,667	329	1,690	-	-	1,013		
Aug.	329	1,690	-	-	-	16,760	5/72	-	29	-5	-	12	1/5	-	15,672	323	1,658	-	-	2,060		
Sept.	323	1,653	92	595	-	16,926	13/15	-17	10	-	-	-	13/13	-	16,601	389	1,731	98	682	1,395		
Oct.	389	1,735	98	682	-	13,485	6/18	13/16	71	-	-	-	74/106	89/32	12,561	309	1,607	69	1,631	1,248		
Nov.	309	1,607	69	1,632	1,228	18,527	2/18	1/8	43	-	-	-	18/9	5/3	16,660	289	2,034	213	1,341	3,975		
Dec.	289	3,034	213	1,341	3,975	16,463	2/9	7/45	94	-9	46/5	-	2/25	242/140	16,499	285	2,020	208	3,299	1,385		
<u>1980</u>																						
Jan.	285	2,020	208	3,299	1,383	18,757	1/12	2/18	7	-6	6/43	8	11/258	-/49	18,457	320	2,844	633	2,800	477		
Feb.	320	2,844	633	2,800	477	13,694	7/26	10/14	114	-9	4/2	-	-/17	-/187	13,264	313	1,792	819	2,617	1,404		
March	313	2,752	619	2,617	140	13,419	12/66	70/53	492	2/13	9/48	3	80/13	84/57	12,929	221	2,730	821	3,031	430		
Total			509	1,979	-	2,039	48/186	220/304	1,014	2/37	94/181	31	199/446	455/510	12,905	221	2,730	821	3,031	430		
<u>1980-81</u>																						
April	221	2,730	821	3,031	430	9,623	9/98	73/69	261	2/9	7/29	-	23/35	21/365	8,346	379	4,785	528	801	1,016		
May	379	4,785	528	801	1,016	7,448	11/123	47/36	92	-3	1/-	-	39/595	-	7,361	329	4,074	480	1,260	516		
June	329	4,064	480	1,260	516	5,938	20/53	22/6	64	-1	-9	1/3	8/154	-/3	5,023	753	4,209	-	900	1,679		
July	753	4,209	-	900	1,679	9,917	73/68	-/5	139	2/1	-3	17	64/29	-/458	8,998	614	4,533	167	1,194	1,095		
Aug.	614	4,533	167	1,194	1,085	9,628	28/48	9/13	165	-8	20/5	16	12/140	-/18	8,444	574	4,337	430	1,158	1,806		
Sept.	574	4,337	430	1,158	1,806	12,752	12/57	8/14	123	-1	8/3	2	-/15	201/83	11,813	562	4,721	307	1,281	1,846		
Oct.	562	4,721	307	1,281	1,846	17,412	25/95	4/22	245	-	-	1	55/19	29/2	15,919	482	5,132	390	1,532	2,077		
Nov.	482	5,132	390	1,532	2,077	17,197	11/123	1/37	191	-1	-	1	21/679	49/187	16,705	532	4,329	281	2,205	1,722		
Dec.	632	4,329	281	2,203	1,722	23,877	7/82	1/46	346	-	2/-	10	37/65	123/6	22,943	680	4,841	45	2,179	1,203		
Total	221	2,730	821	3,031	430	629	156/745	165/248	1,826	4/24	38/44	51	259/1,731	423/1,122	105,552	680	4,841	95	2,179	1,203		
								mix 2	mix 1		mix 1							mix 425				

Annexure IX

Statement Showing Producting, Mortality, Culling and Distribution

Fig. for the period from 1-4-79 to 31-12-80

Months	Opening Number						Import No.			Chick No.			Death Nos.			Cull Nos.			Distribute Nos.			Closing Number						Total							
	Adult			Piglet			M	F	M	F	M	F	A	G	PL	A	C	PL	A	G	PL	Adult		Grower		Piglet									
	M	F		M	F																	M	F	M	F	M	F		M	F	M	F	M	F	M
1979-80																																			
April	11	-		11	54																	11	54												65
May	11	54									14	9		5/3								10	52												62
June	10	50		9	6					2	5		1/1									10	52						9	6				77	
July	10	52									28	20		2/-								10	50						10	10				82	
Aug.	10	52		10	10						34	34		8/1								10	50						36	30				126	
Sept.	10	50		36	30						28	25		2/2								10	50					10	10					185	
Oct.	10	50		52	53						29	22		4/1								10	49					27	60					233	
Nov.	10	49		27	60						20	21		1/-								10	48					27	83					278	
Dec.	10	48		30	80																	10	46					69	73					316	
1980																																			
Jan.	10	46		69	73						26	19		6/2								10	45					68	73						346
Feb.	10	45		68	73						25	18		8/2								10	44					56	72						365
March	10	44		56	72						17	13		-/2								13	51					85	104						350
April	11	54									223	186		37/19								13	51					85	104						350
1980-81																																			
April	13	51		85	104						24	21		2/2								13	50					74	99						374
May	13	50		74	99						45	41		9/5								12	50					47	95						414
June	12	50		47	95						35	35		5/4								11	48					62	114						438
July	11	48		62	114						56	43		7/9								11	45					43	110						495
Aug.	11	45		43	110						39	34		6/10								10	525					57	99						524
Sept.	10	52		57	99						36	40		10/10								10	50					39	94						555
Oct.	10	50		39	94						31	32		8/8								9	48					31	86						581
Nov.	9	48		31	86						46	60		5/7								9	37					38	163						741
Dec.	9	47		38	163						37	28		3/6								9	47					35	158						767
Jan.	13	51		85	104						349	334		55/61								9	47					35	158						767

Annexure X

Pig and Poultry Development Project

Income for the 1979 - 80

Sr. No.	Month	Eggs Sale K.P	Chicken Sale			Pig Sale K.P	Other Income K.P	Total K.P
			Sale of Chicken K.P	Sale of Fowl K.P	Total K.P			
1.	April	2,524.20	2,767.00	370.35	3,137.35	-	36.00	5,697.55
2.	May	6,931.75	1,587.50	298.80	1,886.30	-	-	8,818.05
3.	June	7,945.25	-	294.10	294.10	-	-	8,239.35
4.	July	9,194.10	14,917.50	535.35	15,452.85	-	500.00	25,146.95
5.	August	9,622.90	31,771.50	274.00	32,045.50	-	2,269.60	43,938.00
6.	September	9,456.60	41,477.00	228.80	41,705.80	-	-	51,162.40
7.	October	9,390.85	29,460.50	3,524.81	32,985.05	-	500.00	42,876.16
8.	November	7,719.20	39,046.00	624.05	39,670.05	-	1,140.00	48,529.25
9.	December	7,433.15	40,543.50	3,968.40	44,511.90	-	26.00	51,971.05
10.	January	14,279.30	36,117.50	5,542.60	41,660.10	-	2,527.00	58,466.40
11.	February	17,248.55	29,520.00	422.50	29,942.50	8,154.40	147.00	55,492.45
12.	March	19,704.85	37,933.50	3,257.95	41,191.45	28,300.95	1,356.00	90,553.25
	Total	121,450.70	305,141.50	19,341.71	324,483.21	36,455.35	8,501.60	490,890.86

Annexure XI

Pig and Poultry Development Project

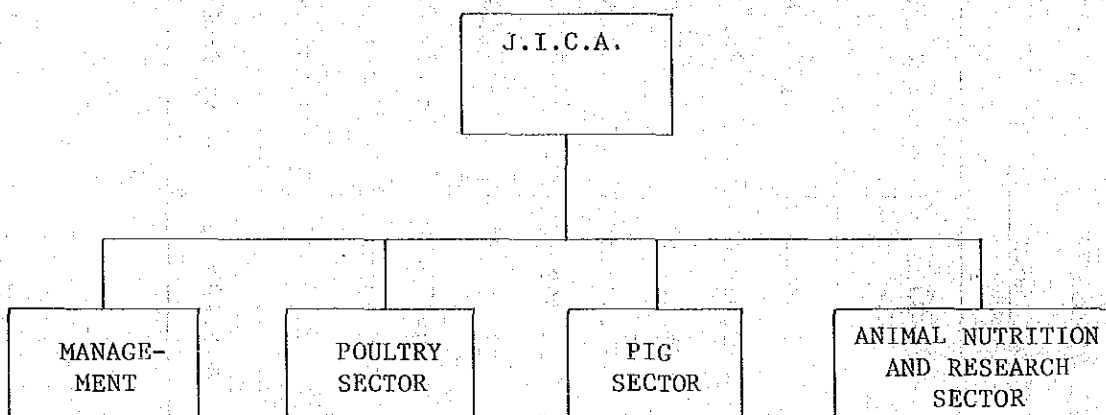
Income for the 1980 - 81 (up to end December - 1980)

Sr. No.	Month	Eggs Sale K.P	Chicken Sale			Pig Sale K.P	Other Income K.P	Total K.P
			Sale of Chicken K.P	Sale of Fowl K.P.	Total K.P			
1.	April	26,969.20	18,892.50	8,290.70	27,183.20	11,380.20	1,081.00	66,613.60
2.	May	29,689.05	16,197.50	8,064.60	24,262.10	19,029.00	35.00	73,015.15
3.	June	27,477.30	9,113.50	2,862.50	11,976.00	26,359.80	410.00	66,223.10
4.	July	33,294.40	25,516.50	8,749.00	34,265.50	15,557.80	738.00	83,855.70
5.	August	29,498.70	19,283.00	3,220.00	22,503.00	19,559.80	-	71,561.50
6.	Sept.	28,466.00	28,387.00	5,090.30	33,477.30	18,953.40	738.80	81,635.50
7.	October	20,851.60	38,093.00	1,449.61	39,542.61	14,591.90	3,884.00	78,870.11
8.	November	15,545.00	40,133.50	15,158.20	55,291.70	3,138.00	287.00	74,261.70
9.	December	12,974.45	57,891.50	5,061.40		17,867.10	1,835.00	93,629.50
	Total	224,765.70	253,508.00	57,946.31	311,454.31	146,437.00	9,008.80	691,665.81

Annexure XII

Organization Chart of Pig and Poultry

Development Project



Organization

Chart (1)

Organization

Chart (2)

Organization

Chart (3)

Organization

Chart (4)

Organization Chart (1)Pig and Poultry Development Project Management

Sr. No.	Name	Qualification	Appointment Date	Remarks
1.	U Hla Maung	Adviser LDMC; & Project Manager JICA.	20.12.79	
2.	U Htay Aung	Farm Manager	6. 6.62	
3.	Daw Mya Mya Nwe	B. Com (AA)	3. 8.78	
4.	U Theim Shwe	Superintendent	23. 6.60	
5.	U Myint Swe	7th Std.	18.11.80	
6.	Daw Mya Mya Aye	B.Sc (Phy)	13. 8.79	
7.	Daw Soe Soe Paing	B. Com	17. 9.79	
8.	Daw Khin Mya Mya Oo	B. Com	17. 9.79	
9.	Daw Than Than Win	B.Sc (Phy)	14.12.79	
10.	U Nyunt Han	B.Sc (Zoo)	1. 1.80	
11.	Daw Aye Myin Sein	B.Sc (Phy)	1. 1.80	
12.	U Aye Thaung	B. Com	1. 9.80	
13.	Daw Khin Soe	B. Com (AA)	21. 5.80	
14.	Daw Saw Myat Khine	B. Com	9. 5.80	
15.	Daw Than Myint	9th Std.	9. 6.69	
16.	Daw San San Nu	10th Std.	14.10.76	
17.	U Aung Khine	4th Std.	5.11.79	
18.	Daw Khin Lae	10th Std.	26. 5.80	
19.	Daw Naw Mu Mu	10th Std.	26. 5.80	
20.	Daw Yin Myint		27. 5.80	
21.	Daw Nyunt Nyunt Wai	8th Std.	15. 9.80	

Organization Chart (2)

Poultry Sector Counter-Parts & Their Qualification

Sr. No.	Name	Qualification	Appointment Date	Remarks
1.	U Hla Aung	B.V.S	4. 9.78	
2.	U Saw Win	B.Sc	7. 2.78	
3.	U Soe Than	B.V.S	19. 9.79	
4.	U Than Htun Aung	B.Sc	23.10.79	
5.	U Tin Mg Shwe	B.V.S	2. 8.78	
6.	Daw Hnin Aye Khin	B.V.S	18.12.78	
7.	Daw Mya Mya Yi	B.V.S	18.12.78	
8.	Daw Khin Thein Yi	B.V.S	17. 9.79	
9.	Daw Thet Thet Nwe	B.V.S	18.12.78	
10.	Daw Than Nwe	B.V.S	17. 9.79	
11.	Daw Mu Mu Hlaing	B.V.S	24. 9.79	
12.	Daw Myint Thein	B.Sc	1. 6.79	
13.	Daw Aye Aye Lwin	B.Sc	15. 1.80	
14.	Daw Saw Myint Thwe	B.V.S	21.11.79	
15.	Daw Shein Shein Htay	B.V.S	17. 9.79	
16.	U Tint Lwin	B.Sc	19.11.79	
17.	Daw Sein Htay	B.Sc (Zoo)	18. 2.80	
18.	Daw Khin Than Nu	B.Sc (Zoo)	1. 3.80	
19.	Daw Hong Kyin Man	B.Sc (Zoo)	9. 6.80	
20.	Daw Khine Mar Nyein	B.Sc (Chem)	9. 6.80	
21.	Daw Su Su Min	B.A (Geo)	1. 8.80	
22.	U Aung Kyaw Win	B.V.S	24. 9.80	
23.	Daw Thet Thet	B.V.S	8. 9.80	

Organization Chart (3)

Pig Sector Counter-Part & Their Qualification

Sr. No.	Name	Qualification	Appointment Date	Remarks
1.	U Pe Then	B.V.S	8. 8.78	
2.	U Aung Kyaw Soe	B.V.S	17. 7.78	
3.	U Than Win	B.V.S	24. 9.79	
4.	U Swe Lwin	B.V.S	24. 9.79	
5.	U Sein Thaung	B.V.S	1.10.79	
6.	U Khin Aung	B.Sc	2.11.79	
7.	U Thein Than Tun	B.Sc	2.11.79	
8.	U Win Kyi	B.Sc	24. 9.79	
9.	U Win Htut	B.V.S	1. 4.80	
10.	U Zaw Maw	B.Sc	9. 6.80	
11.	U Zaw Win	B.Sc	8. 9.80	
12.	U Maung Maung Aye	B.Sc	25. 9.80	
13.	U Htay Aung	B.Sc	23. 7.80	

Organization Chart (4)

Animal Nutrition & Research Sector

Sr. No.	Name	Qualification	Appointment Date	Remarks
1.	U Soe Oo	B.Sc (Chem)	8. 7.68	
2.	U Lu Hla	B.Sc (Zoo)	18. 5.79	
3.	Daw Phyu Phyu Mar	B.Sc (Chem)	6. 8.79	
4.	Daw Khin San Myint	B.Sc (Chem)	14. 8.79	
5.	Daw Win Win Swe	B.Sc (Chem)	14. 7.80	
6.	Daw Khin Aye Kyi	B.Sc (Chem)	20. 8.79	

LDMC/JICA PROJECT

Herd Projection for Fiscal Year 1981 - 82

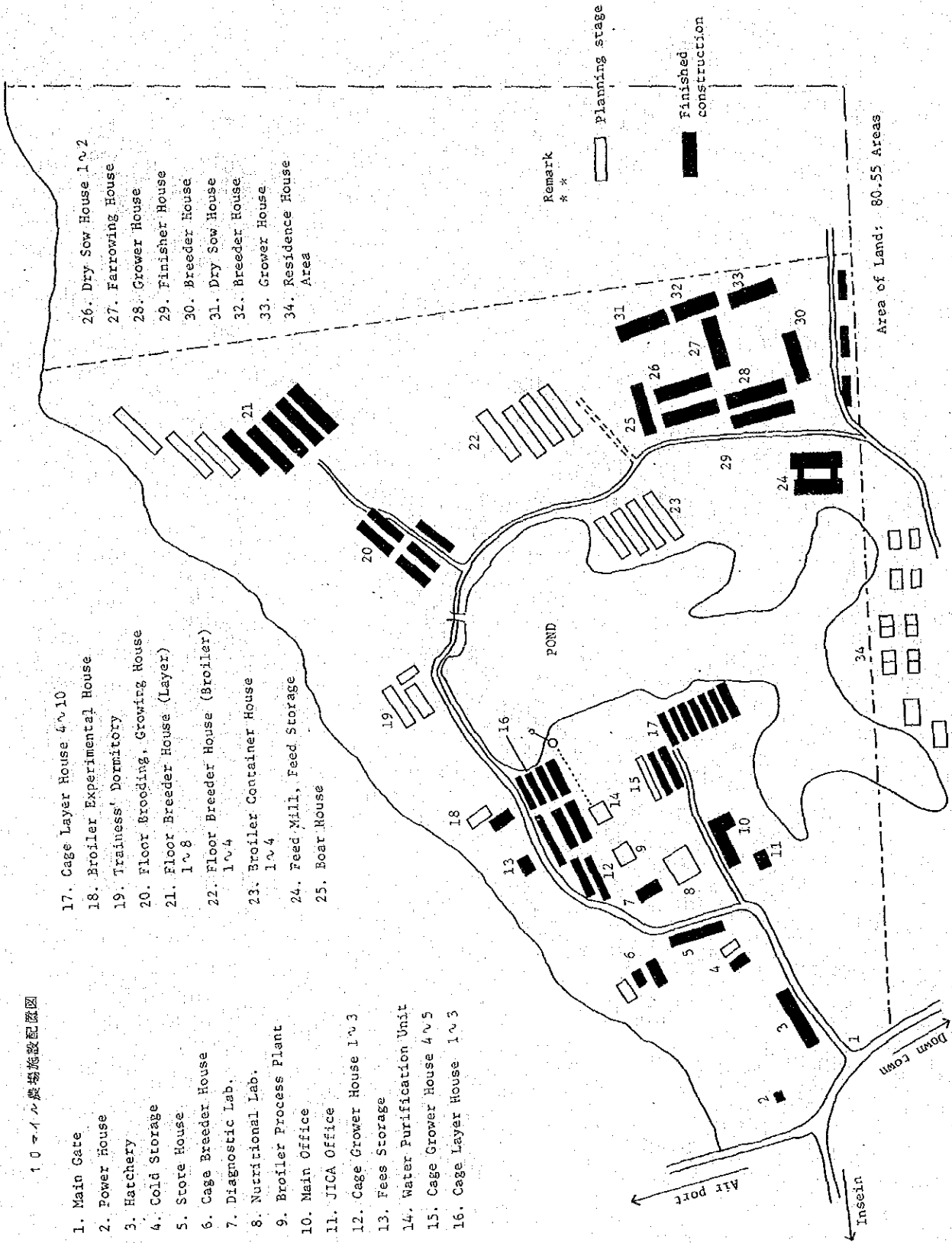
	Opening Number						Product No.						Import No.						Death						Distribute						Closing Number								
	Adult			Grower			Piglet/chicks			M			F			M			F			M			F			M			F			M			F		
	M	F	M	F	M	F	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M						
<u>1981-82 (Pig)</u>																																							
April	13	125	363	443	202	203	80	80					11	11	14	14	14								33	32		13	125	389	469	198	200						
May	13	125	389	469	198	200	80	80					11	11	12	12	12								5	30	30	32	220	394	395	200	201						
June	32	220	394	395	200	201	143	143					11	11	21	21	21								5	30	25	30	220	489	421	256	256						
July	30	220	419	421	256	256	143	143					11	11	21	21	21								20	59	58	30	200	415	418	312	312						
August	30	200	415	418	312	312	126	126					11	11	20	20	20								10	65	55	30	200	407	410	350	350						
September	30	200	407	410	350	350	126	126					11	11	20	20	20								10	61	52	30	200	456	459	334	334						
October	30	200	456	459	334	334	126	126					11	11	20	20	20								10	59	48	30	200	508	512	318	318						
November	30	200	508	512	318	318	126	126					11	11	20	20	20								30	55	46	30	180	548	551	318	318						
December	30	180	548	551	318	318	115	115					11	11	18	18	18								5	55	56	30	180	588	590	309	309						
January	30	180	588	590	309	309	115	115					11	11	18	18	18								5	55	55	30	180	628	630	300	300						
February	30	180	628	630	300	300	115	115					11	11	18	18	18								57	57	57	30	180	666	668	291	291						
March	30	180	666	668	291	291	115	115					10	9	18	18	18								112	113	113	30	180	641	643	291	291						
<u>1981-82 (Poultry)</u>																																							
April	674	6,069	379	3,416	3,393	28,000							4/-	9/60	-	-	-								20	400		6,000	350	3,300	3,490								
May	670	6,000	350	3,300	3,490	29,000							1/-	3/4	-	-	-								3	75		6,430	349	6,230	1,000								
June	690	6,430	349	6,230	1,000	29,500							-	6/20	2/4	10/50	-								70	57	150	6,500	310	6,380	-								
July	660	6,500	310	6,860	-	30,000							1/4	6/30	-	4/6	-								7	95	3	6,600	270	6,590	3,000								
August	650	6,600	270	6,590	3,000	30,170							3/5	5/3	1/-	3/13	-								5	55	55	6,700	230	6,300	3,000								
September	640	6,700	230	6,300	3,000	34,400							6/-	10/50	-	-	-								5	25	25	9,700	500	5,700	-								
October	650	9,700	500	5,700	-	33,600							3/5	7/45	2/4	4/12	-								5	15	15	10,800	450	4,300	-								
November	670	10,800	450	4,300	-	32,900							-	6/26	-	-	-								-	-	-	10,900	400	4,100	-								
December	690	10,900	400	4,100	-	30,200							1/-	6/28	-	-	-								-	-	-	11,100	350	3,800	3,500								
January	700	11,100	350	3,800	3,500	31,000							10/10	11/70	-	-	-								-	-	-	11,000	300	3,600	3,500								
February	630	11,000	300	3,600	3,500	25,000							5/6	4/10	5/40	15/60	-								5	30	20	10,300	600	6,900	-								
March	650	10,300	600	6,900	-	30,800							2/-	5/2	-	3/35	-								5	95	5	10,700	590	6,300	-								

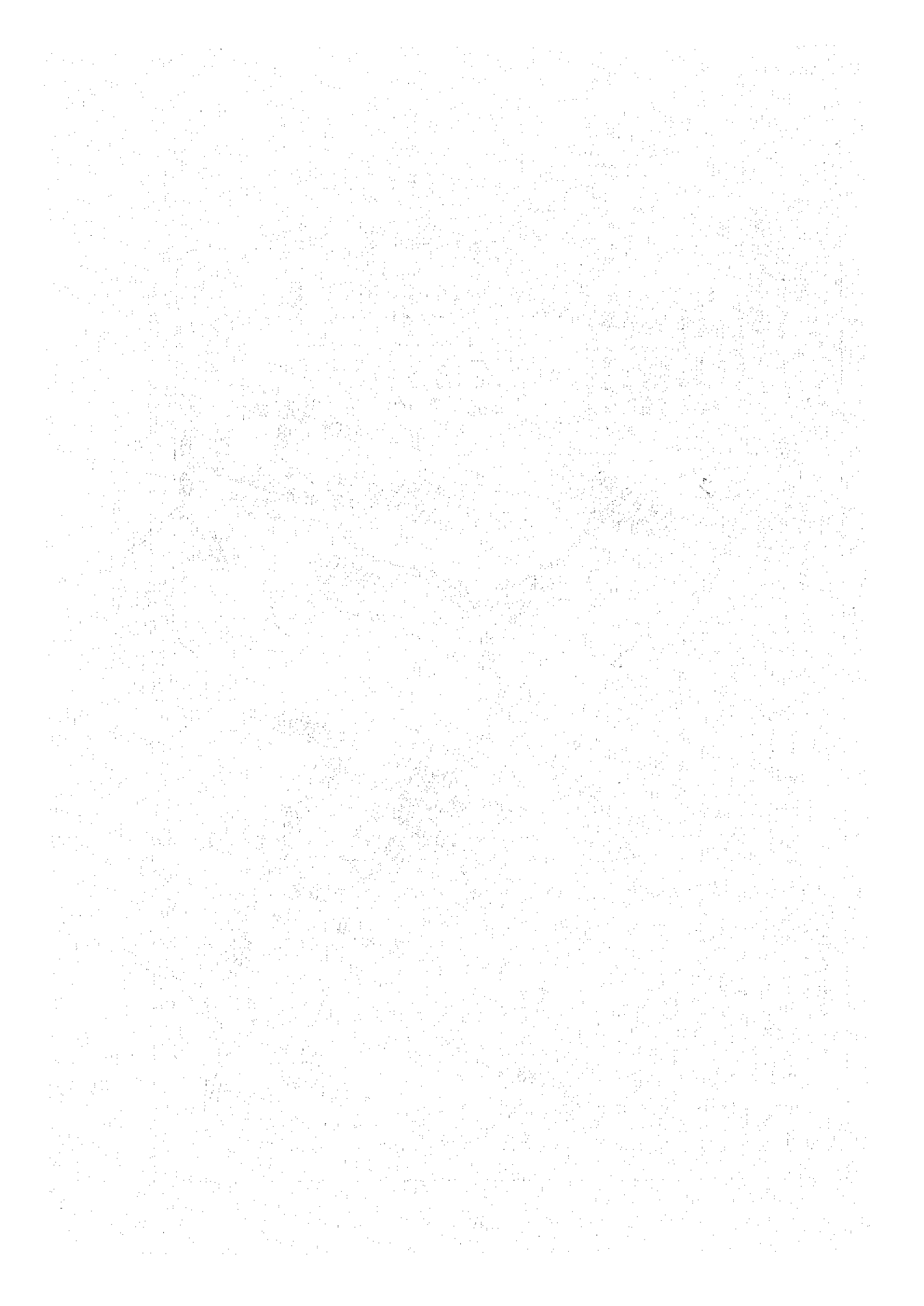
10 マイナル農場施設配置図

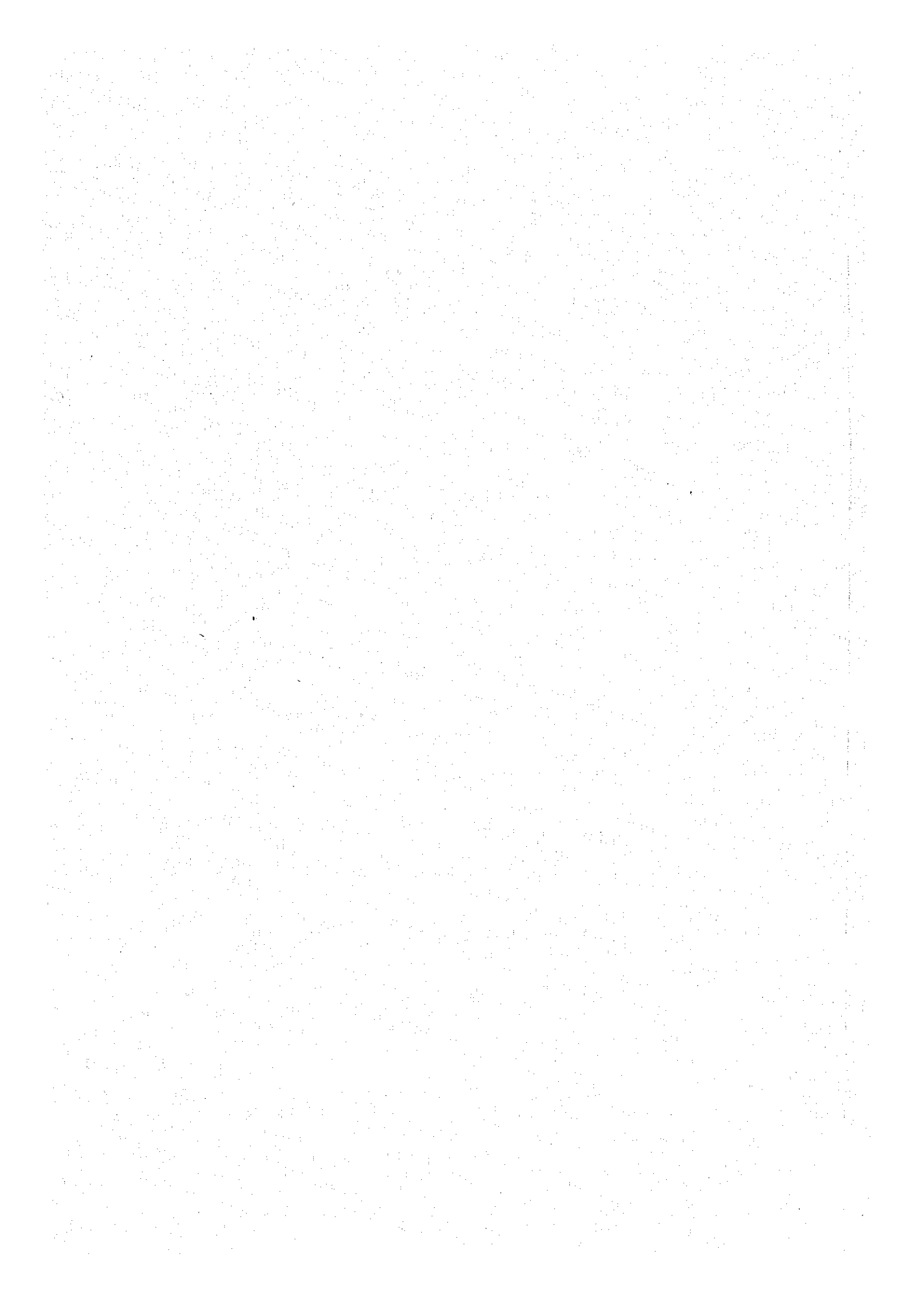
- 1. Main Gate
- 2. Power House
- 3. Hatchery
- 4. Cold Storage
- 5. Store House
- 6. Cage Breeder House
- 7. Diagnostic Lab.
- 8. Nutritional Lab.
- 9. Broiler Process Plant
- 10. Main Office
- 11. JICA Office
- 12. Cage Grower House 1~3
- 13. Fees Storage
- 14. Water Purification Unit
- 15. Cage Grower House 4~5
- 16. Cage Layer House 1~3

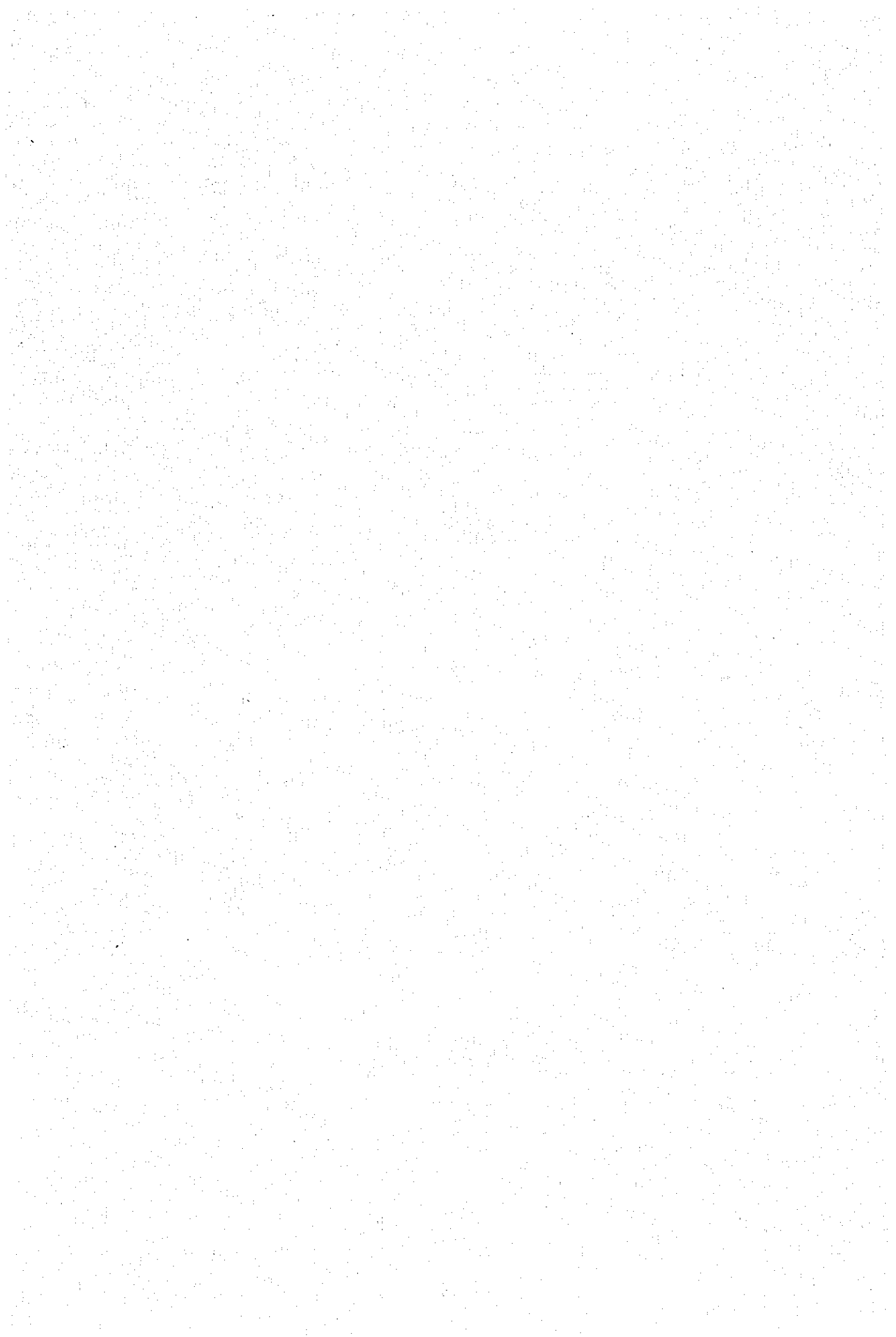
- 17. Cage Layer House 4~10
- 18. Broiler Experimental House
- 19. Trainees' Dormitory
- 20. Floor Brooding, Growing House
- 21. Floor Breeder House (Layer) 1~8
- 22. Floor Breeder House (Broiler) 1~4
- 23. Broiler Container House 1~4
- 24. Feed Mill, Feed Storage
- 25. Boar House

- 26. Dry Sow House 1~2
- 27. Farrowing House
- 28. Grower House
- 29. Finisher House
- 30. Breeder House
- 31. Dry Sow House
- 32. Breeder House
- 33. Grower House
- 34. Residence House Area









JICA