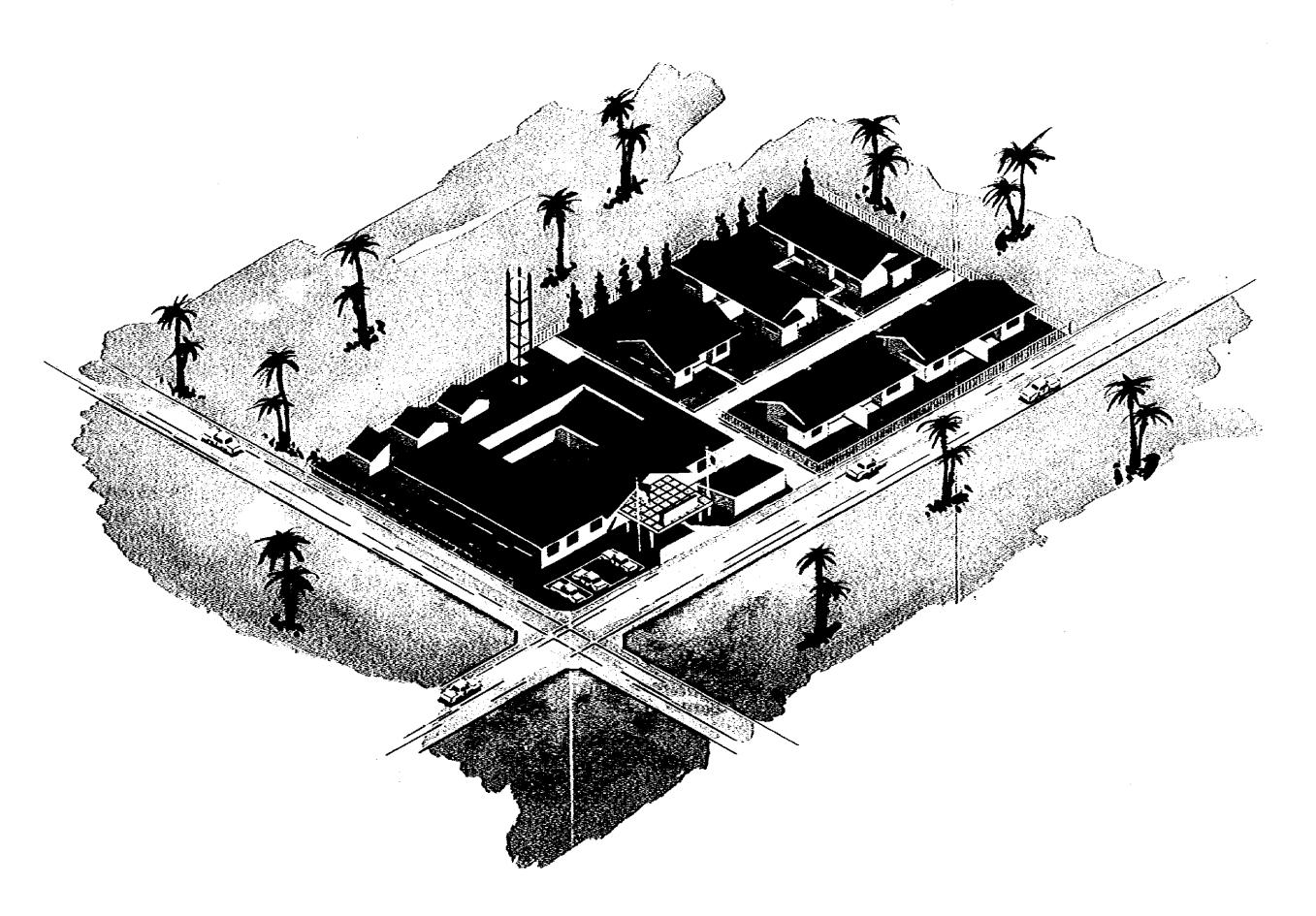


PEST OBSERVATORY UNIT SCALE: 1/200



PESTICIDE LABORATORY

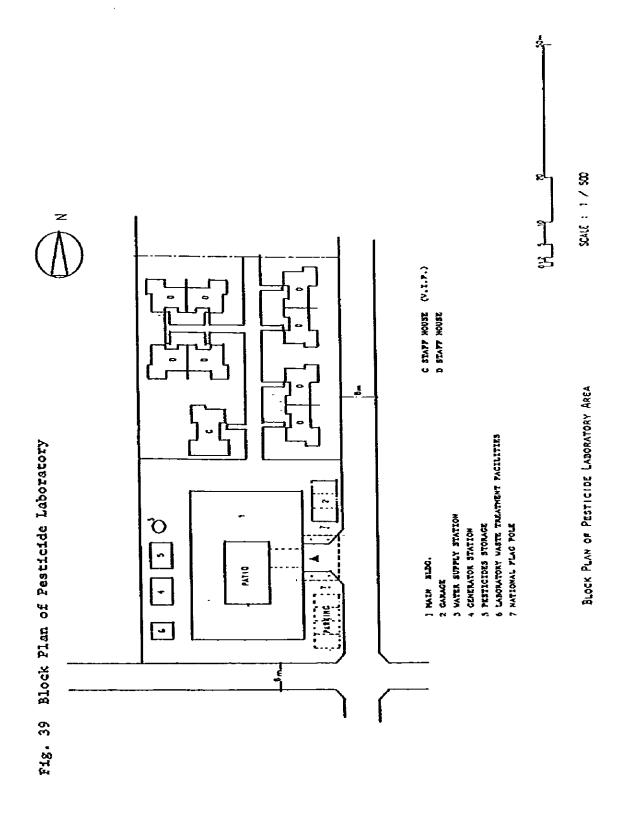
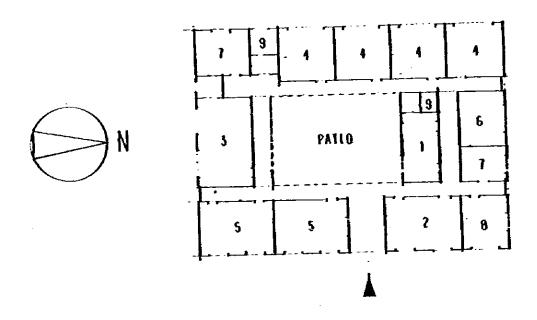


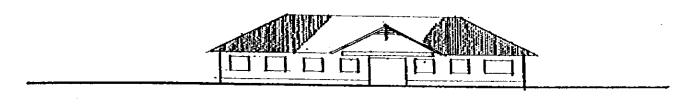
Fig. 40 Floor Plan of Pesticide Laboratory



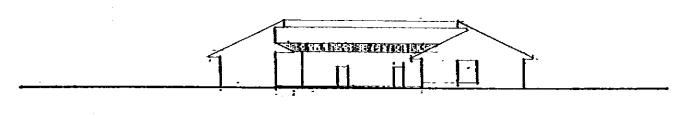
-] DIRECTOR
- 2 ADMINISTRATION
- 3 MEETING ROOM
- 4 LABORATORY
- 5 STAFF ROOM
- 6 EXRIBITION ROOM
- 7 STORAGE
- 8 PREPARATION ROOM
- 9 LAVATORY

SCALE: 1/400

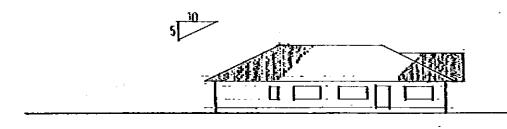
Fig. 41 General Drawings of Pesticide Laboratory



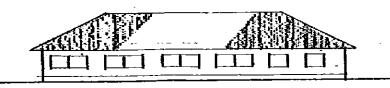
EAST ELEVATION



A - A SECTION



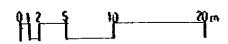
SOUTH ELEVATION

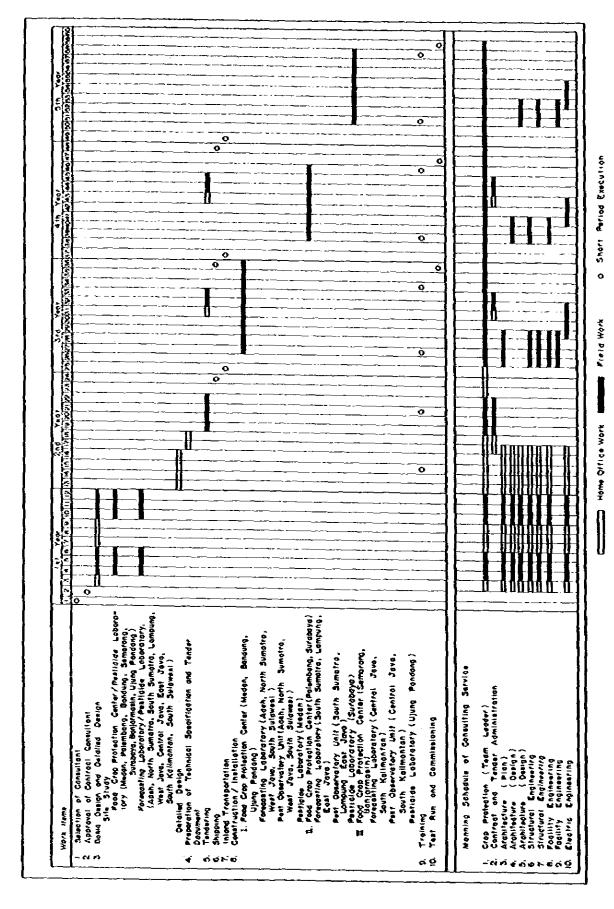


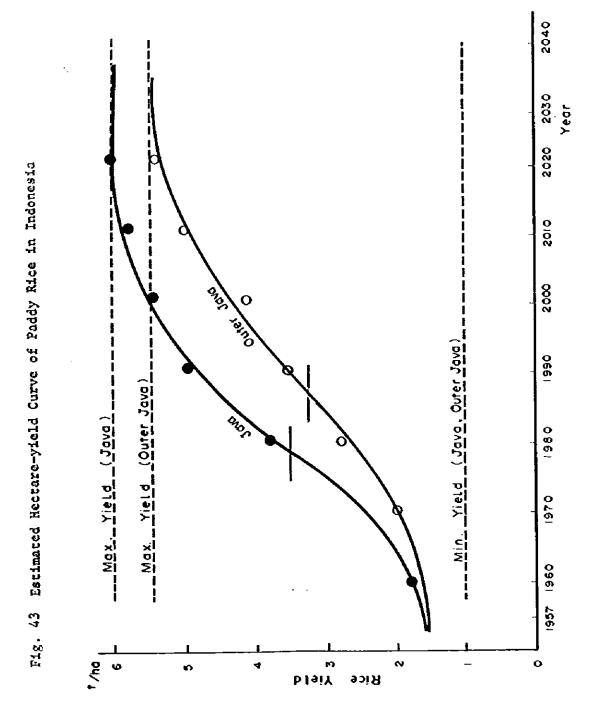
NORTH ELEVATION

PESTICIDE LABORATORY

SCALE : 1 / 400







	-		

Table 1 Proposed Location of Food Crop Protection Center and Responsible Province

Location	Object Responsible Province	Additional Responsible Province (in Future)	sible Province
Madan	Aceh, North Sumatra	West Sumatra, Riau	Riau
Palembang	South Sumatra, Lampung	Bengtulu, Jambi	•
Bandung	West Java	Jakarta	
Semarang	Central Java	Yagyakarta	
Surabaya	East Java	Bali, Nusa Tenggara Timur	gara Timur
Benjarmasin	South Kalimantan	Central, West, E	Central, West, East Kalimantan
Ujung Pandang	South Sulawesi	Central, Nor	North, Southeast
		Sulawesi	

Difference 1.2 1.8 1.4 3.5 .3 1.2 ... ပ္ Monthly Mean Temperature at Selected Meteorological Station in 1977-1978 26.5 25.7 26.7 23.1 29.6 26.6 25.9 25.8 28.0 27.5 23.5 22.8 27.7 26.0 25.8 26.1 26.1 ջ 25.8 27.3 24.5 23.0 26.5 ខ្លុំ 22.8 25.2 22.5 27.3 26.3 26.2 26.0 26.8 Sept 27.5 22.5 26.4 27.3 27.3 25.8 27.5 26.0 26.8 26.2 28.5 28.2 26.5 25.7 22.0 26.9 26.2 26.7 26.6 25.6 27.4 28.5 28.2 26.1 27.1 28.1 Ę 27.0 26.6 26.9 25.8 27.1 22.4 27.5 27.1 27.1 28.4 26.2 26.8 21.4 , in 28.0 28.0 27.2 27.0 26.8 28.1 28.1 23.2 27.9 20.4 26.7 28.7 27.3 26.7 Mαλ 27.6 27.8 22.8 27.9 27.7 27.0 26.8 26.1 22.9 26.8 26.5 28.3 26.5 Apr 26.3 28.4 26.5 26.7 25.8 26.8 26.0 28,2 28.7 Mar 28.0 27.2 27.3 23.0 26.7 26.0 25.9 28.0 27.0 25.3 28.1 F. 60 28.3 26.3 26.7 25.9 26.3 28.8 22.2 22.4 26.1 28.0 25.8 25.7 26.1 Jan 978 1978 1978 1977 1978 1977 1977 1977 1978 1978 1978 1978 1977 1978 1977 1977 1977 1978 1977 1977 1977 year (Padang Kemiling) (H. Sastranegara) (Talang Betutu) Ujung Pandung (Blang Bintang) (Simpang Tiga) (Hassanuddin) (Pal Merah) Banda Aceh Palembang rable 2 Pakanbaru Semarang Bengkulu A. Yani) Surabaya Denpasar Bandung (Polonia) (0.B.S.) (Perak) Jakarta (Yabin) Padang Jambi Station Medan ij Ξ ÷ ; æ ó ġ 2 e; 4 v; d

.i &		,		:		<u> </u>	1	į	=	6		; •			
~ i	Banda Aceh	1977	91.1	31.3	32.2	32.7	33.7	33.3	33.8	34.0	33.2	31.5	31.0	31.2	3.0
~i	(Blang Bintang)	1978	31.5	31.7	32.4	32.9	32.8	33.1	31.6	32.6	31.8	31.1	31.7	30.6	2.3
	Medan	1977	31.3	31.0	31.6	32.8	ı	•	ì	•	•	1	•	•	•
	(Polonia)	1978	1	:			32.0	31.9	31.1	31.8	31.0	30.7	30.8	30.4	•
**	Padang	1977	30.5	30.7	31.0	31.2	30.9	30.7	30.0	30.4	30.3	30.2	30.1	1	1.1
;	(Yabin)	1978	30.4	30.9	30.9	30.9	31.2	31.7	30.3	30.1	30.1	30.3	29.8	30.3	4. 9.
4:	Pakanbaru	1977	31.4	31.4	32.3	33.0	33.8	33.5	32.5	31.8	33.0	31.9	32.1	32.4	8 6
:	(Simpang Tigs)	1978	32.2	32.6	33.4	33.4	33.8	33.0	32.4	32.8	32,8	32.8	32.0	1	ы. 8
4	Jampi	1977	31.3	30.5	31.5	32.3	32.2	32.8	32.1	32.1	31.9	32.9	31.5	31.2	2.4
:	(Pal Morah)	1978	31.0	31.1	32.2	32.3	12.4	32.1	32.0	32.7	32,2	32.3	31.0	30.1	1.7
•3	Palembang	1977	30.3	30.0	30.4	31.5	31.9	31.6	31.9	32.1	32.3	33.3	31.7	30.6	e. e
:	(Talang Betutu)	1978	30.1	30.8	31.6	32.0	31.8	31,9	30.8	31.8	31.1	31.7	31.1	30.1	1.9
	Bengkulu	1977	32.2	32.7	33.5	34.7	34.6	33.9	33.3	33.1	32.6	33.3	32.6	32.8	1.1
	(Padang Komilling)	1978	31.8	33.0	32.8	31.4	31.7	30.8	30.4	30.9	30,2	30.4	30.6	30.8	8.
8	Jakarta	1977	30.5	29.7	30.6	32.5	33.1	31.8	32.0	32.9	32.8	34.4	32.6	30.7	4.7
	(O.B.S.)	1978	30.9	31.5	32.0	33.0	33.0	31.8	32.1	32.5	32.4	32.4	32.7	30.7	2.3
ď	Bandung	1977	27.6	27.3	27.8	29.1	29.3	28.4	28.9	29.3	29.8	31.2	29.9	28.7	2.6
;	(H. Sastranegara)	1978	27.5	28.4	28.2	28.8	28.8	27.8	27.7	28.4	28.0	28.7	28.7	28.0	r.
10.	Semarang	1977	29.8	29.6	29.5	31.8	32.0	31.9	33.0	33.4	33.8	35.4	33.2	30.7	5.9
;	(A. Yani)	1978	30.1	30.3	31.4	32.0	32.7	31.9	32.2	33.3	32.6	33.3	31.7	30.9	3.5
-	Surabava	1977	31.5	30.9	30.7	31.9	32.2	31.0	30.9	31.3	32.5	34.7	34.6	31.9	4.0
:	(Perak)	1978	30.7	30.7	30.7			•	•	31.5	32.3	33.4	33.0	31.1	2.7
12.	Dendagar	1977	30.9	30.3	30.7	30.6	30.0	20.2	27.8	27.8	28.4	30.2	31.3	31.0	3.5
		1978	30.9	30.9	31.0	30.9	31.6	29.3	29.1	20.3	29.0	30.1	30.7	30.7	2.8
e.	Utube Pandung	1977	28.7	28.7	30.5	38. 8.	31.3	30.0	31.7	32.1	33.5	33.9	32.9	2000	10.1
•	(Ilasanuddin)	1978	30.0	29.5	30.8	31.2	31.2	31.2	30.5	31.8	31.7	32,3	31.4	29.6	28

Table 4 Monthly Mean Minimum Temperature at Selected Meteorological Station in 1977-1978

	Station	your	Jan	ľeb	Mar	Apr	May	Jun	Jul .	Aug	Sopt	Oct	202	Dec	Difference	
۲.	Banda Acah	1977	21.4	20.5	21.2	21.6	22.1	21.7	22.4	•	,	•	٠.	•		Γ
	(Blang Bintang)	1978	ı	,	•	1	•		1		•	ı	•		•	
.:	Medan	1877	ŧ	21.7	22.2	22.7	22,3	22.4	22.2	22.0	22.4	22.4	22,4	22.2	1.0	
	· (Polonia)	1978	21.5	22.1	22.5	22.4	23.0	22.4	21.8	22.1	22.0	21.9	22.0	21.9	1.5	
	Padang	1077	22.9	22.1	22.9	23.3	22.8	23.3	22.1	21.8	22.7	22.4	22.8	22.7	1.5	
	(Yabin)	1078	22.4	22.7	22.9	23.1	22.3	22.0	22.0	22.5	21.9	22.2	22.2	22.3	1.1	
4	Pakanbaru	1977	21.5	21.0	21.9	22.3	22.2	21.6	21.3	22.1	21.1	21.9	22.2	21.9	1.3	
	(Simpang Tiga)	1978	21.6	21.9	22.2	22.3	22.8	21.0	21.8	21.9	21.5	21.5	22.3	٠	1.1	
٠; 	Jambl	1977	22.4	22.1	22.4	22.7	23.4	22.8	22.7	21.8	22.2	22.8	22.7	23.0	1.6	
	(Pal Merah)	1078	23.1	23.0	23.2	23.0	23.0	22.9	22.5	22.7	22.2	22.7	22.8	23.1	1.0	
	Palembang	1977	23.1	22.5	23,1	23.7	23.4	22.9	22.6	22.0	22.4	22.4	23.3	23, 1	2.4	
	(Talang Betutu)	1978	22.8	23.0	23.3	23.5	23.9	23.0	22.5	22.8	22.5	23.0	23.0	23.0	1.1	
.,	Bengkulu	1977	21.9	21.7	22.2	22.5	22.0	22.0	21.4	21, 3	20.9	22.7	22.4	22.4	1.4	
	(Fadang Kemiling)	1978	21.9	22.4	22.7	22.5	23.1	22.1	22.0	22.2	21.0	22.3	22.3	22.2	1.2	
æ; 	Jakarta	1977	23.6	23.6	24.0	24.4	24.4	23, 7	23.1	23.2	23.2	24.2	24.2	23. 7	**	
	(O.B.S.)	1978	23.9	24.2	24.0	24.2	24.5	23.9	23.5	23.6	23.5	23.8	23.6	24.0	1.0	-
ة -	Bandung	1977	18.4	18.7	18.7	18.8	17.7	17.8	15.0	15.4	16.4	17.3	18.3	18.6	3.7	
	(H. Sastranegara)	1978	18.7	18.8	18.6	17.5	18.8	18.5	17,4	17.4	17.3	17.8	17.6	18.6	1.6	
10.	Semarang	1977	23.3	23.3	23.5	23.9	24.0	24.0	21.2	21.3	22.3	23.5	24.0	23.8	8 2	
	(A. Yani)	1978	23.7	23.9	24.3	24.5	24.8	23.5	22.6	22.9	23.0	23.6	23.6	•	1.5	
=======================================	Surabaya	1977	24.3	23.8	23.9	24.3	24.0	23.6	21.2	21.2	22.7	23.8	25.2	24.3	0.4	
	(Perak)	1978	24.0	24.3	24.7	24.7	24.8	24.2	23.2	23.3	23.5	24.4	24.7	24.3	1.5	
12.	Denpaser	1977	24.5	24.1	24.4	24.1	23.9	23.6	23.1	22.2	22.9	23.5	24.1	24.6	2.4	
		1978	25.2	24.4	24.6	24.4	24.7	24.0	23.7	23.6	23.6	23.8	24.2	24.3	9 1	
ij	Ujung Pandung	1977	22.7	22.8	23.0	17.7	23.0	21.8	20.3	20.8	21.0	20.4	22.6	23.4	3.0	
	(Hasanuddin)	1978	23.6	23.5	23.3	23.0	23.4	22.8	22.3	22.0	22.2	22.0	22.6	23.3	1.6	

Table 5 Monthly Precipitation at Selected Mereological Station in 1978-1979

		your	E 67	2	Ē	Č.	5	5	į		į	5		Š	
	Banda Aceh	8261	8	ន	ន	207	103	ឆ	2	122	167	23	338	103	1,420
	(Blang Bintang)	1879	117	118	165	20	162	9.	190	31	171	177	143	257	1,640
c.	Medan	1978	116	84	27	348	119	110	220	145	132	318	402	21	2,040
	(Polonja)	1979	117	6	106	186	123	82	222	201	288	456	222	219	2,241
က်	Padang	1978	240	328	237	525	280	307	37.2	224	516	418	888	190	4,332
	(Yabin)	1979	493	341	312	207	328	387	487	304	.108	684	247	145	4,173
	Pakenbaru	1978	122	148	117	241	2.5	206	125	8	198	190	616	196	2,288
	(Simpang Tiga)	1878	195	182	374	332	110	205	175	139	132		447	•	1
ฑ์	Jambi	1978	210	307	148	302	140	230	129	134	207	368	317	218	2,710
	(Pal Merah)	1979	280	154	172	256	221	89	92	19	168	272	243	285	2,292
٠,	Palembang	1878	233	157	214	270	107	127	90	109	129	249	427	438	2,583
	(Talang Betutu)	1079	361	228	202	310	223	145	204	157	146,	345	280	263	2,957
έ.	Bengkulu	1978	286	583	198	281	371	150	303	148	. 317	351	646	339	3,973
	(Padang Komiling)	1979	648	243	435	250	158	254	282	223	297	2. 6.4 60	337	290	4,143
÷	Tanjung Karang	1978	342	451	153	787	130	1	•	62	163	92	60	258	1
	(Branti)	1979	93	248	461	81	134	126	153	192	108	152	101	258	2,112
œ.	Jakarta	1978	728	227	229	112	137	39	92	37	73	129	165	321	2,275
	(0.B.S.)	1979	212	282	274	88	137	167	114	79	130	128	183	284	2,018
10,	Bandung	1978	187	155	190	384	133	34	, vo	8 6	171	223	38	•	•
	(H. Sastranegara)	1979	231	114	364	184	255	200	100	96	165	185	502	381	2,574
11.	Semarang	1978	906	104	168	273	262	23	4	¥7	147	49	221	119	2,545
	(A, Yani)	1979	536	248	380	138	232	139	70	169	218	223	338	290	3,007
12.	Yogyakanta	1978	260	102	247	143	247	67	8		4	36	50	403	1,695
13,	Surabaya	1978	360	234	311	287	161	01	æ5	1	18	90	73	273	ı
	(Perek)	1979	710	00.4	138	134	109	10	23	20	43	£	83 83	344	2,202
•						Ì];	1	3	063 6

	Station	year	Jan	r O	M	Apr	May	r F	วีก	Aug	Sept	Oct	> N	Dec	Difference
] _	Banda Aceh	1977	18	g	7.9	82	8	28	712	72	2	88	88	87	17
;	(Blang Bintang)	1978	18	81	82	25	38	7.5	75	69	76	83	83	84	15
2	Medan	1977	80	83	. 08	7.0	78	78	74	83	31	83	84	83	11
i	(Polonia)	1978	18	11	79	79	81	80	.82	80	83	84	83	జ	Ŀ
۲,	Padang	1977	83	90	82	84	83	80	81	≓	00 63	88	83	88	ဖ
	(Xabin)	1978	82	82	8	82	83	80	18	8	9.	83	48	8 4	4
4	Pakanbaru	1977	83	88	80	83	& 4	83	83	8	84	83	88	80 83	4
;	(Simpang Tiga)	1978	83	84	85	84	84	90	83 53	18	82	នេ	85 85	t	43
¥7	Jempi	1977	82	85	84	98	83	83	18	79	83	7.9	80	85	2
;	(Pal Merah)	1978	& 4	85	8.4	84	4	82	84	81	83	82	8	88	4
9	Palembang	1977	87	87	88	89	87	83 55	82	49	24	22	84	87	14
;	(Talang Betutu)	1978	87	87	86	83	98	83	85	83 63	80	8	85 85	81	va
٠.	Bengkulu	1977	87	84	84	88	85 63	84	88	88	88	87	88	88	'n
ı	(Padang Kemiling)	1978	87	84	86	88	85	83	85	80 40	98	88	85	28	က
0	Jakarta	1977	83	83	83	80	78	81	70	88	69	99	42	78	19
:	(O.B.S.)	1978	79	7.9	7.8	74	76	11	7.4	25	73	73	23	80	&
ď	Bendung	1977	83	96	86	22 90	18	84	73	63	89	62	92	81	54
:	(H. Sastranogara)	1978	8	83	89		83 23	83 53	90	78	7.8	52	49	83	20
0	Semarane	1977	83	80 44	84	38	73	74	88	99	65	63	72	80	21
;	(A. Yani)	1978	83	83	81	78	38	% 82	78	25	22	23 23	75	8	11
-	Surabava	1977	80	81	88	7.9	92	11	69	.66	63	88	63	79	23
:	(Perak)	1978	8	83	83	78	6 2	# 8	74	ζ.	2	88	Ę	18	18
2	Denpasar	1977	7.8	7.	11	11	11	74	7	2	23	73	5	73	જ
		1978	7.5	22	77	2	49	81	7.8	. 92	11	11	2.2	78	Ð
~	Utune Pandung	1977	87	88	8)	83	 69	48	75	2	6	15	2	85	27
		9.0	¥7	60	84	81	84	81	81	11	78	76	81	87	ជ

Table 7 Monthly Mean Duration of Sunshine at Selected Meteological Station in 1977-1978

	Station	year	Jan	7. O	Mar	Apr	May	Jun	JE	Aug	Sept	Ö	X ₀	Ď
4	Banda Aceh	1977			•	١.			•	•	١.	•	١,	'
	(Blang Bintang)	1978	1	•	•	•	•	•	•	•	•	•	•	•
c;	Moden	1977	G C	422	22	55	84	25	55	84	20	ဗ္ဗ	36	47
	(Polonia)	1978	83 83	23	4	64	Š	. 4	42	45	ထ	ဗ္ဗ	45	45
	Padang	1977	57	44	99	. 55	68	64	61	85	4	6	4	62
	(Yabin)	1978	40	80	S	52	43	2	26	4.0	42	\$2	45	3
4.	Pakanbaru	1277	4.2	84	6	55	70	75	65	8	4.2	\$	6	400
	(Simpang Tiga)	1978	47	2	48	80	55	56	99	8	51	44	57	•
s;	Jambi	1977	4	84	45	31	66	60	28	62	55	63	4	20
	(Pal Morah)	1978	1	60	48	36	49	8	4 ∞	60	4	22	44	8
ų;	Palembang	1977	48	<u>م</u> دن	43	62	۲. 33	88	1 2	68	71	68	52	ဗ္ဂ
	(Talang Botutu)	1978	43	20	54	99	22	68	Ş	4	30	\$6	\$	8
.:	Bengkulu	1977	65	88	68	42	80	74	69	-3 8	64	28	\$.	61
	(Padang Kemiling)	1978	8 8	29	61	62	69	99	62	19	64	S 6	09	\$1
œ.	Jakarta	1977	33.	53	4 5	S S	76	19	1 6	8	80	84	62	6
	(O.B.S.)	1978	4	47	4	20	88	6	80	89	\$8	99	80	27
e.	Bandung	1977	45	46	5	42	9	53	69	18	7.1	65	80	57
	(H. Sastranegara)	1978	45	60 50	4	63	61	49	55	20	82	80	27	4.2
10.	Semarang	1977	24	50	56	8	99		•	6	75	9	S,	•
	(A. Yani)	1978	•					•	•	•	•	•	•	55
11:	Surabaya	1977	58	41	62	84		77.	66	97	96	100		53
	(Perak)	1978	49	65	49	73	63	52	75	84	80	75	89	4.9
13.	Denpasar	1977	59	44	5	16	94	87	98	87	84	90 63	28	67
		1978	19	99	5	98	4	29	23	96	30	8	7.4	19
133	Ujung Pandung	1977	•		60	81	84	29	83	94	98	66	86 44	9
	(Hannouddin)	1978	6.4	55	53	ž	40	*	7.0	č	5.0	æ		8

Table 8 Rice Insect Pests in Indonesia

Species	Common Name	Local Name
Agromyza oryzae Munakata	Rice leaf miner	Penggerek daun
Atherigonia oryzae Mall.	Rice seeding fly	Lalat bibit padi
A. exigua Stein	a	at .
Baliothrips biformis Bagn.	Rice thrips	Trips padi
Chilo polychrysus (Meyr.)	Dark-headed rice borer	Penggerek padi kepala hitam
C. suppresalis Wek.	Striped rice borer	Penggerek batang, Penggerek padi bergaris
Cnaphalocrosis medinalis Guen.	Rice leaf holder	Hama putih palsu, Hama penggulung daun
Dicladispa armigera (Ol.)	Rice hispa	Hispa padi
Cryllotalpa africana Pal.	African mole cricket	Orong-orong
Kydrellia philippina Ferino	Rice whorl maggot	Hama lalat daun padi, Lalat daun, Ulat pemakan tepi daun
Lagynotomus elongatus Dall.	Rice stink bug	Kepik padi
Leptocorisa oratorius F.	Rice bug	Walang sangit
L. scutus Thumb.	-	æ
L. chinensis Dall.	•	*
Mythimna separata Wlk.	Paddy army worm	Ulat tanah, Ulat tentara, Ulat tentara-kuning
M. loreyi Dup.	Leaf-eating caterpiller	#
Naranga aenescens Moore	Rice green caterpiller	Vlat padi hidjau
Mephotettix nigropictus Stall.	Green rice leafhopper	Wereng padi hidjau, Wereng daun
N. virescens Dist.	×	
Nezara viridula L.	Southern green stink bug	Kepik padi hidjau, Kepik idjo
Nilaparvata lugens Stal.	Brown plant hopper	Hama wereng, Wereng padi coklat
Nymphula depunctalis Guen.	Rice case worm	Hama putih
Orseolia oryzae Wood-Mason	Rice gall midge	Hama ganjur
Recilia dorsalis Motsch.	Zig zag winged leafhopper	Wereng padi biku-biku
Rhopalosiphum rufiabdominalis (Sasaki)	Redrice root aphid	Kutu akar
Scotinophara cinerea LeG.	Rice black bug	Kepinding tanah, Kepinding air
Sesamia inferens Wik.	Pink borer	Penggerek balang padi merah jambu, Penggerek merah jambu
Sogatella furcifera Horv.	White backed plant hopper	Wereng puggung putih, Wereng padi berpunggung putih
Spodoptera maurita Boisd.	Paddy swarming caterpiller	Ulat grayak, Ulat tanah, Ulat tentara kelabu, Ulat tentara-hitan
S. exempta Wik.	African army worm	•
S. litura P.	Tobacco cutworm	Ulat tentara hidjau, Ulat coklat kilan
Susumia exigua (Butl.)	Rice leaf roller	Penggulung daun padi
Tryporyza incertulas Wik.	Yellow rice borer	Penggerek pådi kuning, Penggerek batang, Penggerek Kuning, Penggerek batang kuning
T. innotata Wik.	White rice borer	Penggerek batang, Penggerek padi putih, Penggerek batang putih
Valanga sp.	Small rice grass hopper	Belalang padi

Table 9 Rice Diseased in Indonesia

Species	Common Name	Local Name
Cylindrocladium scoparium Morgan	Sheath net-blotch	
Gibberella monliforme (Sheld.) Winel.	Bakanae disease	Penyakit Bakanae
Helminthosporium oryzae Breda de Haan	Brown leaf spot	Penyakit becak coklat daun, Helminthosporium
H. sigmoideum Cav. var. irregulare Cralley et Tullis	Stem rot	Penyakit busuk batang
Leptosphaeria salvinii Catt.	•	=
Pyricularia oryzae Cav.	Blast	Penyakit blast, Pyricularia, Penyakit gelang buku, Penyakit tergantung gelalanya
	Leaf blast	Penyakit pada daun, Penyakit busuk daun
	Heck blast	Penyakit busuk leher
Rhynchosporium oryzae Hashioka et Yokogi	Leaf scald	Penyakit becak daun Fusarium
Sphserulina oryzina Hara	Harrow brown leaf spot	Noda daun Cercospora, Penyakit becak bergaris daun, Penyakit becak daun Cercospora, Penyakit coklat daun
Thanatephorus cucumeris (Frank) Donk	Sheath blight	Penyakit busuk pelpah daun, Penyakit kudis, Penyakit Kudis batang, Penyakit busuk upih
Ustilaginoidea virens (Cke.) Tak.	False smut	Penyakit noda palsu
Xanthomonas oryzae (Uyeda et Ishiyama) Dowson	Bacterial leaf blight	Penyakit busuk bakteri daun, Keresek
X. translucens f. sp. oryzicola (Fang et al.) Bradbury	Bacterial leaf streak	Penyakit bakteri daun bergaris

Table 10 Rice Virus Diseases and their Vectors in Indonesia

Local Name of Disease	Penyakit kerdil rumput	Down orange	Penyakit kerdil hampa	Tungro, Mentek, Penyakit habang	Penyakit kerdil kuning
Vector	Nilaparvata lugens	Pecilia dorsalis	Nilaparvata lugens	Nephotettix virescens N. nigropictus	Nephotettix virescens
Common Name	Grassy stunt	Orange leaf	Ragged stunt	Tungro	Yellow dwarf

Rice Pest Damaged Areas in 1000 ha by Selected Province in 1978 Table 11

Pest Species Provinces	Stem borers	Gall mídge	Brown plant hopper	Rice bug	Armyworms Cutworms	Leaf rollers and holders	Rice thrips	Rice	Grass	Green rice leathoppers	Rice black bugs
Aceh	2,605	121	28,831	3,861	963	2,582	0	15	0	129	1,904
North Sumatra	7,688	25	4,761	4,653	164	6,125	0	64	0	163	4,153
Riau	3.658	6	478	3,661	312	3,111	o	0	0	0	1,800
West Sumatra	2,990	70	1,713	3,834	78	4,820	0	4	0	13	626
Jambi	2,069	0	6,360	10,907	0	2,859	٥	\$59	•	1,118	687
Bengkulu	•	0	0	872	0	0	0	0	0	0	0
South Sumatra	1,981	706	10,201	5,105	23	1,867	4	61	0	1,745	1,844
Lamoung	10,865	1,232	4,577	8,467	7,181	6,273	32	125	٥	ដ	1,326
Jakarta	116	16	0	15	0	16	0	٥	0	4	27
West Java	110,345	31,919	55,473	81,407	15,948	34,500	279	123	1,221	1,877	33,304
Central Java	91,769	20,805	73,175	70,290	16,544	34,631	39	0	317	1,593	8,352
Yogyakarta	3,033	680	15,841	4,194	737	2,487	~	0	22	2 3	968
East Java	28,961	8,244	47,235	14,243	9,191	4,339	11	0	0	437	\$78
BAII	2,300	88	10,961	439	426	2,961	168	0	0	0	133
west Nusa Tenggara	14,227	353	14,920	2,106	507	4,440	53	0	99	11	22
East Nusa Tenggara	386	•	94	248	23	587	0	O	o	47	0
East Timol	ī	•	•			•	•	•	•	•	•
Maluku	135	0	S S	0	23	0	0	0	0	0	٥
Irlan Jaya	•	•	1	•	•	•	•	•		•	•
Bast Kalimantan	1,370	0	158	489	469	495	75		0	11	0
West Kalimantan	3,675	0	2,374	881	5. 4.	1,128	0	0	0	0	185
Central Kallmantan	619	36	1,593	868	vo.	2,650	0	0	•	0	0
South Kallmantan	4,302	0	4,580	4,126	34	2,285	0	0	0	0	0
North Sulawesi	1,502	0	2,941	4,641	157	2,646	12	0	0	0	07
Central Sulawesi	437	7	234	152	162	13	0	0	0	ca	٥
South Sulawesi	16,736	80	31,133	6,461	3,210	13,654	0	0	0	0	0
Southeast Sulawesi	2,979	125	1,400	2,096	463	2,357	0	SS.	0	0	45
Total Area	314,748	64,509	319,083	234,062	56,632	136,901	627	998	1,669	7.251	56.03:
	28.4%	5.4%	26.8%	19.6%	4.7%	11.5%	0.1%	9:1%	0.2%	0.6%	9

Rice Pest Damaged Areas in 1000 ha by Selected Province in 1980 Table 12

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224.745 36,571	79,118 125,693	57,203	129,563 1	1,509		1,994	3,117	10,988
8.5%	11.8% 18.7%	8.5%	19.3%	0.2%	0.0%	8 8 8	80.0	20.7

Rice Pest Damaged Areas in 1000 ha by Project Related Province in 1978 Table 13

Pest Species Provinces	Stem borers	Gall midge	Brown plant hopper	Rice bug	Armyworms Cutworms	Leaf rollers and holders	Rice thrips	Grass	Green rice leathoppers	Rice black bugs	Total
Aceh.	2,605	121 (0.3%)	28,831 (70,3%)	3,861	963 (2.4%)	2,582 (6.3%)	(0.0%)	(0.0%)	129 (0.3%)	1,904 (4.6%)	40,996 (100.0%)
North Sumatra	7,688	25 (0.1%)	4,761	4,653 (16.8%)		6,125	(0.0%)	(0.0%)	163 (0.6%)	4,153 (15.0%)	27,732 (100.0%)
West Sumatra"	2,990 (21.2%)	70 (0.5%)	1,713 (12.2%)	3,834 (27.2%)	28 (0.2%)	4,820 (34.2%)	(0.0%)	(0.0%)	(0.1%)	626 (4.4%)	14,096 (100.0%)
South Sumatra.	1.981	706 (3.0%)	10.201 (43.4%)	5,105 (21.7%)	(0.1%)	1,867 (8.0%)	14 (0.1%)	(0.0%)	1,745 (7.4%)	1,844 (7.9%)	23,490
Lampung*	10,865 (27.2%)	1,232 (3.1%)	4,577 (11.4%)	8,467 (21.2%)	7,181 (18.0%)	6,273 (15.7%)	32 (0.1%)	(0.3%)	(0.0%)	1,326 (3.3%)	39,964 (100.0%)
Wost Java	110,345 (30.1%)	31,919 (8.7%)	55,473 (15.2%)	81,407 (22.2%)	15,948 (4.4%)	34,500 (9.4%)	279 (0.1%)	1,221 (0.3%)	1,877 (0.5%)	33,304 (9.1%)	366,273 (100.0%)
Central Java**	91,769 (28.9%)	20,805 (6.6%)	73,175 (23.1%)	70,290 (22.1%)	16,544 (5.2%)	34,631 (10.9%)	39 (0.0%)	317 (0.1%)	1,593 (0.5%)	8,352 (2.6%)	317,515 (100,0%)
East Java	28,961 (25.6%)	8,244 (7.3%)	47,235 (41.7%)	14,243 (12.6%)	9,191 (8.1%)	4,339 (3.8%)	(0.0%)	(0.0%)	437 (0.4%)	579 (0.5%)	113,240 (100.0%)
Bali	2,300 (13.2%)	68 (0.4%)	10,961 (62.8%)	439 (2.5%)	428 (2.4%)	2,961 (17.0%)	168 (0.9%)	0 (0.0%)	(0.0%)	133 (0.8%)	117,456 (100.0%)
South Kalimantan	4,302 (28.1%)	(0.0%)	4,580 (29.9%)	4,126	34 (0.2%)	2,285 (14.9%)	(0.0%)	0 (0.0%)	(0.0%)	(%0.0)	15,327 (100.0%)
South Sulawesi	16,736 (23.5%)	95 (0.1%)	31,133 (43.6%)	8,461 (9,1%)	3,210 (4.5%)	13,654 (19.2%)	(0.0%)	(0.0%)	(0.0%)	(%0.0)	71,289 (100.0%)
Total Acroage Relative Abundance	181,542 (19.1%)	63,285	272,640 (28.8%)	202,886 (21.4%)	53,716 (5.7%)	114,037 (12.0%)	543	1,538	5,970 (0.6%)	\$2,221 (5.5%)	948,378 (100.0%)

 Provinces not projected but included in present field studies
 Provinces projected but excluded from present field studies Notes:

Rice Pest Damaged Areas in 1000 ha by Project Related Province in 1980 Table 14

Post Species Provinces	Stem borers	Call midge	Brown plant hopper	Rice bug	Armyworms Cutworms	Leaf rollers and holders	Rice thrips	Grass Green ric	Green rice afhoppers	ongs pags	Total
Acen*	7,226 (25.9%)	0.0%)	8,056 (28.9%)	2,408 (8.7%)	3,521 (12.8%)	6,245 (22.4%)	(0.0%)	(0.0%)	117 (0.4%)	314 (1.1%)	27,887 (100-0%) 29-032
North Sumatra	4,406 (15.2%)	(0.0%)	8,589 (29.6%)	5,557 (19.1%)	639 (2.2%)	5,529 (19.0%)	(%0.0)	(0.0%)	(0.3%)	(14.6%)	(100.0%)
West Sumatra.	1,476 (10.9%)	(0.0%)	5,452 (40.5%)	2,262 (16.8%)	128 (1.0%)	3,400 (25,3%)	(0.1%)	(0.0%)	(0.0%)	(5.4%)	(100.0%)
South Sumatra**	1,358 (33.0%)	(0.0%)	1,923 (46.8%)	(4.1%)	(2.8%)	(10.6%)	(0.0%)	(%0.0)	(0.1%)	(2.6%)	(100.0%)
Lampung*	9,793 (25.6%)	501 (1.3%)	5,069 (13.2%)	4,511 (11.8%)	(3.0%)	(44.4%)	(0.0%)	(0.0%)	(0.0%)	(0.7%)	(100.0%)
West Java	57.778 (33.7%)	15,640 (9.1%)	26,794 (15.6%)	24,658 (14.4%)	17,219 (10.1%)	(13.5%)	(0.2%)	(1.2%)	(9.8%)	(1.4%)	(100.0%) 174.809
Central Java**	74,697 (42.7%)	11,111 (6.4%)	3,527 (2.0%)	38,313 (21.9%)	16,846 (9.7%)	(15.9%)	(0.1%)	(0.0%)	(0.6%)	(0.7%)	(100.0%)
East Java	7,231 (16.0%)	768 (1.7%)	1,101 (2.4%)	25,746 (56.8%)	5,503	(9.7%)	(0.1%)	(%0.0)	(%8.0)	(0.3%)	(100.0%)
Ball••	4,196 (39.6%)	133	503 (4.8%)	1,508 (14.2%)	(6.0%)	(31.8%)	(3,3%)	(0.0%)	(0.0%)	(0.1%)	(100.0%)
South Kalimantan	2,788 (23.4%)	240 (2.0%)	6,148 (51,6%)	1,435 (12.1%)	(0.7%)	(10.2%)	(0.0%)	(%0°0)	(0.0%)	(%0.0)	(100.0%)
South Sulawosi	29,441 (42.2%)	6 (0.0%)	5,943 (8.5%)	(9.2%)		(29.1%)	(0.1%)	(0.0%)	(%0.0)	(0.0%)	(100.0%)
Total Acreage Relative Abundance	200,390	28,399 (4.7%)	73,105 (12.3%)	112,943 (18.9%)	53,485	112,873 (18.9%)	956 (0.2%)	1,994 (0.3%)	(0.5%)	(1.6%)	(100.0%)

 Provinces not projected but included in present field studies
 Provinces projected but excluded from present field studies Notes:

Table 15-a Pesticides Prepared for BIMAS/INMAS Programme in 1977

1 2.	Insecticide	A:			Active ingredient
2.		Agrothion	50EC	Emulsifiable concentration	Organophosphorus
	Ħ	Azodrin	15WSC	Water soluble powder	н
3.	Ħ	Basazinon	45/30EC	Emulsificable concentration	Organophosphorus + carbamate
4.	fı	Basudin	60EC	n	Organophosphorus
5.	Ħ	Basudin	10G	Granule	11
6.	11	Baycarb	500EC	Emulsifiable concentration	Carbamate
7.	11	Brantasan	450/300EC	III	Organophosphorus + carbamate
8.	11	Curaterr	3 G	Granule	Carbamate
9.	t1	Cytroland	2G	H	Organophosphorus
10.	. 11	Diazinon	60EC	Emulsifiable concentration	n
11.	19	Dimecron	50SCW	Water soluble powder	91
12.	13	Dursban	20EC	Emulsifiable concentration	97
13.	tt	Ekalux	5G	Granule	n
14.	n	Elsan	60EC	Emulsifiable concentration	11
15.	n	Elstar	45/30EC	11	Organophosphorus t
16.	п	Emulthion	TM	?	?
17.	£1	Folithion	50EC	Emulsifiable concentration	Organophosphorus
18.	i t	Fomadol	50EC	19	67
19.	11	Furadan	3G	Granule	Carbamate
20.	11	Hopein	50EC	Emulsifiable concentration	11
21.	11	Hostathion	40EC	11	Organophosphorus
22.	11	Karphos	25EC	11	es
23.	ţI	Lebaycid	550EC	H	11
24.	11	Mibas	200/100EC	п	Organophosphorus - carbamate
25.	EI	Mipein	50WP	Wettable powder	Carbamate

Table 15-b Pesticides Prepared for BIMAS/INMAS Programme in 1977

No.		Registerd i	name	Formulation	Active ingredient
26.	Insecticide	Mipeinon	6/4G	Granule	Organophosphorus + carbamate
27.	ti	Nogos	50EC	Emulsifiable concentration	Organophosphorus
28.	fi	Padan	50SP	?	Carbamate
29.	îi	Padacin	2/3G	Granule	Carbamate
30.	H	Phosvel	300EC	Emulsifiable concentration	Organophosphorus
31.	11	Sevin	85SP	?	Carbamate
32.	tt	Sumibas	75EC	Emulsifiable concentration	Organophosphorus to carbamate
33.	ŧi	Sumithion	50EC	19	Organophosphorus
34.	n	Surecide	25EC	n	11
35.	II	Thiodan	35EC	91	Organochlorine
36.	23	Thiodan	25ULV	Oil soluble	ŧ1
37.	ti	Trithion	4E	Emulsifiable concentration	Organophosphorus
38.	Fungicide Bactericide	Antracol	70WP	Wettable powder	Sulfurous
39.	ŧτ	Daconil	75WP	11	
40.	Ħ	Dithone	M-45, 80WP	Ħ	Sulfurous
41.	n	Ridomil	35SD		
42.	Rodenticid	e Diphacin	110		
43.	Ii	Klerat	RM		
44.	tt.	Racumin	57WP		
45.	н	Tomorin			
46.	#f	Zinephosph	iđe		

Table 16 Pesticide Distribution for BIMAS/INMAS Programme in Percentage by Province in 1977

Period		1979	1979 Oct	1980	1980 Oct. •	-tent
Province	1978/1979	April-Sept.	1980 March	April-Sept.	1981 March	April-Sept
Banda Aceh	1.8	1.1	2.7	1.4	1.6	1.0
North Sumatra	6.6	5.7	6.4	7.6	6.4	
West Sumatra	1.3	3.6	64	2.6	2.5	2.4
Riau	•	•	•	•	4.0	1.0
Zambi	0.7	•	0.2	9.0	6.0	0.3
South Sumatra	2.1	2.4	9.0	4.0	3.7	1.9
Bengkulu	0.1	•	0.2	4.0	0.3	8 0
Lampung	63 63	2.8	4.4	4.0	3.7	89.
Sub-total	(15.5)	(15.6)	(20.1)	(20.0)	(18.9)	(16.4)
West Jaya	22.9	30.4	23.7	25.2	22.3	23.4
Jakarta	•	•	•	2.0	1.4	3.0
Jogvakarta	4.2		1.4	2.0	4.4	2.4
Central Java	29.6	20.5	21.7	18.1	20.8	28.8
East Java	16.1	20.9	22.8	o.	24.0	21.4
Sub-total	(72.8)	(74.9)	(69.6)	(70.2)	(6.07)	(68.3)
South Sulawesi	6.0	1.2	æ. E	2.8	2.0	6.3
North Sulawes!	0.7	4.0	0.03	0.5	0.5	9.0
Central Sulawesi	0.1	90.0	0.04	0.5	5.0	9.0
Southeast Sulawesi	•		•	9.0	۲.0	9.0
Sub-total	(6.8)	(1.66)	(3.86)	(4.1)	(3.1)	(8.1)
Kalimantan	1.4	1.1	4.0	0.4	0.5	2.7
Bali	2.8	4.5	3.0	4.2	٠; 80	හ න
Maluku	0.03	•	•		•	•
West Nusa Tenggara	7.0	2.2	3.1	1.2	က က	64 67
East Nusa Tenggara	•	0.04	•	:	1	•
Sub-total	(4.93)	(7.84)	(6.3)	(5.8)	(8.8)	(7.3)
Grand Potal	100.0	100.0	100.0	100.0	0.001	0.001

Discribution of Insceleides. Bactericides/Fungicides, and Rodenticides for BIMAS/INMAS Programme by Province in 1978-1981 マーレス つけのちに

Control	Fungicide Bactericide Rodenticide 7 89 818 - 2,275 1 13 2,246 42 1,474 11 2,705 1,336 8,935	Fungicide Bactericide	Description of the last	Insecticide	l'ungicide	Rodenticide	Total
Colorest Eungricide Rodenticide Total In	Eungleide Bacterielde Rodentielde Total In 83 818 43,203 7,275 154,648 13 2,246 30,723	Bactericide	Description Total	Insecticide	CO. C. S. C. C. C.	Rodenticide	Total
Aceh 42,296 89 818 43,203 Sumatra 152,373 - 2,275 154,648 Sumatra 28,464 13 2,246 30,723 Lu 3,117 - 1,474 16,205 Sumatra 47,333 11 2,705 50,049 Lu 3,117 1,336 8,935 67,408 Ava 533,955 368 6,328 540,651 Ava 366,610 1,023 12,073 696,944 Ava 366,610 1,023 12,074 596,974 Ava 16,491 73 1,936 65,937 Ausa Tenggara 16,472 - 25 16,497 Lusa Tenggara 16,472 - 25 16,497	89 818 43,203 - 2,275 154,648 13 2,246 30,723 	,			DACIGIACION		
Aceh 42,296 89 818 43,200 Sumatra 152,373	89 818 43,203 - 2,275 154,648 13 2,246 30,723 		141 21.055	86,722	21	221	86,964
Sumatra 152,373	2,275 154,648 13 2,246 30,723		•	•	580	1,402	205,375
umatra 28,464 13 2,246 30,723 umatra 47,333 11 2,705 30,049 sumatra 47,333 11 2,705 30,049 sumatra 47,333 11 2,705 30,049 sumatra 47,137 1,336 8,935 67,408 sumatra 57,137 1,336 8,935 67,408 sumatra 97,783 635 1,046 99,464 sumatra 97,783 635 1,046 99,464 sumatra 97,783 635 1,046 99,464 sumatra 137,369 1,173 12,073 696,944 sumatra 16,591 73 69 16,733 sumatra 16,591 73 69 16,733 sust Sulawesi 2,379 1,173 1,921 140,463 sust Sulawesi 2,379 - - - sust Sulawesi 2,379	13 2,246 30,723 	•		*	·		74 576
Lumatra 47.333 11 2.705 50,049 Lumatra 47.333 11 2.705 50,049 Lumatra 57,137 1,336 8,335 67.408 Lyava 533,955 368 6,328 540,651 Lyava 680,353 4,518 12,073 696,944 Lyava 680,353 4,518 12,073 696,944 Lyava 866,610 1,023 12,764 380,397 Lyava 16,591 73 69 16,733 Lyava 16,472 32,596 Lyava Tenggara 16,472 75 16,497	42 1,474 16,205 11 2,705 50,049 - 116 3,233	7	1,291 66,428.84	.84 74,515	•	1	· ·
Sumatra 47,333 11 2,703 50,049 Lu 3,117	42 1,474 16,205 11 2,705 50,049 1,336 8,935 67,408	•	•	•	•	•	l
Sumatra 47.333 II 2,705 50,049 Sumatra 3,117	11 2,705 50,049 11 2,705 50,049 1,336 8,935 67,408	•	•	5,745	Ť	287	6,032
Sumatra 47,333 11 2,705 50,049 Alu 3,117 1,336 8,935 67,408 Apy 57,137 1,336 8,935 67,408 Apy 533,955 368 6,528 540,651 Al Java 680,353 4,518 12,073 696,944 Al Java 366,610 1,023 12,764 380,397 Ava 366,610 1,023 12,764 380,397 Sulawesi 16,591 73 69 16,733 Al Sulawesi 2,379 32,536 Antan 27,854 4,742 32,536 Autan 27,854 4,742 32,536 Ausa Tenggara 16,472 25 16,497 Lusa Tenggara 16,472 25 16,497	11 2,705 50,049 - 116 3,233 1,336 8,935 67,408	•	787 787 781 1	11	က	7,589	125,397
3,117	1,336 8,935 67,408	•			٠	11	5,266
a 57,137 1,336 8,335 67,408 cta 533,955 368 6,328 540,651 cta 97,783 635 1,046 99,464 ava 680,353 4,518 12,073 696,944 awesi 137,369 1,173 1,921 140,463 tawesi 16,591 73 69 16,733 tawesi 2,379 69 16,733 t Sulawesi 2,379 73 69 16,733 ct Sulawesi 2,379 73 69 16,733 an 27,854 742 32,596 an Tenggara 16,472 75 16,497 a Tenggara 16,472 75 16,497	1,336 8,935 67,408	\$ 4		-	818	1,781	143,100
a 533,955 368 6,328 540,651 ta 97,783 635 1,046 99,464 fava 680,353 4,518 12,073 696,944 awesi 137,369 1,173 1,921 140,463 tawesi 16,591 73 69 16,733 tawesi 2,379 89 16,733 takesi 2,379 138 2,517 takesi 2,379 16,742 32,596 an Tenggara 16,472 25 16,497 a Tenggara 16,472 25 16,497		R97			99	5.864	764,752
a 97,783 635 1,046 99,464 (va 680,353 4,518 12,073 696,944 (west 137,369 1,173 1,921 140,463 (west 16,591 73 69 16,733 (lawest 2,379 73 69 16,733 Culawest 2,379 73 69 16,733 or 27,854 4,742 32,596 or 53,936 85 1,936 65,957 Tenggara 16,472 75 16,497	368 6,328	163	•	_	•	114	44.046
880,353 4,518 12,073 696,944 366,610 1,023 12,764 380,397 137,369 1,173 1,921 140,463 16,591 73 69 16,733 wesi	635 1,046	•			ı	* 064	700,865
366,610 1,023 12,764 380,397 137,369 1,173 1,921 140,463 16,733 16,733 2,379 2,379 2,517 27,854 85 1,936 65,957 63,936 85 1,936 65,957 65,957 25 16,497	A 810 12 073		2,109 382,151.23	.23 695,801	•		200
366,610 1,023 12,004 369,539,137,369 1,173 1,921 140,463 157,369 1,173 1,921 140,463 16,591 73 69 16,733 west	506 006 THE TOTAL	100	6,237 391,288.36	.36 730.944	224	7,028	738, 196
137,369 1,173 1,921 140,463 2 16,591 73 69 16,733 west	1,023 12,704 500,121			.91 115,492	•	6,401	121893
16.591 73 69 16,733 wesi 2,379	1,173 1,921 140,463 2				ł	16	486
2,379 - 138 2,517 27,854 - 4,742 32,596 63,936 85 1,936 65,957 581 - 14 595 A 16,472 - 25 16,497	73 69	•		4	1	20	1.442
27.854 - 4.742 32,596 63,936 85 1,936 65,957 581 - 14 595 A 15,472 - 25 16,497	138	•	2 1,118	7 7 4 5 7	1	1	
27,854 - 4,742 32,596 63,936 85 1,936 65,957 581 - 14 595 A 15,472 - 25 16,497	•	•			•		•
mantan 27,854 - 4,742 52,555 63,936 85 1,936 65,957 1ku 1ku 581 - 14 595 t Nusa Tenggara 16,472 - 25 16,497 . Nusa Tenggara		•	59 19,785	12,995	•	1,135	14,130
1ku 593 85 1,936 65,957 1ku 595 1 14 595 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,742 32,336	-			•	41	98,512
1ku - 14 595 t Nusa Tenggara 15,472 - 25 16,497 . Nusa Tenggara	85 1,936	₹ ?> 1			•	ŧ	•
usa Tenggara 16,472 - 25 16,497	14 595	•	. 900	10101	ı	307	101,319
	- 25	•	4		,	ı	•
mast Nosa Tatompara		•	790 790	-	1		I
	•	•	•	•	•	ı	1
Lombok	•	•	•	•	ı	•	•
Pusat						1	, 000 061
7,201 2,289,283 3,366 59,625 2,358,283 1,84	9,366 59,625	174	19,405 1,864,676.5	3.5 3,193,102	1,906	37,843	3, 232, 631,

Table 17-b Distribution of Insecticides, Bactericides/Fungicides, and Rodenticides for BIMAS/INMAS Programme by Province in 1978-1981

Pesticides				50								
Province	Insecticide	Fungicide Bactericide Rodenticide Total	Rodentici	ide Total	Insecticide	Fungicido Bactericide	Rodentic	Rodenticide Total	Insecticide	Fungicide Bactericide	Rodenticide	e Total
Banda Aceb	46.489	29	183	46,701	68,394	3,600	613	72,607	43,428	260	137	43,825
North Sumatra	235,913	8,500	2,158	246,571	285,415	7,291	3,464	236,170	348,157	5,204	4,938	358,299
West Sumatra	85.405	•	717	86,122	114,885	200	2,272	117,657	108,382	1,407	1,026	110,815
Riau	•	•	•	•	19,172	•	ខា	19,185	46,431	•	45	46,476
Jembi	17.214	•	692	17,906	14,623	•	448	15,071	14,094	06	452	14,636
South Sumatra	123,975	24	5,552	129,551	164,731	•	6,150	170,881	84,083	37	2,776	86,896
Benefalu	13,327	1	657	13,984	15,224	•	556	15,780	9.298	t-	113	9,418
Lamoung	106,544	1,355	1,834	109,733	164,431	3,303	3,276	171,010	78,419	1,599	3,100	83,118
West Java	802,895	15,471	3,096	821,462	1,007,071	17,415	7,084	1,031,570	1,050,071	19,502	3,017	1,072,590
Yogvakarta	62,111	2,000	395	64,506	109,694	1,000	344	111,038	74,800	2,705	26	77,602
Central Java	572,333	12,662	3,295	588,290	940,675	15,026	4,241	959,942	847,979	11,394	3,342	862,715
East Java	737.182	3,153	3,696	744,031	1,091,320	14,850	3,438	1,109,617	963,768	14,330	2,896	980,994
South Sulawest	30,602	228	422	91,249	92,926	•	1,027	93,953	278,632	678	7,649	286,959
North Sulawesi	7,152	12	188	7,352	23,396	1,224	52	24,677	25,129	772	629	26,530
Central Sulawesi	14,721	1	330	15,051	23,338	•	945	24,283	25,079		151	25,530
Southeast Sulawesi	18,250	•	2,450	20,700	5,630	1	555	6,185	26,433	•	528	26,961
Kalimantan	11,024	•	1,212	12,236	21,865	•	1,147	23,012	48,387	201	5.612	54,200
Bali	134,505	1,270	Ħ	135,786	128,274	780	٠	129,054	174,622	•	343	174,965
Maluku	•	•	•	•	•	•	•	•	•		•	•
West Nusa Tenggara	3,763	•	67	3,830	22,351	5,795	1,336	29,482	23,947	1,031	601	25,579
East Nusa Tenggara	•	ŧ	•	•	•	•	•	•	•		•	•
Lombok	34,227	•	71	34,298	118,007	9,113	3,384	130,504	74,877	2,293	442	77,612
Pusat	55,732	•	8,360	64,092	51,244	313	13,797	65,354	117,032	360	19,250	136,642
Total	3,173,364	44,701	35,386	3,253,451	4,482,666	80,219	54,147	4,617,032	4,463,048	61,870	57,444 4	4,582,362

Posticide Distribution by Registered/Brand Names in 1979-1981 Table 18-a

Remissered name	lame	1979 April - Sept.	1979 April - Sept. 1979 Oct 1980 March	1980 April - Sept.	1980 Oct 1981 March	main with took	
			047 046	158 803	127,800	174,479	741,172
Agrothion 50EC	SOEC	101,648	7276017	230 050	165,494	241,716	745,518
Azodrin 1	15WSC	•	107,625		141, 122	164,266	315,388
Basazinon 4	45/30EC	•	•	• '	304.519	271,905	576,424
Basudin 6	2809	•	• ;	1 4		•	1,093
	100	996.56	26	3 1	177.808	136,175	313,981
Ş	450/300EC	•	•	•	243	24,137	24,382
	ပ္က	•	•	. 1	531.681	386,784	918,465
Diazinon 6	2309	•				•	2,732,055
	60EC/Basudin 60EC	677,881	1,142,510	#00'IIA	080 64	66.792	142,185
D(mecron :	SOSCW	707	283	121.1	341.301	442,548	1,615,188
Dursban 7	20EC	364,943	259,306	060*207	32,289	11,938	44,207
Ekalux	သိ	•			148 205	167,233	831,249
Elsan (60EC	113,426	214,693	757 + 1 27	688.581	133,613	166,308
Elstar 4	45/30EC	1	•	, 1	117.143	89,648	206,788
Emulthion 7	¥	•	• ;	1 0 e	60,104	41,916	133,826
Polithion :	SOEC	31,228	04	800	25,686	10,125	59,223
Fomadol	SOEC		2,816	000,000	90.100	122,276	341,250
Puradan ;	ಜ	5,199.08	38,193	304,00 646,00 646,00	130,396	162,889	576,774
Hopein	30EC	•	74 CO	7 1	25,791	20,675	46,466
Hostathion 40EC	40EC	•	•	•	275,632	420,642	824,554
Lebaycid	220EC	128,280	•	; !	33.407	71,601	105,008
	200/100EC	1	2	. 1	144.184	112,408	256,592
Mipein	SOWP	•	•	. 1	18,912	22,506	41,418
Mipcinon	6/4G	•	8 4	11 044	89,973	21,129	343,543
Nogos	2080	84,091	116,406	******	0	O	161
	SOSP	101	75	2 I	4.141	10,918	15,059
Dadagin	2/3G	•	•	ı			3

Posticide Distribution by Registered/Brand Names in 1979-1981 Table 18-b

Registered name	пате	1979 April - Sopt.	1979 Oct 1980 March	1980 April - Sopt.	1980 Oct 1981 March	1981 April - Sept.	Total
Phosve!	30080	9,185	635	17,910	21,648	1,480	\$0,858
	8558	245,053	405,018	317,329	489,225	468,800	1,925,425
ş	75EC	•	104,613	169,074	200,539	211,863	581,580
Ę	2020	29,997	72,494	133,444	118,559	123,700	478,194
	2580	102	383	223	•	10	718
	35EC	51,243	85,633	145,743	146,694	116,109	545,422
	25ULV	•	•	•	•	41	
	48	•	90,883	119,103	116,074	168,115	494,175
Sub-total		1,844,497.84	3,193,102	3,173,364	4,480,166	4,463,048	
000000	70WP	234	287	43,727	21,110	320	65,678
	75WP	165		H	33,698	14,280	48,144
	M-45	375	1,619	964	22,577	35,325	60,860
Sub-total		774	1,906	44,692	77,38\$	49,925	
Cicedela	110	2,102	5,197	1,406	3,590	655	12,950
=	2 2			•	8,674	27,485	36,159
שישושים	47WP	4,419	13,541	17,358	22,214	18,286	75,818
		186	1,618	224	\$6	658	3,576
Zincphosphido	op;	11,903	17,487	16,398	15,479	10,360	71,627
Sub-total		19,405	37,843	35,386	\$0,052	57,444	
Cyrrolene 2G	20	•	•	•	43,556	9,744	53,300
lacking !	3550		,	•	2,834	2,201	5,035

Table 19 Resistant Rice Variety Against Rice Insect Pests

	В	vn Plant iotype		White back	Green rice leafhopper	Rice borers	Gall midge
<u>Variety</u>	1_	2	3	planthopper		S	S
PB5	\$	S	S	S	S		
PB8	S	S	S	S	S	8	S
₽В20	S	S	S	S	S	S	8
Pelita	S	S	S	S	S	S	8
Si Ampat (C4) S	S	S	S	S	MR	S
PB26	R	S	R	S	MR	R	\$
PB28	R	s	R	S	MR	R	S
1R29	R	s	R	S	MR	R	S
2830	R	S	R	S	MR	R	S
PB32	R	R	S	S	MR	R	8
PB34	R	S	R	S	MR	R	S
PB36	R	R	S	s	8*	R	8*
PB38	R	R	s	s	S*	MR	S*
1R40							
IR42	R	R	S		R		
Brantas	R	S	R	S	S		8
Serayu	R	S	R				
Citarum	R	s	MR	MR	MR		S
Asahan	R	S	MR	s	S		\$
Ayung	R	MR	R	S	\$	S	
Cisadane	R	MR	R	S	S		
Cimandiri	R	MR			R	S	8
Semeru	R	MR	l		R	8	8

R = resistant

S = susceptible

MR= moderately resistant

MS= moderately susceptible

Table 20 Resistant Rice Variety Against Rice Diseases

		Rice Viru	s Disease				
Variety	Grassy staut	Ragged staut	Tuorna	Bacterial	014	Cercospora	
PB5	S	S	Tungro S	leaf blight S	Blast	leaf spot	blight
PB8	S	S	s S		MS		MS
PB28		o.	S MR	S			MR -
Pelita	s	s		MD			S
	3	ъ	S	MR			
Si Ampat (C4)	***		MR	MS	MR		MR
PB26	MS	8	R	S			
PB28	R	S	R	R/S			
IR29	_						
PB30	R	S	R	MS			
PB32	MR	S	MR	MR			
PB34	R	S				S	S
PB36	R	S		MS	MR		MS
PB38	R	S	MR	MR	MS		MS
IR40	M	S	R	-	R		M*
IR42	R	S	R	R	R	M*	S
IR50							
IR52							
IR54							
Brantas		MR			S	S	
Serayu	R		MR	S		R	
Citarum	MS	MS		MS	S	MR	
Asahan	R	MR	MR	S	MR	R	
Ayung	S	S	R	R	s		S
Cisadane	s	S		R	S		S
Cimandiri	R			R	S		S
Semeru	MR	S		R	S	s	S

R = resistant

S = susceptible

MR= moderately resistant

MS= moderately susceptible

M*= Intermediate

Table 21 Advancement of BIMAS/INMAS Programme Areas in 1000 ha in Indonesia

Year	BIMAS	INMAS	Sub-total (A)	Total paddy acreage (B)	Rate (A/B)
1970	1,235	849	2,084	8,140	26%
1971	1,419	1,467	2,886	8,320	35
1972	1,243	2,020	3,263	7,980	41
1973	1,889	2,220	4,110	8,380	49
1974	2,996	1,094	4,090	8,510	48
1975	3,086	1,161	4,247	8,500	50
1976	2,974	1,500	4,474	8,370	53
1977	2,493	2,718	5,211	8,360	62

Table 22 Rice Production in Indonesia

Total Cultivated Acreage (x 1,000 ha)

1980 9,000 (128)		3,187		28,680 (231)
8,804 (125)		2,985 (169)		26,283
8,812 (125)		2,921 (166)		25,739 (208)
8,360 (119)		2,794 (158)		23,356 (188)
1976 8,369 (119)		2,784 (158)		23,301 (188)
1 <u>975</u> 8,765 (125)		2,575		22,570 (182)
8,537 (121)		2,632		22,473 (181)
1969-71 8,158 (116)		2,346	,,000 MT)	19,136 (154)
1961-65 7,036 (100)	<u>Yield</u> (Kg/ha)	1,762	Total Yield (x 1,000 MT)	12,396

Source: FAO Production Yearbook 1976; 1978; 1980

Gross Domestic Product at Constant 1973 Market Prices in 1000 Million Rupiahs by Industrial Origin Table 23

		7 281	•		•		
1		0.811.2	36.8	3,134.8	33.1	3,438.5	31.4
:	Agriculture, Livestock, Forestry & rishery	2.4504.7	(66.6)	(1,835,8)	(19.4)	(2,093.7)	(19.1)
	1.1 Farm Food Crops	(0 010)	(4.1)	(388.2)	(4.1)	(429.2)	(3.9)
	1.2 Farm Non Food Crops	((2.4)	(209.5)	(2.2)	(230.0)	(2.1)
	1.3 Estate Crops	(2007)	(2,7)	(184.2)	(1.9)	(211.3)	(1.9)
		(273.8)	(3.6)	(351.6)	(3.7)	(292.1)	(2.2)
		(143.5)	(1.8)	(165.5)	(1.8)	(182.2)	(1.1)
	Arguery 2.1	828.1	10.9	1,048.8	11.1	1,034.6	9.5
ei.	2. Mining and Quatrying	0.748	11.1	1,176.5	12.4	1,568.9	14.3
e,	Manufacturing Industries		! ! !		•	0.44	0.7
Ą	Flectricity, Gas and Water Supply	41.2	0.5	56.9	0.0	3	,
		364.8	4.8	528.9	5.6	628.5	5.4
Š	Construction	1 203 8	17.0	1,530.3	16.1	1,789.6	16.3
9	Wholesale and Retail Trade				•	5.65	8.4
	Transport	302.7	0	1 · Oh#	•		
	selfelberment and octoberment	101.6	1.3	164.6	1.7	205.0	e:i
		198.4	2.6	287.6	3.0	331.6	3.0
co.	Ownership of Dwalling	F 484	4.7	767.9	8.1	972.5	8
10.	Public Administration and Defense			296.9	3.1	311.3	8
11	Sarvices	0.172		0 0	00.	10,953,9	100.0
12.	Greek Demestic Product	7,630.8	100.0	2 . 2 0 7 . 3	?		

Table 24 Farm and Estate Agricultures in Indonesia in 1973

		Farm Agriculture			Estates	
	Number	Area (Ha)	Average size (Ha)	Number	Area (Ha)	Av. Size (Ha)
JAVA	8,664,446	5,505,215	0.64	773	677,562	876,54
SUMATRA	2,847,068	3,802,749	1.31	594	1,314,367	2,212.74
KALIMANTAN	689,195	1,868,144	2.71	88	59,255	697.12
SULAWESI	1,101,187	1,523,485	1.38	236	128,007	542.42
OTHERS	1,071,646	1,468,588	1.37	113	46,454	411.10
TOTAL	14,373,542	14,168,181	66.0	1,801	2,225,645	1,235.78

Source: 1973 Agricultural Census, Agriculture: Vol.1

Table 25 Population Censuses in 1971 and 1980

			Average Growth
	September 24	October 31	per year
Province	1971	1980	1971 - 1980
Aceh	2,008,595	2,611,271	2.93
North Sumara	6,621,831	8,360,894	2.60
West Sumatra	2,793,196	3,406,816	2.71
Riau	1,641,545	2,168,535	3.11
Jambi	1,006,084	1,445,994	4.07
South Sumatra	3,440,573	4,629,801	3.32
Bengkulu	519,316	768,064	4.39
Lampung	2,777,008	4,624,785	5.17
SUMATRA	20,808,148	28,016,169	3.32
Jekarta	4,579,393	6,503,449	3.39
vest Java	21,623,529	27,453,525	2.66
Central Java	21,877,135	25,372,889	1.64
JAYA	76,086,327	91,269,528	2.02
Bali	1,782,529	2,469,930	1.69
West Nusa Tenggara	1,807,830	2,724,664	2.36
Esst Nisa Terggara	1,967,297	2,737,166	1.95
East Timor	-	555,350	-
NUSA TENGGARA	5,557,656	8,487,110	2.01*
West Kalimantan	2,019,935	2,486,068	2.31
Central Kalimantan	701,935	954,353	3.43
South Kalimantan	1,699,105	2,064,649	2.16
East Kalimanten	733,797	1,218,016	5.73
KALIMANTAN	5,154,774	6,723,086	2.96
North Sulawesi	1,718,543	2,115,384	2.31
Central Sulawesi	913,662	1,289,635	3.86
South Sulawesi	5,180,576	6,062,212	1.74
South East Sulawesi	714,120	942,302	3.09
SULAWESI	8,526,901	10,409,533	2.22
Maluku	1,089,565	1,411,66	2.88
Irian Jaya	923,440	1,173,875	2.67
Maluku & Irian Jaya	2,013,005	2,584,881	2.79
Indonesia	119,208,229	147,490,298	2.32*

Note: • excluding East Tinior

Source: Biro Pusat Statistik, Sensus Pendoduk 1930

Table 26 Areas, Population and Paddy Production by Island in Indonesia

					POPULATION	TION			PADDY PRODUCTION	DDUCTION
	Area Km²	* ≾	Number	1971	No./KM2	1980 Number	8	No./KM2	1979 ton	1980 ton
Jakarta	590	0.03	4,579,303	3.84	7,762	6,503,449	4.41	11,023	47,096	62,126
West Java	46,300	2.41	21,623,529	18.14	467	27,453,525	18.61	593	5,860,613	6,594,511
Central Java	34,206	1.78	21,877,136	18.35	640	25,372,889	17.20	742	4,305,991	5,178,386
Yocvakarta	3,169	0.17	2,489,360	2.09	786	2,750,813	1.87	868	383,426	473,543
East Java	47,922	2.50	25,516,999	21.41	532	29,188,852	19.79	609	5,385,308	6,111,937
JAVA	132,187	6.89	76,086,327	633.83	576	91,269,528	61.88	068	15,982,434	18,420,506
SUMATRA	473,606	24,67	20,808,148	17.46	44	28,016,160	19.00	89	5,395,728	5,678,670
KALIMANTAN	539,460	28.11	5,154,774	4.32	10	6,723,086	4.56	12	1,484,465	1,627,799
SULAWESI	189,216	9.85	8,526,901	7.15	45	10,409,533	7.05	\$\$	2,135,152	2,285,766
NUSA TENGGARA	88,488	4.61	6,619,074	3.33	75	8,487,110	5.76	96	1,330,949	1,611,374
maluku & 1. Jaya	496,486	25.87	2,013,005	1.69	4	2,584,881	1.75	ĸ	21,528	27,790
INDONESIA	1,919,443	100.00	119,208,229	100.00	69	147,490,298	100.00	ĿĿ	26, 350, 256	29,651,905

Source: Biro Pusat Statistik

Table 27 Production of Main Food Crops in 1979 in Indonesia

		4>47							١
	Anna Hanyastod Production	Production	Yield/ha	Area Harvested	Production	Yield/ha	Arca Harvested	Production	ז ופוס/ עו
	שונה יוצו הפוע		X X	391	050 0	28.43	7,653	24,265	
	4.467 (58%)	15,206 (63/8)	ナン・ナつ	201.2					
و		(10 0 0)	**	. >0	1.177	12.38	1,240	1,614	
•	980 (23%)	437 (29%)	4.4	400				1	
Day Cane Sied			**	446	350	11.49	3,028	3,855	
	2, 126 (70%)	2.819 (73%)	13.26	700	222				
			•	7 6 6	V 40 A	60	1.383	12,961	
	(X00) 000 F	9.471 (73%)	34	すべつ) h f h	•			
						ě	203	2,235	
;	130 (4504)	1,007 (45%)	e~	191	1,228	9	202	2	
Week Polatons	1207 404				1	4	717	171	
	(1000)	084 (74%)	8.07	O O	22	2	• · · · · · · · · · · · · · · · · · · ·	* * * * * * * * * * * * * * * * * * * *	
	10.011 010	27.7	•		•	•	272	665	
	(3000) 007	406 (78%)	41.8	, 4.	116	68.	0.00	3	
	「父」 こべ おねず	20-100		,					

dry unhusked rice
 Source: Statistical Pocket book of Indonesia 1978/1979

Table 28 Number and Area of Farmers by Size of Holding in Indonesia in 1973

	JAVA		Outer JAVA		NESIA	
Size of Holding	Number of Farms	.ms %	Number of Farms	rms %	Number of Farms	arms %
< 0.2	1,832,100	21.1	451,303	6.7	2,283,403	15.9
0.2 - 0.5	3,142,721	36.3	1,134,634	19.9	4,277,355	29.8
0.5 - 1.0	2,150,847	24.8	1,403,450	24.6	3,554,297	24.7
1.0 - 2.0	1,128,752	13.0	1,468,885	25.7	2,597,637	18.1
2.0 - 5.0	369.821	4.3	983,662	17.2	1,353,483	9.4
2.0 - 5.0	369,821	4.3	983,662	17.2	1,353,483	9-4
+ 0.0	40,205	0.5	267,163	4.7	307,368	2.1
Total	8,664,446	100.0	5,709,096	100.0	14,373,543	100.0

Source: 1973 Agricultural Census, Agriculture: Vol.1

Table 29 Area Harvested and Paddy Production in Indonesia in 1980

frounction Area Harvested Yield/ha (Fw) 1,406,457 11,318 16,111 1,040,520 7,065 14,99 15,00 100,988 40,881 15,00 15,00 100,306 15,00 100,306 15,00 100,306 15,00 100,306 15,00 100,306 15,00 100,307 15,00 15,00 100,307 15,00 15,		M	Wet Land Rice		jg	Dry Land Rice		Wet	Land + D	Wet Land - Dry Land Rice
(hm) (km) (kW) (Ton) (hm) (kW) (Ton) (Ton) (hm) (hm) (hm) (hm) (hm) (hm) (hm) (hm	k			Production	Area Harvested	Yield/ha	Production	Area Harvested	Yield/ha	Production (Ton)
TATA STATE TO STATE T		(ha)	(κ м)	(Ton)	(ha)	(KW)	(uo.1.)	(na)	/ww)	,
208,422 31.16 466,457 11,857 14-49 221,246 25.75 11.68 1.600,520 7.058 11.857 11.657 11.657 11.657 11.657 11.657 11.657 11.68					4	97	440	990.280	30.26	666.538
## 291, 202 31.58 1,400,477 17,518 13.00 ## 221, 204 20.03 10.058 40,881 13.00 ## 131,680 20.03 10.058 40,881 11.06 ## 131,680 20.03 10.05,223 10.177 11.06 ## 131,049 20.03 10.029 10.177 108.136 ## 131,049 20.03 10.029 10.177 108.136 ## 131,049 20.03 10.029 10.1394 13.302 14.97 ## 1,743,937 42.77 6,411,939 14.97 11.06 ## 1,000,613 30.29 6,000,523 448,673 10.04 ## 1,000,613 30.29 6,000,524 121,691 10.04 ## 1,000,613 30.29 6,000,524 121,692 10.04 ## 1,000,613 30.29 6,000,524 10.04 ## 1,000,613 30.29 6,000,524 10.04 ## 1,000,613 30.29 6,000,524 10.04 ## 1,000,613 30.29 10.00 ## 1,000,613 30.29 10.00 ## 1,000,613 30.20 ## 1,000,613 30.20 ## 1,0		208,423	31.16	549.464	~ C D C T T) ·	000	8.0 64	28.36	1.595.456
## 221,246 25,73 1,040,280 40,881 13.04 13.14		445,323	37.28	1,406,407	845 / TT	10		2000	35.24	1,051,110
13,176 23,15 190,988 19,177 13,00 15,00		291,246	35.73	1,040,520	7,065	D . 4	> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	440.000	10.00	244.133
131,680 27.97 308,221 18,197 11.06 48,178 29,44 29,43 103,237 108,336 10,97 48,178 29,44 29,43 103,237 108,336 10,97 48,178 29,43 29,43 103,23 103,83 10,97 1,004 31,23 50,03,523 448,673 10,97 1,296,298 39,39 5,105,702 42,347 10,10 1,296,298 39,39 5,105,702 29,751 10,10 1,296,298 39,39 18,025,097 24,347 10,10 1,296,298 39,20 41,01 120,207 24,347 10,28 1,296,298 30,23 10,20 11,42 1,296,298 30,23 10,30 11,42 1,296,298 31,20 10,249 10,249 10,249 1,296,298 31,10 10,249 10,249 1,296,298 31,10 10,249 12,10 1,296,298 31,10 10,249 12,10 1,296,298 31,10 10,249 12,10 1,296,298 31,10 10,249 12,10 1,296,298 31,10 10,249 12,10 1,296,298 31,10 10,249 12,10 1,296,298 31,10 10,249 12,10 1,296,298 31,10 10,249 12,10 1,296,298 31,10 10,249 12,10 1,296,298 31,10 30,25 31,10 31,20 1,296,298 31,10 30,25 31,10 31,20 1,296,298 31,10 30,25 31,10 30,20 1,296,298 31,10 31,25 31,10 31,10 1,296,298 31,10 31,25 31,10 31,10 1,296,298 31,10 31,25 31,10 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,25 31,10 1,296,298 31,10 31,10 1,296,298 31,10 31,10 1		81.770	23.36	190,988	40,881	13.00	00 T 100	4004994		189, 491
TAN		131.680	27.97	368,281	19,177	11.06	21,210	- no	***	27. 48D
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		742.944	29.03	705,217	108,396	15.44	167,363	357,340	7 6	10000
151,049 151,		72.178	29.43	141.772	22,330	13.97	31,195	70,508	70.	200 4904 2004
1,600,613 31.27 5,003,522 448,675 15.00 1,743,937 38,77 5,711,939 14.97 1,743,937 38,77 43.99 5,105,702 43,347 15.20 1,388,544 43.99 6,020,284 60,313 15.20 1,388,544 43.99 6,020,284 60,313 15.20 1,388,543 43.99 6,020,284 60,313 15.20 1,388,243 22.23 643,471 20,788 13.48 199,624 43.23 14.01 717,187 6,542 13.28 199,624 43.23 13.02 1481,778 109,885 11.26 11,388 34 22.20 144,755 116,300 11.42 11,388 34 22.54 698,793 29,113 13.18 14,151 22.50 1,161 24,100 12.24 1,86 19.57 21.46,764 109,779 12.26 1,86 19.57 21.46,764 109,779 12.26 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,109 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,779 12.66 1,86 19.57 21.46,764 109,299 1,80 22.50 21.46,764 21.86,791 31.40,036 1,80 22.50 21.46,764 21.30 2,824,046 25.78 21.46,764 21.30 2,824,046 25.78 21.46,764 21.30 2,824,046 25.78 21.46,764 21.30 2,824,046 25.78 21.46,791 312,491 2,824,046 25.78 21.46,791 312,491 2,824,046 25.78 21.46,791 312,491 2,824,046 25.78 21.491 312,491 2,824,046 25.78 21.491 21.491,049 2,824,046 25.78 21.491,049 2,824,046 25.78 21.491,049 2,824,046 25.78 21.491,049 2,824,046 25.78 21.491,048 2,824,046 25.78 21.491,048 2,824,046 25.78 21.491,048 2,824,046 25.78 21.491,048 2,824,046 25.78		040	33.29	502,824	121,651	٠	183,571	272,700	25.17	760
1,205,325 1,743,337 1,743,337 1,743,337 1,256,238 1,358,344 1,358,544 1,358,	•	*****************	24.50	5.005.523	448.675	0	673,147	2,049,288	27.71	5,678,670
va 1.743,937 25.92 61.394 489 14.97 17.43,937 15.83 15.83 15.83 17.43,937 15.83 15.83 15.83 15.83 17.43,937 15.83 15.83 17.83,94 45.347 17.18 17.49 17	71								;	
va 1,743,917 36,77 6,411,939 115,302 15.83 Java 1,296,298 39.39 5,105,702 42,347 17.16 Arta 1,296,298 42.79 5,105,702 42,347 17.16 Ava 1,296,298 42.79 6,020,244 60,313 15.20 Estenggara 1,368,504 42.97 32.20 18,025,097 248,202 15.93 Estenggara 1,368,504 32.23 177,187 6,542 13.28 Alavasi 1,288,382 22.08 142,709 82,555 11.26 Alavasi 1,288,381 22.20 144,755 116,300 11.42 Alavasi 1,288,382 22.94 636,723 29,113 13.18 Alavasi 1,288 1,295,109 30.25 1,166,709 12.27 Alavasi 1,288 1,285,109 30.25 2,544 1,161 24,130 12.66 Alavasi 1,288 1,285 10.57 22.50 1,181,019 13.54 Alavasi 1,286 19.57 2.146,764 12.66 Alavasi 1,286 19.57 2.146,764 12.16,799 12.66 Alavasi 1,288 19.57 2.146,764 13.54 Alavasi 1,288 19.57 2.146,764 13.54 Alavasi 1,286 19		0,0	99 99	396	489	•	732	21,008	29.57	62,126
Ligava Ligava		ATC 107	4 6	****	200 311	•	182.575	1,859,239	35.47	6,594,511
1,296,296 23,39 242,806 29,751 16.04 2,96,729 242,806 29,751 16.04 2,86,504 42.32 6,020,254 60,313 15.20 2,46,504 42.32 18,025,097 248,202 15.23 1,46,900 41.01 717,187 6,542 13.28 1,80,624 42.3 12.09 12.09 12.67 1,100 42,32 12.09 12.09 12.67 1,100 42,32 12.09 12.09 12.67 1,100 42,32 12.09 12.67 1,100 41,175 10,248 13.38 1,100 41,175 10,249 12.24 1,100 41,151 12.52 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 41,151 12.65 1,100 1,286 1,109 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100 1,100		743,937	2000	000 Here	10000	•	72.684	1,338,645	38.68	5,178,386
yakarta yak		296, 298	3.50	207,001,0	7 E C		47, 735	129,430	36.59	473,543
Cava 1,368,504 43.99 6,020,254 6,01,13 15.93 VA & MADURA 1,368,504 41.01 717,187 6,542 13.28 t Nusatenggara 174,900 41.01 717,187 6,542 13.28 t Nusatenggara 199,624 32.23 643,471 20,788 13.46 t Nusatenggara 48,243 25.10 121,090 82,555 11.26 t Nusatenggara 422,767 35.05 1,481,748 10,885 11.26 t Kalimantan 187,842 22.08 414,755 116,300 11.42 tral Sulawesi 187,842 25.94 66,723 29,113 13.18 th Sulawesi 55,771 33.22 185,771 10,249 12.37 th Sulawesi 15,482 22.54 16,60,035 24,664 13.24 th Sulawesi 16,482 31.16 1,60,035 24,664 13.24 th Sulawesi 16,483 11,60,035 21,46,764 10,177 12.66		99,679	42.72	425,808	40.00		200	428.817	42.78	6,111,937
VA & MADURA 4,528,937 39.80 18,025,097 248,202 13.28 I VA & MADURA 174,900 41.01 717,187 6,542 13.28 I Nusatenggara 199,624 22.20 41.01 717,187 82,555 11.26 I Nusatenggara 48,243 25.10 121,090 82,555 11.26 I Lick NUSATENCGARA 422,767 35.05 1,481,748 109,885 11.26 I Kalimantan 187,842 25.08 144,755 116,300 11.42 I Kalimantan 26,321 20.93 76,020 29,113 13.18 I Kalimantan 26,321 20.93 76,020 29,113 13.18 I Kalimantan 26,321 20.93 76,020 29,113 13.94 I Kalimantan 26,321 20.93 76,020 24,060 12.37 I Mawesi 170,248 24.14 24.14 14.50 14.50 I Awesi 16,020 26,066 27.34 14.50 12.85 <td></td> <td>368,504</td> <td>43.99</td> <td>6,020,254</td> <td>60,313</td> <td>75.50</td> <td>200.100</td> <td>000000000000000000000000000000000000000</td> <td>39.56</td> <td>18,420,506</td>		368,504	43.99	6,020,254	60,313	75.50	200.100	000000000000000000000000000000000000000	39.56	18,420,506
t Nusatenggara 174,900 41.01 717,187 6,542 13.28 1 Nusatenggara 199,624 32.20 52.10 121,090 82,555 11.26 1 Nusatenggara 189,624 32.20 32.20 121,090 82,555 11.26 1 Chimor* 1 1 21,090 22,76 35.05 1,481,748 109,885 11.80 1 Chimor* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MADURA	528,937	39.80	18,025,097	248, 202	٠.	200, 403	2071	22.22	
Nusatonggara 174,900 41.01 717,187 643,471 20,788 13,46 Nusatonggara 199,624 32.23 643,471 20,788 13,46 Nusatonggara 49,243 25.30 11,481,748 11,26 LI & NUSATENGCARA 422,767 35.05 1,481,748 109,885 11,26 LI & NUSATENGCARA 422,767 35.05 14,4755 116,300 11,42 LI & NUSATENGCARA 422,767 22,08 44,755 116,300 11,42 LI & NUSATENGCARA 422,767 42,790 50,123 12,67 Laimantan 28,381 20,39 76,020 45,064 13,18 Laimantan 28,381 23,25 1,330,288 240,600 12,27 Laimantan 26,321 20,35 24,14 1,760 24,064 13,20 Laimantan 26,321 23,25 1,330,288 21,620 12,67 Laimantan 26,321 22,50 2,146,764 108,779 12,67 Laimantan 23,295,109 30,25 24,878 24,878 24,878 Laimantan 26,481 26,481 26,481 24,878 Laimantan 26,481 26,481 26,481 Laimantan 26,481 26,481 26,481 Laimantan 26,481 26,481 26,481 Laimantan 26,481 Laima	1				•	•	900	181 422	40.01	725.875
t Nusatenggara 199,624 32.23 643,471 20,788 15.50 11.26 11.00 82,555 11.26 11.00 82,555 11.26 11.00 82,555 11.26 11.00 82,555 11.26 11.00 82,555 11.26 11.00 82,555 11.00 82 1		174,900	41.01		മ	07.01	2000	720.412	30.46	671,452
48,243 25.10 121,030 82,555 11.20 187,842 22.08 144,755 116,300 11.42 72,116 19.80 142,730 29,123 12.67 72,116 19.80 142,730 29,113 13.18 26,321 20.93 76,020 45,064 13.94 564,861 23.55 1,330,288 240,600 12.24 70,248 24.14 1,350,288 240,600 12.24 70,248 24.14 1,760,035 28,654 13.20 1,286 31.16 1,760,035 28,654 13.20 1,286 30.45 2.146,764 108,779 12.61 2,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05		199,624	32.23		· ·	04·21	1000	000 C	16.36	214.047
187,842 22.08 414,755 116,300 11.42 72,116 19.80 414,755 116,300 11.42 72,116 19.80 414,755 116,300 11.42 268,321 20.93 76,020 29,113 12.67 36,321 20.93 76,020 245,064 13.94 36,321 20.93 1,330,288 240,600 12.37 564,861 23.55 1,330,288 240,600 12.37 70,248 24.14 1,760,035 28,654 12.27 14,151 22.52 1,164,764 108,779 12.6 1,286 30.45 2,146,764 108,779 12.6 1,286 19.57 2,517 24,878 12.6 1,802 20.41 2,517 24,878 2,69 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05		48,243	25.10		2	11.20	100,420		1	•
1.87,842 35.05 1.481,748 109,885 11.82 187,842 22.08 414,755 116,300 11.42 72,116 19.80 142,730 50,123 12.67 268,582 25.94 696,723 29,113 13.18 36,321 20.93 76,020 45,064 13.94 564,861 23.55 1,330,288 240,600 12.37 564,861 23.55 1,750,038 240,600 12.37 70,248 24.14 1,760,035 28,654 13.20 14,151 22.52 31,868 21,62 12.61 1,26,764 108,779 12.78 12.65 1,26,764 108,779 12.66 12.66 1,26 20.44 2,487 12.66 1,26 2,146,764 108,779 12.66 1,26 2,130 30.25 3,578 27,993,088 1,181,019 14.05 2,824,046 35.78 27,993,088 1,181,019 30.29		•	•			• ;	1 66	410 649	30.25	1.611.374
187,842 22.08 414,755 116,300 11.42 72,116 19.80 142,790 50,123 12.67 268,582 25.94 696,723 29,113 13.18 36,321 20.93 76,020 45,064 13.94 564,861 23.55 1,330,288 240,600 12.37 70,248 24.14 1,760,035 24,656 12.24 70,248 31.16 1,760,035 28,654 13.20 14,151 22.52 31,868 21,62 12.61 1,266 22.52 1,161 24,130 9.60 1,286 19.57 2,146,764 108,779 12.66 1,286 19.57 2,517 24,878 9.60 1,286 19.57 2,517 24,878 9.60 3,295,109 30.25 9,967,991 932,817 13.54 7,824,048 35.78 27,993,088 1,181,019 14.05	SATENCOARA	422,767	35.05	ΞÌ	109,885	11,80	0701677	2001200		
187,842 22.08 414,755 110,500 11.67 25,123 12.67 26,321 25.94 696,723 29,123 13.18 264,861 20.93 76,728 29,113 13.18 13.94 25,771 33.22 185,271 10,249 14.50 12.24 24.18 1.760,035 28,654 13.20 12.24 14.151 22.55 13.20 14.151 22.55 13.20 12.65 14.151 22.56 13.20 14.151 22.55 13.20 12.65 13.20 14.151 22.55 13.20 12.65 13.20 14.151 22.55 13.20 12.65 13.20 14.50 15.65 13.20 15.65 15.50 15.65 15.50 15.65 15.50 15.65 15.50 15.65 15.50 15.65 15.50 15.65 15.50 15.65 15.50 15.65 15.50 15.65 15.50 15.65 15.50			1				120 815	304.142	18.00	547,570
72,116 19.80 142,730 29,113 12.18 268,582 25.94 696,723 29,113 13.18 36,321 20.93 76,020 420,600 13.94 76,020 48,256 12.37 70,248 24.14 1,760,035 28,654 13.20 14,151 22.52 31,868 21,620 12.61 1,286 30.45 2,146,764 108,779 12.65 1,286 19.57 2,146,764 108,779 12.65 1,802 20.41 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05		187,842	22.08	414,755	116,300	9 t t t t	404	122, 239	16.88	206,296
268,582 25.94 696,723 23,113 12,10 36,321 20.93 76,020 45,064 13.94 36,321 20.93 1,330,288 240,600 12.37 70,248 24.14 1,760,035 28,654 13.20 14,80 30.45 2,146,764 108,779 12.61 1,286 30.45 2,146,764 108,779 12.61 1,80 20.41 2,51 24,130 9.80 1,80 20.41 30.25 9,967,991 932,817 13.54 2,824,046 35.78 27,993,088 1,181,019 14.05		72,116	19.80	142,790	27.00	0.01	2000	297, 695	24.69	735,094
36,321 20.93 76,020 45,064 15.34 564,861 23.55 1,330,288 240,600 12.37 70,248 24.14 169,579 48,256 12.24 70,248 31.16 1,760,035 28,654 13.20 14,151 22.52 31,868 21,620 12.61 705,066 30.45 2,146,764 108,779 12.61 1,286 19.57 2,146,764 108,779 12.65 1,286 19.57 2,517 24,878 12.66 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05		268,582	25.94	696,723	711677	01.01	4 6 6 4	285	17.06	138,839
564,861 23.55 1,330,288 240,600 12.31 55,771 33.22 185,271 10,249 14.50 70,248 24.14 1,760,035 28,654 13.24 36,896 31.16 1,760,035 28,654 13.20 14,151 22.52 2,146,764 108,779 12.61 705,066 30.45 2,146,764 108,779 12.61 1,286 19.57 2,517 24,130 9.60 1,802 20.41 30.25 9,967,991 932,817 13.54 2,824,046 35.78 27,993,088 1,181,019 14.05		36, 321	20.93	76,020	45,064	o t	7 T T T T T T T T T T T T T T T T T T T	205 463	20.21	1.627,799
55,771 33.22 185,271 10,249 14.50 70,248 24.14 1.69,579 48,256 12.24 564,896 31.16 1,760,035 28,654 13.20 14,151 22.52 31,868 21,620 12.61 1,286 19.57 2,146,764 108,779 12.61 1,286 19.57 2,517 748 12.66 1,802 20.41 3,678 24,878 3.69 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05		564,861	23.55	1,330,288	240,600	12.31	7761,87			
55,771 33.22 185,271 10,249 14.30 70,248 24.14 1.69,579 48,256 12.24 564,896 31.16 1.760,035 28,654 13.20 14,151 22.52 2.146,764 108,779 12.61 1,286 19.57 2,517 24,130 9.60 1,161 24,130 9.60 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05	•				•			66 000	30.31	200,132
70,248 24.14 169,579 48,256 12.24 564,896 31.16 1,760,035 28,654 13.20 14,151 22.52 2,1868 21,620 12.61 705,066 30.45 2,146,764 108,779 12.61 1,286 19.57 2,517 748 12.66 1,802 20.41 3,678 24,878 3.69 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05) SOM #	55,771	33.22	185,271	10,249	24.90	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000	19.29	228,644
564,896 31.16 1,760,035 28,654 13.20 14,151 22.52 31,868 21,620 12.61 705,066 30.45 2,146,764 108,779 12.78 1,286 19.57 2,517 24,130 9.60 1,802 20.41 3,577 3,678 24,878 3,69 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05		70,248	24.14	169,579	48, 256	47.21	200	402 400		1.797.859
14,151 22.52 31,868 21,620 12.61 705,066 30.45 2,146,764 108,779 12.78 1,286 19.57 2,517 748 12.66 1,802 20.41 3,578 3,678 24,878 3,69 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05	ł	564,896	31.16	1,760,035	28,634	77.7	340.00	144 44	6.5	59.131
516 30.45 2,146,764 108,779 12.78 516 22.50 1,161 24,130 9.60 1,286 19.57 2,517 748 12.66 1,802 20.41 3,678 24,878 3.69 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05	a turne i	14,151	22.52	31,868	21,620	12.61	2024.22	4.000	000	2,285,766
516 22.50 1,161 24,130 9.80 1,286 19.57 2,517 748 12.66 1,802 20.41 3.678 24,878 3.69 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05	150 Land	705,066	30.45	2,146,764	108,779	12.78	138,012	201010		
516 22.50 1,161 24,130 3.50 1,286 19.57 2,517 748 12.66 1,802 20.41 3,678 24,878 3.62 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05					•	6	20 166	24. 646	28.6	24,326
1,286 19.57 2,517 748 12.50 1,802 20.41 3.678 3.67.991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05		516	22.50	1,161	24,130	200	20162	20.03	17.03	3,464
1,802 20.41 3,678 24,678 3.63 3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05		1,286	19.57	2,517	20 E	00171	646 96	26,680	10.42	27,790
3,295,109 30.25 9,967,991 932,817 13.54 7,824,046 35.78 27,993,088 1,181,019 14.05	& IRIAN JAYA	1,802	20.41	3,678	9/8/47	20:5	744 627			
7,824,046 35,78 27,993,088 1,181,019 14.05		007 300	30.25	9.967,991	932,817	13.54	1,263,408	4, 227, 926	26.56	11.231,399
7,824,046 35.78 27,993,088 1,181,019 14.03		904.064				;		800 0	20.03	29,651,905
		824,046	35.78	27,993,088	1,181,019	14.05	1,658,817	9,009,009	26.30	201200164

Data not available.
 Note: Net Harvested Area, dry unhusked rice production: 100kg source: Dire Pusat Statistik

Summary of Building Coverages of Constructing Facilities and Estimated Man Power and Water Supply by Proposed Structures Table 30

	Food Crop Protection Center	Forecasting Laboratory	Pest Observatory Unit	Pesticide Laboratory
1. Administeration	301.5 m ²	130 m2	27 m ²	110 m ²
2. Meeting Room	274.5	86		09
3. Office/Experimental Room	258.0	180	75	246
4. Library	72.0	ı	ı	
5. Rest Room	0.44	26	ı	23
6. Residence	740.0	270	52	470
Sub-Total	1,856.5	762	130	606
7. Staff Number		07	w.	60
8. Water Supply/Day 9. Maximum Water Supply/hr	20.08 ton 2,156.00 ton	996.00 ton	168.00 ton	1.078.00 ton

Table 31-a List of Equipments Proposed

	Number	Sum (Yen)	Remarks
		*	
	•	00 040 000	Shimazu VGU-Z
Binomilar stereo-microscope	172	000,047,67	
Ottobalon steneo-200m-microscope	40	8,000,000	
	ec in	15,680,000	
Biological Dinocular microscope) (d	26,736,000	Olympus AHB-LB
Universal microscope) r	1.660.000	Eiko Seiki
Reflect microscope	٠,	0004000	Olympus
Microscope lighting apparatus	37 (000 000 0	*
Camera (35mm)	32	000,000,*	Sonv
	g-d	466,000	200
לוספס אפר	œ	000,006	
Slide projector	• σ	405,000	
Day-light screen) (c	3 822,000	Casio
Electronic calculator	000 000		Fuji Xerox 485
Telecopier	00 T	, ,	PC-3200 S
Personal computer	 : ·		Ricopy DTS700R
Cook machine set	4		
	ဗ	5,400,000	
Inter-phone sec	, ex	900,006	
Telephone) er	300,000	
Typewriter	•	6,000,000	
Voltage stabilizer	7 1 m	1,950,000	Ikeda Rika
Fish toxicity test chamber	₹ •	4 610,000	Shimazu
Momentum measuring apparatus	-t (3 744 000	Kokusan Enshinki H-103N
Centrifuge set	۰ (Hitachi RX-208
Refrigerator	27 (>> C C C C C C C C C C C C C C C C C C	Hitachi RL-338SS
Deep Freezer	٠ و٠٠	000	
Auto cube-ice machine	ሪ ቸ (000,4	
Ventilation fan	၁•	0000	
Auto sterilizer	t c	1.470,000	
Incubator	~ (1 863 000	
Constant temperature oven	7.7	2,023,000	
	~ (61 600,000	Kiya IT-4
Constant temperature innoculator	00 f N	000.00	Kett SP-1
Grain motsture meter	- 1 α	360,000	Kiya
Rice yield analyzer	0		
•			

Table 31-b List of Equipments Proposed

	Number	Sum (Yen)	Remarks
	120111111	\\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.	
Disconing toto meesiming sociations	59	17,400,000	Fujimoto Kagaku
Miniature thresher	29		
Seedling case set	280	2,380,000	Kiya
High speed automatic cutter	4	800,000	
Vaceum dever	ო	1,350,000	
Vaccum pump	က	378,000	PD-100
Rotery vaccum evaporator	. ശ	900,006	Tokyo Rikakikai N-I
Top loading balance (capacity 5kg)	· 产	60,000	
Electric precision balance	· (7)	1,980,000	
	ယ	3,180,000	
Analytical electric precision balance	က	2,550,000	
	ဖ	8,340,000	
Electrophoresis apparatus	4	825	Cosmo
Ultra-violect light detection lamp	63	116,000	Irie Manufactory
High performance liquid	~~	9,759,000	Shimazu LC-3A
Chromatography set			
, , , , , , ; ; ; ; ; ; ; ; ; ; ; ; ; ;	က	25,497,000	Shimazu LC-3A
• • •	•	C C C C C C C C C C C C C C C C C C C	
Packed column set	ti f€ i	0,440	
Gaschromatography set	r-i	15,720,000	Shimazu
	m	ず	Shimazu
Packed column set	⊀*	1,280,000	
Thin layer chromatography set	ო	1,236,000	Mitamura Rikenko
Recording data processor	က	3,000,000	Shimazu
Recording Spectrophotometer	ന	9,186,000	
Oscilljoscope	- -⊀	540,000	Yokogawa Denki
Flash point measuring apparatus	63	500,000	
Accelerated storage measuring apparatus	ო	495,000	Yamato Kagaku
Bulk/tap density measuring apparatus	ન	62,000	<u>&</u>
Flowability measuring apparatus	r	20,000	
Particle size measuring apparatus	~	28,000	* *
Dispersibility measuring apparatus	; g=4	200,000	± ±
Hardness test apparatus	। इन	262,000	± =
Then on the soft	ıen	300,000	± ±
Visoosimeter	, co	1.287,000	Toshiba System VS
D-E 130000	· (*)		Toa Denpa HM-20E
)); ;			

Table 31-c List of Equipments Proposed

	Number	Sum (Yen)	Remarks
	c	***	
thy drometer sec	•	741,000	DOGO KIKBBRKU
Automatic potential difference	છ	3,315,000	Kyoto Denshi Kogyo
titrator			
Soxlet extractor	30	600,000	
Concentration apparatus	57	1,245,000	Sogo Rikagaku
Distilling apparatus	က	300,000) = ==================================
High purity auto-still	4	4,420,000	Yamato Kogaku PF-12
Hydrogen leak detector	せ	2,000,000	Daika Kogvo
Instrument shelter	20	3,200,000	
Thermograph	20	560,000	
Hygrograph	20	620,000	
Recording wind vane & anemograph	20	1,200,000	
Raingauge	20	-	
Solarimeter	20	•	
Ultrasonic pipet washer	ເວ	1,690,000	Yamato Kazaku AW-31
Ultrasonic cleaner	,,,,		Toyo Kagaku UC-6100
Oven dryer	თ	1,152,000	Yamato Kagaku DG-41
Desiceator	290	1,218,000	Mini Desiccator
Automatic mortar	~~	333,000	Nitto Kagaku
Standard sieve set	ო	243,000	
	*1	117,000	Nitto Kagaku
Electric siever	4	560,000	Nitto Kagaku ANF-30
Rotary spore-trap	40	5,600,000	Hokuriku Noshi Type
Light trap	40	27,600,000	Auto daily catcher
Micro-syringe	89	6,490,000	Kiya Seisakujo
Mass-rearing cabinet	290	5,742,000	Sanshine Kogyo
Laboratory dish (Schale)	7,800	2,340,000	}
Sample jar	18,500	1,850,000	
Killing jar	780	702,000	
Hurricane lamb	1,960	1.372,000	
Tweezer	780	1,092,000	
Magnifier lense	1,055	2,637,500	
Hand numbering apparatus	1,055	2,110,000	
Insect net	3,720	2,046,000	
Insect sweeping net set	912	2,470,500	
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Table 31-d List of Equipments Proposed

	Number	Sum (Yen)	Remarks
		######################################	والمسترية والمست
	Ç	75.000	
	, લ	9	
Daboratory timer	•		
Laboratory clock	53r T	000,000	
Tester	ന	024,000	
Tool At	ന	000,00	
Grinder	63	_	
AT 10 10 10 10 10 10 10 10 10 10 10 10 10	e-l	630,000	Yamato Kagaku SA-51
	i ex	_	Irie Shokai 2G-4
£	→ e3	960.0	∆ V-DN
) -	30,000	
Ges cylinder carrier	4 W	000	
Cas cylinder stand	ာ લ	780°000	Yamato Kagaku FM-5
Nutilia in nace	•		
Hot plate	1	300,000	אווארט האאמאע נוזא וו אויא איז א
Mantle heater	e.	000,202	#O07L/2781
F -	ഗ	201,000	" "AA-290
Water Bath	ന	360,000	ato Ka
	· භ	279,000	•
# 0 # 0 # 0 # 0 # 0 # 0 # 0 # 0 # 0 # 0	· 67	267,000	" " LR-41
	• en	267_000	÷
	.	123,000	19-HW " "
- !		000	
Touch-mixer	· (CY	000,50	,
Juicer-mixer	ത	225,000	ational MA-1505
Handy aspirator	ന	165,000	Yamato Kagaku WP-11
Gas burner	r	13,000	
Compressor	F -1	000,00	
Glass cutter set		•	
Safty mask	150	ó	
Saftly of asses	30	0	
Safty glove	08	150,000	
Fire extinguisher (bowder)	।	~	
Eye-washer	м	33,000	
Class wares	₹ (က်	
Experimental supplies	32	,000,	
**************************************	والمالية في المالية المالية والمالية وا	FO & C. P. P. T. B. T. & B. B. B. S.	

Table 31-e List of Equipments Proposed

	Number	Sum (Yen)	Remarks
Soluvents Standard chemical reagents	4 4	600,000	
Draft chamber	თო	9,000,000	ato
יייי ייייייייייייייייייייייייייייייייי	ကက	60,000 150,000	Daika Kogyo
Cooking set Laboratory waste incinerator	, 0, 1	23,000,000	Metho Sha
Toxic gas incinerator	10 1	30,000,000 6,270,000	Sanei Seisakujo " "
Air conditioner	138	41,400,000	
Insect speciment cabinet Portable insect specimen box	195 645	58,500,000 1,612,500	Shiga-Konchu No.485-I Shiga-Konchu No.441
Mist -bl ower	1,000	70,000,000	Maruyama Seisakujo
Jeep Pick-up Jeep Moter-cycle	47 7 382	117,500,000 17,500,000 72,198,000	G1-100 (Honda)
grand total		9 76,071,000	
			وروزين والنازي

Table 32-a Area Harvested and Production of Paddy Rice of 9 Provinces in 1980

	Area Harvested (ha)	Yield/ha (ton)	Production (ton)
West Java	1,859,239	3.547	6,594,514
Central Java	1,338,645	3.868	5,178,386
East Java	1,428,817	4.278	6,111,937
3 Provinces:	4,626,701	3.866	17,884,837
Aceh	220,280	3.026	666,538
North Sumatra	562,641	2.836	1,595,456
South Sumatra	351,340	2.484	872,580
Lampung	272,700	2.517	686,395
South Kalimantan	297,695	2.469	735,094
South Sulawesi	593,550	3.029	1,797,859
6 Provinces:	2,298,206	2.763	6,348,922
Total:	6 <u>,924,907</u>	3.499	24,233,759

Source: Biro Pusat Statistik

Table 32-b

Estimated Area Harvested and Production of Paddy
Rice of 9 Provinces for the Project life span
(under "without Project" condition)

	3 Ja	va Provi	ece s	6 Oater	Java Pr	orinces	тот	r a L
Year	Area Harrested	Yield	Production	Area Harvested	Yield	Production	Area Harvested	Production
	×10⁵ha	lon	×10 ⁶ ton	×iGha	lon	×10 ⁸ ton	×10° ha	×10° Lon
1983	4.63	4.30	1 9.9 1	244	2.95	720	7.07	27.11
8 4	•	4.40	20.37	2.49	3.0	7.47	7.1 2	27.84
8 5	•	4.50	20.84	2.5 4	3.05	7.75	7.17	2859
86	•	4.60	21.30	2.59	3.1	8.03	7.22	29.33
8 7	•	4.70	21.76	2.65	3.15	8.35	7.28	30.11
88	,	4.80	22.22	2.70	3.2	8.64	7.33	3086
8 9	3	4.90	22.69	2.76	3.25	8.97	7.39	3166
90	(')	5.0	23.15	2.82	3.3	931	7.45	3246
9 1	•	5.04	23.34	2.88	3.38	9.7 3	7.51	33.07
9 2	' '	5.08	2352	2.94	3.46	10.17	7.5 7	33.69
93	•	5.12	23.71	3.00	3.54	10.62	7.63	34.33
9 4	•	5.16	2389	3.06	3.62	1108	7.69	3497
9 5	f	5.20	24.08	3.13	3.70	11.58	7.76	35.66
96	•	5.24	2426	3.19	3.78	1 20 6	7.82	36.32
9 7	,	5.28	2445	326	3.86	1258	7.89	37.03
98	,	5.32	24.63	3.33	3.92	1 3.05	7.96	37.68
9 9		5.36	24.82	3.40	4.04	13.74	803	3856
2000	,	5.40	25.00	3.47	4.1	1423	8.10	3923
0 1	•	5.4 4	25.19	3.54	4.19	1483	817	4002
02	•	5.48	2537	3.62	428	1549	8.25	40.86
03	,	5.52	2556	3.69	4.37	16.13	832	4169
04	, ,	5.56	2574	3.77	4.46	1681	8.40	4255
0.5		5.60	25.93	3.85	4.55	17.52	8.48	43.45
06	,	5.64	26.11	3.93	464	1824	8.56	44.35
07	•	5.68	2630	4.01	4.73	1897	8.64	4527
08	•	5.72	2648	4.10	4.82	19.76	8.7 3	46.24
0 9	,	5.76	26.67	4.18	4.91	2052	8.81	47.19
10	•	5.80	2685	4.27	5.0	21.35	890	4820
1 1	,	5.82	2695	4.36	5.05	2202	8.99	4897
12	,	5.84	27.04	4.45	5.1	2270	9.08	49.74
13		5.86	27.13	4.55	5.15	23.43	9.18	50.56
14	,	5.88	2722	4.64	5.2	2413	927	51.35
15		5.90	2732	4.74	5.25	2489	937	5221
16	,	5.92	2741	4.84	5.3	25.65	9.47	53.06
17	•	5.94	2750	4.94	5.35	26.13	9.57	53.93
18	,	5.96	27.59	5.04	5.4	2723	967	5482
19	,	5.98	27.69	5.15		27.81	9.78	5550
20		6.0	27.78	5.26		2840	9.89	56.18
2 1	•	•	,	5.37	,	29.00	10.00	56.78
22	,	,	,	5.48	,	2959	10.11	57.37
23	,		•	5.60	•	3024	1023	5802
2 4		•		5.71		3083	1034	58.61
25	,	•	•	5.83	,	3148	1046	5926
26		•		5.96	(•	3218	1059	5996
27			,	6.08		3283	1071	60.61
28		,	,	6.21		33.53	10.84	6131
29				6.34		3424	10.97	6202
3 0	,	,		6.47		3194	11.10	6272
3 i	ł .		! •	661		35.69	11.24	63.47
3 2	,		•	6.75		36.44		
	<u> </u>		<u> </u>	1	<u> </u>	30.44	11.38	64.22

	Paddy Rice Production WITH Project (x10 ⁵ ton)	Paddy Rice Production WITHOUT Project (x10 ⁶ ton)	Incremental Production	Price of Paddy Rice	Value of Incremental Production
	-		(x10 ⁶ ton)	(US\$/ton)	(x10° US\$)
1983	27.11	27.11	0	208	0
84	27.84	27.84	0	-	Ö
85	28.59	28.59	0	•	0
86	29.33	29.33	0	•	0
- 87 - 88	30.11	30.11	00		0
89	30.90 31.70	30.86	0.04		8.32
90	32.50	31.66			-
91	33.11	32.46 33.07	-	•	
92	33.73	33.69	-	-	-
93	34.37	34.33	-	_	_
94	35.01	34.97	· •	-	-
95	35.70	35.66		-	-
96	36.37	36.32	0.05	_	30.40
97	37.08	37.03	0.03	-	10.40
98	37.92	37.68	0.24		49.92
99	38.80	38.56	0.24	=	93.32
2000	39.48	39.23	0.25	•	52.00
01	40.27	40.02	U.23		32.00 #
02	41.12	40.86	0.26	-	54.08
03	41.95	41.69	•	*	*
04	42.82	42.55	0.27	•	56.16
05	43.72	43.45	•	•	•
06	44.63	44.35	0.28	-	58.24
07	45.55	45.27	-	-	-
08	46.53	46.24	0.29	•	60.32
09	47.48	47.19	•	-	-
10	48.50	48.20	0.30	-	62.40
11	49.28	48.97	0.31	•	64.48
12	50.05	49.74			
13	51.19	50.56	0.63	-	131.04
14	51.99	51.35	0.64	-	133.12
15	52.86	52.21	0.65	-	135.20
16	53.72	53.06	0.66	_	137.28
17	54.60	53.93	0.67	-	139.36
18	55.51	54.82	0.69	-	143.52
19	56.19	55.50	0.70	-	145.60
20	56.88	56.18			147.68
21	57.49	56.78	0.71 0.72	•	149.76
22	58.09	57.37	0.73	•	151.84
23	58.75	58.02	V.13	•	131.04
24	59.34	58.61 59.26	0.74	•	153.92
25	60.00	59.26 59.96	0.75	-	156.00
26	60.71	60.61	0.76	-	158.08
27	61.37 62.08	61.31	0.77	•	160.16
28 29	62.80	62.02	0.78	-	162.24
	63.50	62.72	•	•	**
30 31	64.26	63.47	0.79	-	164.32
31 32	65.02	64.22	0.80	-	166.40
32	93.02	07.22			

* Reduction of Rate of Pest Damage

1. 1st - 5th year: 01

2. 6th - 15th : 0.18
3. 16th - 30th : 0.58

4. 31st - 50th " : 1.0t

Table 34 Estimated Project Cost

Unit: 103 US\$

	Foreign Currency	Local Currency	Total
Building & Facility	9,205	17,413	26,618
Equipment	3,075	0	3,075
Spareparts	1,230	0	1,230
Vehicle	829	0	829
Training	0	120	120
Land Acquisition	0	5,700	5,700
O/M Cost	0	2,684	2,684
Consulting Service	1,792	0	1,792
Physical Contingency	2,419	3,888	6,307
Total	18,550	29,805	48,355

Table 35 Calculatuib of Economic Internal Rate of Return

(1000 US\$)

			{	1000 US\$)
V ·	Investment	Оам		
Year	Cost	Cost	Benefits	Cash Flow
1983	736	0	0	736
84	488	ŏ	Ŏ	488
85	20,669	ŏ	0	
86	13,867	ō	Ŏ	20,669 13,867
87	12,596	Ŏ	Ğ	12,596
88	0	225	8,320	8,095
89	0	•	•	
90	0	-	•	-
91	0	•	-	-
92 93	0 0	•	-	_
94	0	-		-
95	Ö		•	-
96	ŏ	•	10,499	10,175
97	Ō	•	10,100	10,175
98	0	b	49,920	49,695
99 2000	0	-	•	•
01	0 0	- N	52,000	51,775
02	Ö	•	54,080	53,855
03	0		•	•
04	0	•	56 <u>,</u> 160	\$5,935
05 06	0 0		CO 910	E 0 015
07	ŏ	b	58,240	58,015
03	0	•	60,320	60,095
09	0			3
10	0	=	62,400	62,175
1 1 1 2	0 0	- =	64,430	64,255
13			131,040	130,815
14	Ō	=	133,120	132,895
15	Ö	•	135,200	134,975
16	O O	•	137,280	137,05\$
17	0	•	139,360	139,13\$
18	G	-	143,520	143,295
19	0	-	445.500	146 325
20	0	_	145,600	145,375 147,455
21	0 0		147,680 149,760	149,535
22	0	-	151,840	151,615
23 24	0	=	2017010	====
25	Ŏ	-	153,920	153,695
26	ŏ	•	156,000	155,775
27	Ō	•	158,080	157,855
28	Ō	=	160,160	159,935
29	0	•	162,240	167,015
30	Q	=	40.450	
31	0	-	164,320	164,095 166,175
32	0	•	166,400	103,113
 -	EIRR = 2			

Economic Price of Thai Milled Rice Table 36

1982 Market Price1/	US\$/mt	464.00
Quality Adjustment	%	80.00
Adjusted Price	US\$/mt	371.20
Shipping and Handling	US\$/mt	20.00
CIF Jakarta	US\$/mt	391.20
Equivalent in Rupiah	Rp	254.280.00
Domestic Transport/ Handling to Hill	Rp	15,000.00
Processing Ratio	Z	55.00
Processing Charge	Rр	-15,000.00
Transport/Handling to Farm Gate	Rp	-3,000.00
Farm Gate Economic Price	Rp	133,104.00

1/ : Thai 5% Broken Rice, FOB Bangkok

Source: IBRD's "Price Prospects for Major Primary Commodities", Jan. 1980

ALLOCATION	TABLE FOR	LOCAL/FOREIGN	
CURRENCY OF	BUILDING	AND FACILITY CO	STS

Building and Pacility (General)	1
Pond Cran Protection Control	
Doottaida I d	2
	13
Forecasting Laboratory	24
Pest Observatory Unit	32
	-

General

Foreign Curre	ncy	Building Facility		Ι		test		
er Unit Price	Cost Re-	Name	Cost	tions tee	Unit	Unit	Ι	P.e.
Price Unit Price 314, 55, 49, 3,	Cost Re-			ţeı	Uni	Local C Unit Price	Cost 172,836,650 55,110,220 79,155,430 12,751,490 359,852,530	Remarks

Food Crop Protection Center

		Foreign C	urrency			Beilding Fac≌ty				Local C	h ieuch	
um ber	IJnit	Unit Price	Cost	P.E. marks		Nove	Сся	Num- ber	Unit	Unit Price	Cost	P.e. marks
					51	Compon Temporary York	5,959,600				5,559,000	2.51
		•	57,799,900		52	building Vock	170,722,380		1		112.922.680	
		}	18,459,000	1	53	Stectrical Installation Work	23,594,000		1		5,105,000	
	1		33,035,000		54	Plumbing Equipment Vork	46,055,000		1]	5,970,000	
				1	\$5	Eandling Expenses	42,880,000	•		1	42,833,000	
			114,373,900			GLASO TOTAL	287,210,389				172,836,480	
					52	Beilding Vork						
	Ì	1	33,530,690	,].	Bein Beilding	97,176,100				57,635,500	
			1,937,000	,	11	Storage	4,138,000	·	1		2,231,000	1
		1	637,333	,	111	Generator Station	1,331,9%	·		1	785,690	1
			389,550	•	11.	facinerator Station	901,930	ď			514,490	1
		1	2,359,500	,	•	Staff Bouse (VIP)	11,957,185	·	İ		9,557,690	`
			9,630,00	9	71	Staff Bosse	43,156,000	·		1	38,525,690	ı
	1		3,3%,00	9	FIL	Croy Protection Brigele	7,009,30	'l		1	3,703,30	'
			57,797,93	9		TOTAL	170,722,38	`\			112,922,450	,
					1	Kain Beilding	į					
		1	1		1	Temporary Fork	2,600,00	0 1	se		2,600,000	•
			ł	1	2	Earth Vork	1,450,60	0 1	se	۱ ا	3,450,000	,
1	se	:	\$,560,00	ω .	,	Foundation	11,200,00	ol ı	se	١ ا	6,650,00	3
			17,300,00	9	١,	Steel Vork	34,600,00	0 1	se.	t	17,339,00	ا ه
			\$,490,00	ρ	5	Acto-claved light-weight Concrete Vork	6,320,00	۱ ا	se	۱ ا	\$.849,00	o
		1	Ì	ļ	- 6		13,600,00		ļ		13,000,00	1
				1	,	1		1		1	7,000,00	
		1	262,8	- 1	°		395,44	- 1	se	`	133,60	
			432,30	ı	,		1,703,00	Į.	-	L	3,270,70 950,00	1
		İ	4,250,00	²⁰	10	1	5,200,60 650,00		ı	-	450,00	ŀ
					"		520,0	- 1	1	İ	150,60	
		ì	420,0 625,5		12	1	1,476,7	I.	.,	.	451,X	1
l			5,100,0		1	_	7,830,0	1			2,700,00	
		1	2,100,0				3,000,0	- 1	1		900,00	
			39,530,6			TOTAL .	97,176,1	L			57,615,50	20
						Ì						
ı	-							1	- 1	Ì		I

Foreign Currency					Building Facility			Local Currency					
ber ber	Unit	Unit Price	Cost	Re- marks		Name	Cost	Nym ber	Uniq	Unit Price	Cost	Pa- marks	
					1	Temporary Vork			set		2,600,000		
						TOTAL					2,600,600		
	•		i		2	Earth Work				Ì	_		
						TOTAL		1	set		3,450,600		
											1,450,600		
)	Foundation (Reinforced Concrete Voit)							
						Agregate		1	set		2,339,660		
130	١.	18,000	5,349,009			Ceneat		1					
		1			Į	Labor Cost		359	•,	1,539	525,033		
		} }				Lebor Cest	-	860	•2	2,530	2,150,059		
37	l t	69,000	2,220,000			Zelpforcement		1	1			ļ	
	1					Eabor Cost		37	t	\$5,000	1,655,000		
	l		4,550,000			TOTAL		İ		\	6,640,000		
					١,	Steel Vock				 			
173	,	130,000	17,339,690	l		Katerial		İ				1	
					ĺ	takor Cost		173	1	00,000	17,300,000		
						TOTAL					17,309,609	1	
					5	Auto-clave# light-weight Concrete Work							
1393	-2	3,233	4,459,000		1	Material		•			Ì		
						Labor Cest		1,60	,	1,600	2,249,000		
			4,450,000	· [.		TOTAL					2,249,000		
					6	Yood York						1	
	ł				İ	Structoral Finishing Carpentry		18	•	75,600	5,859,000	,	
				1	1	Labor Cost		800	le:	a 8,500	6,800,000	,	
				İ	1	Falls	1] :	set	:	350,000	,	
						TOTAL			Ì		13,000,000	, -	
				ĺ	١.	1	1		Į		Į.		
					'	_		1,07	, .	.]	7,600,50		
		İ	İ		İ	do .	1	1.07	Ή.		1	ı	
						TOTAL		-		ĺ	7,600,50	۱'	
					8	Tile Vork			1				
14		4,000	56,000	<u>ا</u>		Bestie file (flor)		11	. -	\$.00x	28,00	ə 📗	
3.5	-	4,700	206,93	·		do (vell)	1	- [4:	· -	2,49	165,60	9	
		1	262,83	,		1011/1					133,50	»	
				1			ĺ					1	
1	-			i			1	ļ	Į	-			

		Foreign Č	urithey			Building Facility				Local Cor	rency	
Ny n- ber	Unit	Unit Price	Cost	Re- marks		Name	Cost	North Ber	Unit	Unit Price	Cost	Re- marks
24		18,009	632,300 432,300		9	Plastering Work Labor Cost TOTAL	i	3,310	_2	970	1,270,700 3,279,799	
1	set		3,922,000 350,000		10	Aluminum Sash & Windows Aluminum Sash Labor Cost Ecasy-weight Rolling Shutter Light-weight Rolling		1	set		830,000	
			\$,250,000			Shotter Labor Cest TOTAL		1	•2		150,039 950,000	
					11	Voodea Fixtures Door Labor Cost TOTAL		23		2,500 2,500	\$92,500 \$2,500 \$40,600	
ı	szl		1,851,000 1,851,000	ł	12	Glaring Vock Glaring Vock TOTAL		1	set		659,000 650,000	Į.
1.33	s3 ■ ²	450	625,50	0	13	Painting Vork Steek Part Oil Paint Vooden Part Oil Faint Accylic Resin		17. 442. 3,39	• =	12,600 350 353	\$19,000 \$54,700 486,500	
			625,50	٥	11	TOTAL					851,200	
'	se	t	5,100,00 5,100,00	1		Interfer Finish Bork	į	1	sel		2,700,000	1
1	se	£	2,100,00	1	35	Miscellaneous Vork Niscellaneous Vork TOTAL	i i	1	56(900,00 900,00	
						-						

APPENDIX - B

Foreign Currency					Building Facility			Local Currency					
Nystr ber	Unit	Unit Price	Cost	Re- marks		Name	Cost	Num- ter	Unit	Unit Price	Cost	Re- rarks	
					EE	Storage 10 m x 8 m		ŀ					
					,	Temporary Work	69,000				42,000		
					2	Earth Vork	102,033	1			102,000		
4					3	Foundation	310,033			1			
17.85	e l	18,000	135,000			Cezest					1		
2.3	٠	60,000	138,000			Relaforcement		Ì		li	i		
						Others		ı	set		427,000		
					4	Steel Work	1,555,000		İ				
7.85	٠	:00,000	156,000			Materials					l		
	1					Labor Cost				li	ĺ		
İ		1			5	Roofing & Steel Netal Vork	342,900	1	set		342,000		
		1	340,000	ΜC	6	Plasteries Vort	525,030	1			185,000		
	1			l	,	Plastering	78,000						
1.28	c c	18,030	23,000	1	Į	Centat		1	1				
1	1					Aggregate Labor Cost		57	n.2		55,000		
		1 1		Ì	8	Aluminium Sash	300,600		1	1 1			
יו	set		250,000		l	Sash							
l	ļ			l		Labor Cost					60,000		
				1	,	Frieling Fork	100,000	·			100,000		
			95,000	1	10	laterior fielsh Vork	145,000	ᅦ			50,000		
i	ļ		90,000	ˈ ĺ	11	Miscellaneous Vorks	130,300	·	1		49,690		
			1,507,000			TOTAL	4,138,000	ď			2,231,000		
					111	Generator Station				ļ			
			ļ	1	1	6 = * 5 =	1	ļ					
1	1	1	1		١,	Temperary Vork	30,00	١,	5.0	.	30,660		
				1	,	Earth Vort	33,00		-		33,600		
	i		i	1	,	Foundation	243,60		ļ		33,000		
3.5	١,	18,000	£1,8X		^	Cesest			}				
0.6	1	1	ļ.			Relaforcement							
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	֓֟֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	83.03] "	1		Gibers	1	ı			144,600		
1	1				١,	Steel Vork	650,00	٥]		
2.5	. .	20,020	243,00	,	'	Kateriels		Į	Ī			ļ	
] [.,	Ί,	77,030	``````			Labor Cost		١,	١,	160,00	262,033		
					١,		108,00	- 1	1		165,630	1	
1.	ĺ	.	114,00	JA G			169,00					l	
'	se	`	114,00	` ^"	` `						54,000	٤٤٤	
		1								İ		Cos	
1			1		١,	PlasterSag	26,5	»]		l			
-			9,10	0		Cemat				. 1		1	
1	-	ĺ	1	1	1	Labor Cost	1	18	_ - ²	\$70	17,400	· I	

APPENDIX - B

		Foreign C	without			8-jūding Facility				Local C	Urrency	
Num-	Un't	Unit Price	Cost	Re- marks		Name	Cost	Nym b€r	Urit	Unit Price	Cost	Re- arks
1	set		76,800		8	Aluminium Sash Labor Cost	95,000				19,200	
1	sec		27,000		9	Glazing Vork	36,000					
						tabor Cost			1	ļ	9,000	l
		1			10	Painting Work (Coating)	54,000	1		Į.	54,000	1
			33,030	İ	n	Interfec Finish Work	45,000		1]	18,600	1
		l	36,000		12	Miscellaneous Work	54,000		Ì	1	18,000	ļ
			637,300			POTAL	1,351,900	Ì			744,600	
			358,500		1.	Incicerator Station	903,900				514,490	
					•	Staff Kouse (FIP) P Buildings	1	Ì				ł
				1	1	Temporary Fork	\$30,000	1			530,000	
				ł	2	Foundation Work	1		1	1	1	ļ
5	.	18,000	108,000	, [Cement		1	1	1	1 1	
9.3		60,00	45,000	·		Leizforcezent		1				
		1		-		Ottess	Ì				511,680	
			156,000	,		S(3-TVIAL			Ì		511,655	
		1			١,	Vood Vark	5,633,600	.[5,633,000	
İ					Ι,	Roofing Vork	552,000	i		Ì	952,000	
		ı	1	Ì	5	Tile Vork	1					
23	, ا	1,00	112,60	,		Yaterials	İ		1	1		
				Ì		Labor Cost		١,	sel		59,500	
			112,00	o		SES-TOTAL	111,50	,			59,500	
					6	Plasterieg]				1	
it.	13 6	15,92	201,30	اه	ı	Cezeat	1		ı		.	
l						Lebor Cost		1	ļ	1	553,000	
			201,30	o		SUB-TUTAL	293,00	٥			591,700	
					١,	Alusisius Sash	1,369,00	0				
		1	1,115,8	s)		\$153	1				1	
Ì						Labor Cost		l	1.6	۱ ا	244,800	
			7,115,8	»		STOT-ETE	1,359,60	ρ			211,850	
					,	Vooden Fintures) N. Q	00			379,000	
		-	93,0	»	١,	Glaning Work	120,0	ю	ļ	1	w,cc	Labo
		j	1	1	10	Patating Vork (Coating)	₹50,0	20			250,000	
		1	585,0	oo	ո	laterior Haleh Vork	933,0	∞	-		315,000	1
1	1		0,021	∞	112	Miscellaneous Vork	₹30.0	20			60,000	
	ļ		2,359,5	20	j	TOTAL	11,957,1	ы 	-	İ	9,557,680	

APPENDIX - B

		Foreign Co	urrency			Building Facility				Local Cur	ntocy	
N:m ber	Unit	Unit Price	Cost	Pp. marks		None	Cost	Num Eer	Unit	Unit Price	Cost	Re- marks
		1			ท	Staff House						
					1	12 Bulldings Temporary Work	2 432 600				_	
1	set		444,000		2	Foundation Work	2,172,000 2,529,660		set =		1,111,000	
		ŀ			,	Vood Work	22,2(8,490			ļ	2,076,000	
		-			۱ ،	Zooffog & Steel Metal Work	3,744,000			ľ	22,318,499	
2	-		452,000		5	Tile Vock	769,839		_		3,744,000	
ı	-		831,600		6	Plastering	3,276,690		_	1	233,800	
1	-		4,512,000		,	Aleminium Sash	5,502,000	i	١.		5,441,650	
					8	Voocen Finteres	1,591,200	l			1,591,299	l
1	-		350,490		,	Claring Work	470,450	l			120,000	
	1			1	10	Fainting Work	\$50,400	1	_		959,499	
1	-		2,400,000] 11 ·	isterior fisish \$7.72	3,700,800	1			1,399,893	
					12	Miscellaneous Work	929,000	l	١.		279,030	
			9,630,600		_	TOTAL	_	}				
			3,030,030	Ì		IOIRE	45,156,000			1	33,576,600	
			-			Staff Boose 12 Boildings						
				l	۱.	Temporary Vork]	١,	Set		2,172,693	١
				١.	,	Forzástica Vork		`	326		2,172,033	
15.4	١.	18,000	235,200		ì	Cerest		1				
2.43	١,	60,003	145,800	,		leinforcezent	ļ					
	İ			1	ļ	Labor Cost		2.4		45,099	111,629	
		ļ			1	Molding Box		275	١,	1,900		
	1		1		ļ	Plastering Work	ļ	3.0	1:	193	_	1
	1				1	Geber Leber Cost		1	522	ĺ	1,037,600	1
									"			
			ett,000]		SC3-TOTAL	2,529,600				2,076,000	
	1		l		3	Wood Work	1					İ
					l	Structeral Finishing Carpeatry		150.C	å ",		12,665,600	ļ
					1	Labor Cost		2.17	5		9,359,630	•
		1				Fails		1	set	i i	217,830	·
						SCE-TOTAL			Ì		22,713,452	
					١,	Booffing & Steel Netal Work						
		1			1	ts.	-	57\$	•'	6,500	3,744,000	1
						SEE-ESE					3,744,030	
					5	Tale Vack						
ı	set		452,00	٥		Baterfals	1			1	1	
					ĺ	Labor Cost		ı	set		238,833	۱,
			452,00			SCE-TOTAL					238,800	,
			•,,,,,,	Ĭ	1	J-4-10402	l		1	ļ	1	

APPENDIX - B

		Foreign Č	niterch			Building Facility				Local C	urrency	
Nurt- ter	Uniz	Unit Price	Cost	Re- marks		Name	Cost	Num- ber	Unit	Unit Price	Cost	Re- marks
15.2	ť	15,900	831,600	Cessen	6	Plastering Plastering Work Labor Cost		2 ,520	••	970	2,444,450	
			831,600			SUB-TOTAL						
					,	Alusiaus Saak				·		:
Ĭ	set		4,512,000		<u> </u>	Aluminum 528h Labor Cost		1	set		990,600	
			4,512,000			SIB-TOTAL					990,000	
					8	Vooden Firtures						
	•			1		Voocen fixtures		1	set		1,300,800	1
	1					Labor Cost	i	1	set	ł	200,400	}
						SUB-TOTAL					1,591,200	
					,	Glazing Vock		1				
1	set		350,49	•		Katerials					 	
				1	1	tabor Cost		1	set	1	120,000	l
			353,49	٥		SEB-TOTAL					120,000	
				1	19	Palating Vork	ł					
		1	l			Painting Vork	Į	1,	561	·	950,400	
						SFB-TOTAL	Ì				950,400	
					11	Interior Finish Fork						
1	\$e	۱ ا	2,400,00	ν) 	1	Materials .	}				1	1
				l		tabor Cost		1	2.6	١ ا	1,300,800	
			2,690,00	°	Ì	2:3-101W					1,309,800	1
ļ				ì	12	Miscellaneous Vorks	1		1			ł
ı	50	٠ ا	630,00	»	l	Faterials		İ		1		
						Labor Cest	Ì	1	5 2	t	270,03	'
			630,66	22	ĺ	SCR-TOTAL					223,60	Ì
					vi	Crep Frotection Brigade						
1		1			1,	Teaporary Vork	65.	000	j		65,00	,
					١,	Earth Vork	165.	933	1		165,00	٥
ĺ) 3	Feezdatlen	1	1		1	1	
37.	,] ;	18,3	0,816 60	∞	1	Cezeat	1		1	1	1	
١,	,	63,0	00 222,0	လ	-	Refutorcement	1					
				1		Others	1,319,	200	s	et	113,00	o
						Others	1,310,	, acc	5		773,00	0

APPENDIX - B

		Foreign C	urithcy			Building Facility			 -	Local Co	ritrey	
Num ter	Unit	Unit Frice	Cost	Re- marks		Name	Cost	Nom ter	Unit	Unit Price	Cost	Re- marks
12.6	ŧ	100,930	1,260,000		4	Steel York Materials	2,529,000					
i					5	Labor Cost		12.6	ı	100,000	3,269,000	ļ
1	set		552,000	ALC	6	Roofing & Steel Fetal Vork Plastering Vork	552,602 845, 0 00		set set		552,000 294,000	
2.0		18,690	36,000	C	,	Plastering						
1	set		442,000	1	8	Plastering Work Aluminium Sash	183,000	1	•	970	, , , , , ,	
1	set		133,000		,	Glazing Work	184,000		set		119,000	
		•			10	Painting Vork	184,000	l	≤et		184,000	
	İ			1	11	interior finish Work	257,000	1	Sel		92,099	
					12	Riscellaneous Fork	240,600	1	set		78,000	
			3,306,000		:	TOTAL	7,009,300				3,703,300	
					53	Electrical Installation Vock						
		l onšelt , elc.	2,339,000		1	Substation System	2,499,000	Laber	a Cos	-	70,600	
Cosés	:ie ?i	pe etc.	3,940,000	·	2	Generator System	6,050,000	Labo:	i Ccs	t	120,000	
e e	lieg F Flact Lie Fi		2,420,000		3	fruik lice Viring	2,900,000	Labo	Cos	E	430,000	
-1:10	ig Kat	intere erials pe etc.	3,100,000			lighting & Receptable System	5,700,000	Lesc	. Cos	t	8,690,000	
	ical B	caré pe, etc.	200,000		5	Telephone Figing	300,000	230	se Cos	t	100,000	
Ante: Seeli Prepi Condi		coster t, a se.	369,000			T.V. Farty-lite System	420,000	Lasso	Cos	i t	63,000	<u>.</u>
To las	iller. se Coo		400,000		,	Broadcast System	450,000) La‰		it.	50,000	
		System pë etc.	220,000	·	•	Interphone System	250,00	0 L250	si Co	3.	30,600	
?ece	iver S	ystem ge etc.	1,650,600	·	,	Astonatic fire Alerm System	₹,050,00	مود ا	- Co	st	350,600	
ing i			270,000	,	10	Lightning Confector System	349,60	0 Ja 80	3) IC	st	20,600	
			14,510,000	}		SCB-101AL (a)	18,800,00	ا۰			3,883,600	·
						Ditector Bogse C Type for 2	ei idiags					
?.~.v	tiag i e Pass Pişe	1 Con-	1.000,000	,	,	Truck tire Virlag	1,200,00	o 	>27 Co	st	200,000	,
	ı	i										

Foreign Cu	rrency			Building Facility				Local Cu	m.eucă	
Yura Unit Unit	Cost	Re- murks		Name	Cost	Num- ber	Unit	Unit Price	Çost	Re- marks
Lighting Fixture Viring Naterials Confust Pipe	699,000		2	Lighting & Receptable System	600,000	about	Cost		20 0,0 00	
Terninal Board Conduit Pipe etc.	28,000		3	Telephone Figing	. 49,000	.55 001	Cost		12,600	
Anteona Series Colt Confult Pipe Cable etc.	65,000		4	T.W. Party-Mae System	50,000	aboui	Cost		5,000	
	1,413,000			SEB-TOTAL (b)	1,890,909				417,000	
				Steff Bouse D Type 50 w ² for	l Building					
Codult Fige lighting Finters Wiring Materials etc.	150,600		,	Lighting & Receptable System	210,000	ింది	Cos		69,000	
Confeit Pipe Lead Vice etc.	8,000		,	Telephone Figing	16,000	3500	r tes	•	6,000	·
Antenna Series Doit Confrit Fire	15,000	,	,	Y.V. Farty-Hee System	18,000		sr Cos		3,000	·
tos. Me tige	113,000	,		SE3-TOTAL (1 set)	242,000	,	1	1	69,000	٠
	2.075.000	,		SCE-TOTAL (12 sets) (c)	2,934,03	,			828,000	•
	18,433,000			CEAND TOTAL (*) + (b) + (c)	23,594,09	,		l	5,105,00	١
3	1		54	Plumbing Equipment Verk						
	900,00	0	1	Plumbing Equipment Vork	1,500,00	o		i	600,00	°
	33,560,00	٥	2	Vater Tower Station	14,550,00	٥		1	1,499,00	٥
1 1	3,229,69	ю	,	Water Supply Installation Work	4,600,00	×Ι	Į		1,350,00	"
	İ		١,	Fot Vater Supply	-				1	
	2,590,60	ю	5	Drainage & Venting Installation Work	3,700,00	χ.			1,110,00	»
			•	Fire Extlaguishing Equip-	-					
	433,00	00],	tPG Installation Vork	600,0	သ			120,0	သ
	2,000,0	99	8	Septic Teck	2,500,0	20	Ì		500,00	00
1 1 1	14,855,0	00	,	C∞lieg (astallatica	15,595,0	00	Ì		200,0	00
	(127,0	90	10	Veztilatleg System	630,3	જા	-	ļ	160,0	ળ
1	1		l II	Sell Sell						ĺ
	33,683,6	ćo.		TOTAL	44,055,0	×			5,970,0	χ
			ļ				Ì			
							-			Ì

APPENDIX - B

		Foreign C	Ourrency			Building Facility				Local Co	rency	
ium- ber	Unit	Unit Price	Cost	Re- marks		Note	Cost	then ter	UNI	Unit Price	Cost	P.e.
					54	Plurbing Work						
					ı	Plumbing Equipment Work						
			800,000			Smitary Finture						
	}		100,000			Cock (fascet)						
				ŀ		Libor Cost			set		699,099	
			990,069			SUB-TOTAL	1,500,000	İ			033,033	
					,	Vater Tower Station				1		
			3,900,000	16¢		Vater Tack						
			3,070,030	#153]	lowr				1		
			\$20,000		1	Forefatten Labour Cost		l			1,499,000	
			13,569,000			SEB-TOTAL	14,959,099				1,69,600	
					3	Vater Supply Installation Vork						
			1,033,003			Mayl Hije			İ			İ
		İ	279,030	i	1	Joiet and Others]		1	1
			400,000		ĺ	Talve			1			
	İ	1	100,000		l.	Anti-des Faterials		Į	1			
		İ	920,039	1	1	Fateriots		1				
		l	1			Labour Cost		1	set		1,380,000	
			3,270,000			St3-TOTAL					1,380,600	
	İ					Bot Water Supply	-				1	
	1		ĺ		5	Breinege & Venting Installation Work			Ì			
		1	140,000			Professe fittlegs						
		1	185,000		1	Vieyl Calorice Fittles			1	ļ		
			100,000	·	1	Drollage Leaden Pipe Fittlags		Ì	1			
		1	379,000	•	1	Drafeage Cast Iron Pipe					Ì	
			185,000	•		Metal		1				
	·		270,000	·l		Aut-Sev Baterials	İ	Ì			1	
			71/000			Riscellaneous		ŀ	50	ւ	1,119,669	
			2,549,000			SEB-TOTAL	3,700,600	,			1,119,000	
			1			fice Extinguishing Equipment	-					
					,	LFG Installation Work	[ĺ	-	ļ		
			310,000	•	i	leint and Cibers	1			Ī		
			\$3,600	۱,		Yalve		Ì	1	Į	1	İ
			120,000	·		Micellaneous	L			1		1
						Labor Cost		ļı	5.8		170,000	•
	J		490,000	١.		\$53-TOTAL	600,00	ا ا	1		120,000	, I

APPENDIX - B

		Fortign Co	aresty.			Building Facility				Local Co	nisceA	
Num- ter	Unit	Usit Price	Cost	Re- marks		Кате	Cost	Num- ber	Unit	Unit Price	Cost	Re- marks
			1,200,000 800,000 2,000,000		8	Septic Tank Vater Tank (50 persons) Vater Tank (35 persons) Labor Cost SCS-TOTAL	2,500,699	,	set		500,000 500,000	
1			3,569,000	026	9	Cooling fustablation Large Neeting Room 214.5 m ² 50700 Kcalf8						
1		355,000		606	 	Saall Meeting 2009 69 m ² 13300 Feel/E			ł			
1		\$95,990		603			ļ				:	
,		690,000 655,600		004								
,		,,,,,,	1,493,000	006		Electrical Vort & Faterials			sei		100,000	
15			14,835,000			223-1014F	15,595,60				200,000	1
2		22,00	1	1	10	Ventifating System Ventifation Fan		,	se		160,000	i
			649,00		l _n	SEX-TOTAL Vell	600,000				169,600	
			114,373, 9 3	9		TOTAL	287,210,38	3			172,836,450	
						·						
							į					
			<u> </u>									

Pesticide Laboratory

						Building Facility				Local C	nersuch	
Nom- ber	Ursit	Unit Price	Cost	Re- marks		Name	Cost	tium- ber	Unit	Un't Price	Cost	Pe marks
					51	Common Temporary Work	3,114,699				3,314,500	
			30,166,550		\$2	Building Work	92,695,770				62,552,220	
			19,445,000		\$3	Electrical Installation Vock	13,581,032				3,133,000	
			15,095,000		51	Plumbing Equipment Work	18,295,600				3,200,099	16.6+ 15
				'	55	Expenses	23,111,000				23,111,633	1
			55,687,550			TOTAL	150,797,770				95,110,220	
					52	Building Work					1	
			20,535,200			Kain building	51,643,100	ļ	1		37.55	
			1,193,750		11	Director Bouse	5,918,591			1	30,598,999 4,338,849	
	1					1 Building	,,,,,,,,,				4,119,623	1
			6,414,100		iii	Staff Boose 8 Fulldings	32,645,683				25,630,950	
			1,935,530	1	IV	Storage	3,630,000				1,633,500	
			30,144,550			TOTAL	92,695,77	·			62,552,220	
					1)	Electric Isstallation Work (see page 20)						
		l	İ		ľ	Main Beilding			İ			
					1	Temperaty Vork	1,459,600	1	set	•	1,400,000	>
		1		1	5	Earth Vock	279,000	1	set	:	770,000	'n
		j	2,450,000	1	3	Foundation	6,990,000	'		1	3,549,000	'
			9,200,000	1	•	Steel Fork	18,400,000	ď		ł	9,200,034)
			1,855,000	"	\$	Lato-claved light-weight Concrete Work	2,331,230	ľ			915,20	1
			Ì		6	Yood Work	7,006,59	7			7,0%,5%)
				1	,	Roofing & Steek Metal Work	3, 25,00	ᅦ	İ		3,705,00	2
		İ	164,83	?	1 8	Tile Vork	218,49	٥		1	23,63	2
			227,000	I .	9	Plastering	9%,00	1	1		£79,00	3
Ì		1	2,271,400	ď	10	Alusiales Sask	2,370,00	1	1	1	458,60	٥
					11	Vooden Fixtures	280,00		}		180,00	1
1			259,00	ł	12	Glarieg Vork	350,00	ł			91,60	
1			2,697,50		13	Painting Work	745,00	1	1		426,50	1
			1,699,60	'n	14	Interior Finish Cork	4,150,00	ł		1	1,452,53	
					15	Miscellaneous Vork	1,570,00	i			471,60	1
			20,534,20	3		101.0	51,043,33	ď		1	30,568,93	°
			1		1	Teaporary Fork	1					
		1			Į	és .		1	Se	١ ا	1,433,60	νο
						St.B-TOTAL						
											ļ	
											1	

APPENDIX - B

tum ter	Foreign Currency						Building Facility		· I				
cer i	U~i	Unit Price	1	Cost	Re- marks		Name	Cost	Num- ber	Usi	Unit Price	Cost	Re- marks
						2	Earth Vork		1	set		220,∞9	
							SUB-TOTAL						
						,	Foundation (Refutorced Concrete York) Naterials		1	s		1,260,600	
7)	,	1,80	×	1,769,000	,		Cesest			١.			
			1		Ì		Labor Cost		200 456] a'	1,50% 2,59%	Ì	
	1	1			1		Holding Box		*>>	"	[""	1,103,000	
2:3	١	63.0	»	1,200,00	9]		Reinforcement	1	20	1,	45,02	900,000	
	1		- [Eabor Cost		"	1		3,549,000	Į
ĺ				2,450,00	0		SUB-TOTAL		-			3,399,000	
ĺ			1			١,	Steel Bork		1		1		1
72		100.	တာ	9,200,00	x 0	ļ	Material	1	1		1	l	1
İ			1			1	Labor Cost	-	,	יו	100,90	of 9,200,000	<u>`</u>
	1		١	9,200,00	20		SCB-TOTAL		j			9,200,00	<u>'</u>
						5	Auto-clared Light-Velight Concrete Vork						
593		, ,	233	1,856,0	∞	-	Esterfal				1	1	
			١		ļ	ļ	Labor Cost	-	57	2	1.6	215,20	١
				1,855,0	œ		SEB-TOTAL	1				915,20	٥
l	1				-	١,	Wood Verk	1	1	1	ķ	Ì	
							Stroctural Fielshing Carpeatry		,	12 3	75,9	00 3,159,00	23
		1			1		Labor Cost]4	29 Pe	r- 8,5	3,645,5	×
		1			1		Fails			1		219,0	20
		ı			Ì		SUB-TOTAL		ŧ	ł		2,006.5	33
ļ							3 Rooffing & Steel Retal Wo	rk		ж .	6.5	500 3,705,0	l
							SUB-TOTAL					3,705,0	00
		I					8 Tile Work		- 1				
	3	,	4,000	32.	030		Mesaic Tile (floor)	ļ	- }	8 :	.2 .	000 16.0	200
ļ	⁻		6,73		,800		é0 (v211)		 	24		400 57 ₁ 0	333 K
Į				1	,850		SUB-TOTAL	ļ		1			
ĺ									}			1	
									1	1]	
						1			1	1		Ī	- 1

APPENDIX - B

		Foreign C	oriency			Building Facility		·		Local Cor	rency	
Num- ber	Unit	Unit Price	Cost	Re- marks		Кате	Cost	Norte ter	Unit	Unit Price		Pe-
69-3	e²	332	227,000 227,000		9	Plastering Plastering Vork Labor Cost S13-101st		700	o [‡]	970	679,000	
											*******	1
;	set		2,077,500		10	Aluniaum Sash & Windows Aluniaum Sash Lebor Cost			set		635,570	
1	sei		193, 9 00			Beary-weight Bolling Shotter Light-weight Bolling Shotter			**		415,723	
			2,273,499			Lebor Čast S12-707AL		3	set.		83,100 498,600	
					11	Vooden Finteres					230,000	
			İ			0∞rs		14	2120	17,500	215,000	
	1		1			Labor Cost		14	-	2,500	35,000	
Ì						SCB-TOTAL					289,690	
		į			12	Glating Fork			l			
1	set	1	259,600	·		čo		,	set	. [91,000	
			259,000			SEB-TOTAL				Ì	91,000	
					13	Palating Work Steel Part Oil Palat		,		12,000	103,699	
1						Vocen fact Gil falat	ļ	210	· •	350	13,570	
310	**	450	319,50	}	1	Actylic Resis	i .	700) -	350	245,000	
			319,53	·		\$18-TOTAL	Ì	Ì			426,500	
		1			14	laterfor Finish Vork		1	Ì		Ì	
i i	25	. 	2,697,50	9		ćo	İ	1	l \$1	١ ا	1,452,500	1
			2,692,50	٥		SUB-TOTAL					1,452,500	1
]		15	Macellaneous Work			-	1		
1		-	1,033,00	9		દ					471,000	•
			1,055,00	0		SEB-TOTAL					477,000	·
						Director Boust						
					\[\frac{1}{1}\]	Tespotary Fork	265,0	»[1	255,0X	,
			78,00	。	,	Foundation Work	333,≷	- 1	1	Ì	255,849	۱,
					,	Vood Vode	2,816,5		1	-	2,816,59	,
	ļ	Ì						ł	- }	1	•	

APPENDIX - 8

		Foreign C	nituca			Budding Facility				Local C	urrency	
ium ber	U∾i	Unit Frice	Cest	Re- marks		Матте	Cost	Nism- ter	Unit	Unit Price	Cost	Re- marks
					•	Spofing & Steel Hatal Work	451,000		1	Ì	491,000	
			55,600		5	Tile Vork	85,750		1	1	29,150	
			100.659		6	Plastering	396,500			Ì	295,850	
	1		557,600		,	Alimielus Sash	680,000		1		322,699	
			207	·	8	Vooden Fintures	135,030				185,000	
			45,000		,	Glasting Vork	60,000			ł	15,000	
					10	Paleting York	125,000		ļ	ļ .	125,000	
			292,533		11	laterice finish Vork	650,000				157,500	
			76 <u>,</u> %0		12	Miscelleneous Vork	100,000	•	1		33,090	
			1,197,750			TOTAL	5,578,590				4,278,849	
					111	Stell Bouse 8 Buildings						
			1	Į	١,	Temporary Work	1,459,000		1	1	1,450,000	
			300,000		[,	Foxeation Vert	1,624,493	ł	1	1	1,384,450	1
	1		300,000	1	Ì,	Seed Sork	15,125,000	Į.		1	15,125,000	1
		-		1		Roofing & Steel Hetal Vark	2,502,500	1	ļ	1	2,502,500	1
	ı	1	312,000	.	,	Tile Vork	\$71,8X		l		159,801	,
	1		531,300	1		Plasterieg	2,121,30	1	1		1,590,000	,]
			3,009,600		Ι,	dese sainley[A;	3,679,000	1	1	1	659,600	,
			1,,.	1		Vooden Finteres	1,000,000		ļ		1,000,000	,
	-	1	223,47)	,	Glaring Work	-319,00		1		80,60	, [
			1,612,00	.	10	Painting Work	630,00	i	Ì		630,000	,
		Ì	\$20,00			Interior Finish Work	2,490,00	,	1	1	568,00	,
				1	112	Miscellaneous Vork	600,00	9			180,00	0
			e"ele"10	0		TOTAL	32,045,03	3			25,639,53	•
					Lv	STC@A/9E		ļ				
			1,501,50	اړ	",		2,733,60	,		ļ	3,228,50	
			195,00	Į.		1	500,00	- 1	1		495,00	- 1
			1,959,50		1	TOTAL STATE	3,630,00	- 1		Ì	1,633,50	
					111	Meector Bosse				Ì		
					["	l Estidieg		ļ	į	1	ļ	j
					'	Temporary Fork		· [s	et	265,0	»
						SCS-TOTAL					265,0	200
				ľ								
					-			1	-	Ì		
							. SU3-TOTAL	SC3-TOTAL	SUB-TOTAL	SUB-TOTAL	SC3-TOTAL	SC3-TOTAL 265,0

APPENDIX - B

— ₁		Foreign Co	нтепсу			Building Facility				Local Cor	rency	
Num- ber	Unit	Unit Price	Cost	Re- marks		Name	Cost	Norm ber	Uniq	Unit Price	Cost	Pe marks
					2	Foundation Work						05,60
						Excevation		29	a '	1,955	39,000	
•						Fill Back		15	•"	810	12,150	
						Surplus Soil Disposal Cobblestone		•	•'	859	6,850	
	ŀ	1 1				Aggregate		3	•'	6,780	20,340	
	١,	18,000	54,000			Generat		'	set	i	39,650	
			-			Leber Cost		6				
0.2		60,000	24,000			Reinforcement		1 °	•	1,500	9,000	9.1%
			I			Labor Cost		0.4	,	4,500	18.000	
		ļ				Modling Box		33		2,9%	18,000	
						Plastering Work		33	.	199	95,799	
			75,000			SLB-TOTAL				33	15,839	3.23
											233,003	
					3	Vood Vork		1	1			
						Structural finishing Carpeatry		2:0	-'	7,500	1,500,000	
						Labor Cost		145	e15:2	8,500	1,232,539	
						Fatts]	1	set	1	81,050	
						SUB-TOTAL			1		₹.815,530	
			Ì		4	Roofing & Steel Metal Work				1		
			<u> </u>		•	ట		74		6,500	651,000	
]				SEE-TOTAL				1	481,000	
	Ì	1			,	Tile Vork						
14	_,	4,600	\$6,000			Materials	7				1	ı
					1	Libor Cost		,	set	1	29,750	1
			55,000			SCB-TOTAL					29,750	
				1				ļ	-			
	Ì				•	Plasterieg	1					Ì
335	•'	330	100,650	1935e (fel	1	Plastering Labor Cost		305	•'	970	255,450	
			100,650	,		SUB-TOTAL					235,850	İ
					Ì,	Alesiaen Sasa				Ì		
,	se	. 1	557,60	,		Aloniaus Sash		1				
l •			337,00	Ì		Labor Cost		١,	set		122,600	
			557,60	,		SER-TOTAL					322,400	
								-				

APPENDIX - B

<u> </u>		Foreign C	withch			Building Facility		<u> </u>	· ·····	Local Cu	riency	
North Ber	Urit	Unit Price	Cost	Re- marks		Нате	Cost	Num- ter	Unit	Unit Price	Ċоя	Pe- marks
	,		-		8	Wooden Fixtures						
						Vooden Fäxtures		,	sek		359,100	1
		}				Labor Cost),	set	}	25,930	
1						\$12-TOTAL		Ì		1	185,000	
[[[{	[100,000	
Ì '		[[:		9	Glazing Votk		1		(i	Í
1	set		\$5,000			Exterials		ł				ł
}				ŀ		tabor Cost		1	set	ł	15,000	ł
			45,000			SCS-TOTAL			1	}	15,600	
ļ									•	}		
}					10	Peinting Vork			•			
			'			SUB-TOTAL		l ,	set		125,000	
			ا					ĺ	{			
(11.	Interior finish Votk	•	İ	Į.	1 1		
2	set		292,500			Katerfals	l	ì	Į .	<u> </u>		
l				,		Labor Cost	l	1	set	} }	157,500	
<u> </u>			ı	! .	12	Miscellactocs Vork	Į]			
1	Sez		70,000			Materials]		j	} }	i	
İ				\ '		Labor Cost	1	1	set	,	30,693	
1			70,630			SEB-TOTAL	Í	Ī			30,000	
	l	1		[ĺ	ſ	1	l	ĺ	25,000	
l				l	ľ	i	Į.		l	1		
1		1		•	HE	Staff Boose 8 Belldings		l	Ì			
Į.					١,	Temporary Work	ļ	١,	set		1,450,000	
j			1	Į		SCB-TOTAL]	}]]	1,000,010	,
]	ļ			j ,		Sta-total	}	1]]]		,
1				Ì	2	Foundation Vork		l	1	1		
{	1			•	•	Excaration	Í	103	,,	1,350	200,850	
(ĺ			[-]		FEIR Back	Ì	83	,	810	67,230	•
1	l	1				Sumples Soil Disposal	ł	43	<u>,</u>	850	34,000	•
l					1	Cobblestone	ļ	15		6,180	101,200	} ,
ļ					•	Aggregate		١,	set		250,500	
11	,	13,000	193,000	}		Cepest	•	1			150,500]]
ļ	İ			ļ		Labor Vork	1	34	- 1	2,500	51,000	i '
17		60,600	102,000	•		Reinforcement	[•
ĺ						Labor Work	[1.7		45,000	76,500	{
				1	Ì	Bolding Box	[179	,	2,900	-	1
1			Ì		ł	Plastering Vock	l	269		450	83,633	•
l			300,000	l	ł	SUB-TOTAL	1		1			
1		[] ~~,~~	Į		4-2-14:EF		1]	1,354,493	
)			}]	1	Į		•]
	1	•	[]	j			,		}
<u> </u>	i	J	i	<u> </u>	ــــــا	1	<u> </u>		1		L	L

APPENDIX - B

		Foreign Co	riency			Building Facility		Ι		Local Cu	rrency	
Nium ter	Unit	Unit Free	Cost	Re- marks		Кате	Crst	Num- ter	Unit	Unit Price	Cost	Pe- marks
					3	Yood Wark						
		ŀ	·			Structure Machinery		107	İ	35,000	3 636 633	
						Labor Cost		282		8,520		
						¥ails			set	.,,,,	453,000	
						SUB-TOTAL					15,125,000	
					4	Roofing & Steel Metal Work						
	i					રેડ		38\$	-²	6,500	2,592,500	•
						SUB-TOTAL					2,502,500	
					5	Tile Voit				1		430£0
78	2,	4,000	317,000			Katerfals	İ	1				41010
						taker Cost		1	set	1	159,800	
			312,600			SUB-TOTAL					159,800	
				i	6	Plastering	 		Į			1
- 19	3,	αι	531,300	rater- ial		Plastering Work Labor Cost		,649	>,	970	1,590,603	
			511,380			SEB-TOTAL					1,550,600	
		·			,	Aftarina Sash						
3	set		3,009,493			Aleminum Sash	Ì	İ			1	
	1					Labor Cost		1	. set	1	660,630	
			3,003,499			SCB-TOTAL					650,600	
					8	Vooden finteres						
						Vooden Fixtures		,	set	ļ	\$70,000	
				1		Labor Cost		1	set		130,000	
						SUB-TOTAL			١		1,000,000	
			İ		,	Glaring Work					İ	
1	set		229,400	.		Faterials		1	ĺ		1	
						Labor Cost		1	\$21		బ, 600	
			229,490	•		SER-TOTAL					80,600	
				1	10	Painting Vock	1		ĺ			1
					"	Pajating Work		١,		,	630,000	.[
						SUB-TOTAL					630,000	i
							•		1			
	ł	1		l]					1		1

APPENDIX - B

		Foreign (Durrency			Building Facility				Local C	urrancy	
Nom- Ber	وزمل	Unit Price	Coss	Re- marks		Note	Cost	Num- ber	Unit	Uni1 Price	Cost	Re- marks
					27	laterior fielsh Work						
ı	521		1,612,000			Katerlols			'	,		1
						Labor Cost		ŧ	set		868,000	Į
			1,612,000		İ	SUZ-TOTAL					868,000	ł
					32	Miscellaneous Vork	ļ					
ì	set		420,000			Kateriols		ļ	,			1
						Labor Cost	İ.	3	set		182,000	
			429,000			SC3-TOTAL					180,600	
												}
ļ					17	Štorage				j		
1	set		1,501,500		1	Storage & Generator Statton		3	set		1.228,500	l
Ì	SeI		435,000		2	Incinerator Station		3	set	}	695,000	
!			1,998,500			SCB-TOTAL		ŀ			1,633,500	ŀ
					!				ļ			
					53	Electrical Installation Vock			ĺ	1		1
			7,990,000		1	Kain Brilding	,10,100,000				2,110,699	
•			1,234,000		11	Cirector Boose	1,545,000			ļ	311,000	
			1,224,000		111	Staff Bouse	1,136,000			ļ	112,000	
		, 	10,445,000			TOTAL	13,581,000			ļ	3,133,000	
				!		Kala Bailding					i	
		ļ	2,730,000	!	,	,				1		
			1,690,600			Seperator System	3,000,000		{	1	270,000	
			2,000,000			insk line Viring Lighting & Receptable System	3,000,000		[1	699,000	1
			125,000			felephone Figing	209,000		ļ	ļ	1,000,000	
			175,600		5	T.V. farty-lice System	250,000)	ļ	15,600	}
			265,600			Brosscast System	200,000	1	}]	75,000 25,000	J
			135,000		,	Interphone System	150,000		ļ	j	35,000	
			\$50,000		8	Fire Alara System	1,200,000]	}	15,000	
			2,330,000			TOTAL	10,100,000]		2,110,000	
											-,,,,,,,	
					ī1	Director No.se à Boilding						
			1,020,000		ı	Truck Line Viring	1.800,000			l	150,000	1
		ļ	180,000		2	Lighting & Beceptable System	300,000		ľ	}	120,000	
į			12,600		,	Telephone fiping	₹0,000			ļ	8,000	l

APPENDIX - B

		Foreign (Surrency			Building Facility				Local Ca	x rency	
Num ber	Unit	Unit Frice	Cost	Re- marks		Name	Cost	Nuns ber	Unit	Unit Price	Cost	Re-
						T.V. Fasty-line System	25,600				3.600	
			1,234,600		1	TOTAL	-				3,690	
			1,050,050			ISIAL	1,545,000	ŀ			311,000	
		İ										
					111	Staff Eouse 8 Buildings	1					
			1,059,999		۰, ا	Lighting & Receptacle System	1,650,000				£50,660	
			64,000		,	lelephone flying	112,030				18,600	
			129,000		3	I.V. Party-line System	144,000			!	24,600	
			1,224,600			TOTAL	1,936,000				¥12,600	
											<u> </u>	
					1			l				İ
t= Cat t	. c=3.c	Pige, Sur (450	1 2,130,000	1	1	Generator System	3,000,000				270,000	1
Carr	4 "	I CA.	1,600,000	1	2	Truck Line Kiring	2,609,000	·		}	499,000	
L Acs Ze Car	e Carre	Consider Pa Alla Metacla	2,000,000		,	Lighting & Receptacle System	3,000,000	,	Ì	1	1,000,000	
Seration Sea, To	il begett, f Edite	Emilie Fige	125,000	ŀ	١,	Telephone Figing	89,60				15,000	
C= 54 t	i d'igat, Go	Sentes Dit c, Selte, et	° 175,000	ŀ	5	T.V. Party-live System	250,000	1			15,000	
14 14 15 Card of 1 Card of 1	ing Special Pipe Sci Die Mices	or, Malana, n. Bo Gable, Calm	255,000			Broaccast System	309,000				35,000	
Luta-yê Bor, Îv	Cabbe, s	n, Carlet P Tr	a. 135,000	,	,	Interphone System	150,090	,		l	15,000	
forgive To Eab?	u Pan L. (in, Green	im Saft Pigo ding Meinela B	550,000		8	Fire Alera System	1,200,000				240,000	
	1	ĺ	7,999,000	,		TOTAL (a)	19,109,900				2,110,000	
						Pesticide Leboratory C Type	Arector Boo					
L'éct		 	1,010,000	,	١,	from tire tiring	1,200,000	,			187,600	
Later and	da ka	Zeli u, Condict I Televisia, c Co Cd iz		,	2	Lightlag & Perepracle System	200,000	,			120,000	
Berneta.	Motorioù al Voerf, e Calle		. 17,000	, 	3	Telephone Piples	20,000	,			8,000	1
le term		Maio, Carlo Cala	ura 22,000	, 	١,	T.V. Party-lice System	25,000	,			1,000	
ers. t	. [1	1,234,00	,		TOTAL (b)	1,545,600	,			311,000	
	1					Pesticice taboretory & Type	tell Bouse					
uga Ta	l Marketa	: <u> </u>	ا 20,00 م <u>مع</u>		١,	Lightles & Beceptacle System	219,000) E # >>	e Cest		80,000	
		o, C=3ac i ctolo koo, to Cab≥ ctolo		1	,	felephone liping	14,000	, -	-		4,000	-
		itate Mare Carlo Mario Novad		0	,	T.V. Party-lite System	10,000	, -	-		3,600	
ito Cad Non		V 2	 153,60	ا،		SCE-TOTAL	242,000	,			89,000	
		.	1,244,00	۰		Sed-Hotal (8 sets) (c)	∞,≪e,e				212,000	
			10,445,00	٥		10117 (*) + (9) + (c)	13,581,69	,			3,133,000	
		1			Ţ							
1	-				1				1		1	1

APPENDIX - B

		Foreign	Corrency			Building Facility				Local Co	xitreq	
Num- ter	tenit	Unit Price	Cost	Re- marks		Name	Cost	Nom- ter	Unit	Unit Price	Cost	P.e. rracks
		ļ			16	Plumbing Equipment Vork	_	1				
	·		680,000		1	Flumbing Equipment Work	800,000		\		320,000	
	·		2,240,000		2	Vater Tover Station Work	2,800,000				550,000	
		1	1,680,000	ı)	Vater Supply Installation Vork	2,499,000				120,000	
					4	Eot Water Supply	-		1	Ĭ		i
ļ			1,400,000		5	Drainage & Venting Installation Fork	2,000,000				609,000	
			{		6	Fire Extleguishing Equipment	-			4		
i			249,000		,	LPG Installation Vork	300,000			Į.	60,000	
			600,000			Static Tesk	1,000,000		•]	200,000	
			7,595,000		9	Cooling Installation	8,035,000		•	•	590,000	1
		•	659,003		19	Ventilating System	930,000				249,660	ĺ
		}	į	•	31	Sell		l	ł	ļ		}
			15,035,000			TOTAL	18,235,000				3,200,000	
				}	54	Plumbing Equipment Vork						
		ļ	430,000	,	1	Plumbing Equipment Vork		Ì				ļ
	[50,600	[Sautery Finters			ĺ	ĺ		ĺ
	l		ł	ł	l	Cock (faucet)			ł	ł	İ	
		ļ		ļ	1	Labor Cost	ļ) ı	set	ļ	320,000	
			450,000			\$12-TOTAL	600,000				320,000	
					,	Water Tower Station Work						
			633,000	41 1010		Vater task						
		ł	1,249,000	ļ	1	Tover	ļ	1	l	ł	1	}
	•	j	\$20,000]		Pump		}]	}	}
		1			ļ	Foundation Labor Cost				1	\$60,000	l
			2,249,000			SUB-TOTAL	2,830,600				\$60,000	
					,	Water Supply Installation Work						
]		549,000	}		Hayl Hoe]			J	}	
		1	400,000			Joint and Others	1	1			}	
			500,600	1	l	Valve	Ì		ĺ			l
	l	ł	60,000	1	1	Anti-des Esteriols				1	ł	i
	•)	150,000]		Miscellaneous]			1	ļ	
					1	Labor Cost		١,	set		720,000	1
			1,650,000			SUB-TOTAL	2,600,000	1				
				}		<u> </u>]					
		Í		1		1	1		1		1	
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u> </u>	1		1

APPENDIX - B

		Foreign Cu	нивису			Building Facility	-	~		Local Cu	entory	
Nurs- ber	Unit	Unit Frice	Cost	Pe marks		Къте	Cost	Num- ter	Unit	Unit Price	Cost	Re-
		Ì			٠,	Bot Water Supply						***
					5	Drainage & Venting Installation Work						ł
			600,000			Drainage fftiffigs						
		1	100,000			Vinyl Chloride Fittings						
			50,000		Ì	Prainage Leaden Fipe Fittings						
			269,000			Drainage Cast Iron Fige						İ
			100,000			Petal			ĺ			
			159,000			Anti-Sev Naterials						
			430,050			Miscellaneous						
						Labor Ost					600,000	
			1,420,000			SUB-TOTAL	2,099,099				600,000	
1					6	Fire Extinguishing Equipment						
	l				,	LPS Installation Fork			1			
			155,000			Joint and Others				ŀ	İ	
1			25,000			Talue						
			60,000			M scellaneous						
						Labor Cost					69,693	
	ļ		249,000			SSB-TOTAL	300,000				£0,000	
	1				8	Septic Tank						
			800,800	ļ		Vater Trok (35 persons)		ı		1		ĺ
1						Labor Cost		١,	set	1	200,600	
			800,000			SEB-TOTAL	1,000,000	·		Ì	200,000	
		1			١.	6		1			1	
١.	w1t		955,000	30.05	'	Cooling Installation Small Meeting Room 60 m ²				1		
			,,c.,	-006	Ì	Salli Rettis Red Wa						
•	-		3,579,000	08-1E -003		7600 Ecol/H			ı			
3	-	90,000	2,679,000		ļ	8700 Ecel/E			-			
			1,000,000	·l		Paterials		ĺ				1
1]				taber Cost	İ	۱ ا	se	۱	500,000	l
		1	2,555,000			SUB-TOTAL	8,095,00	3		1	\$60,600	
	1				10	Teatilating System				}		
30	-	55,000	650,000			Teatilities fan	1					ļ
]			tator Cost			1		249,000	
			660,00			SUB-TOTAL	930,50	٥			242,000	•
					,,	Vell						
			55,697,550	,	"	TOTAL	150,797,77	ا ،	ĺ		95,110,220	,

Forecasting Laboratory

APPENDIX - B

		foreign (Surrency			Building Facility				Local Co	urrency	
M _O m. ter	Unit	Unit Price	Cost	Re- Furks		Name	Cost	Num- ber	Ųnit	Unit Price	Cost	P.e. marks
					\$1	Cosmon Temporary Vork	2,643,000				2,643,000	
			25,783,000		52	Building Vork	28,506,430	ļ.			51,723,430	
			8,288,000		53	Electrical Installation	10,755,000			ļ	2,457,000	
			13,982,000		54	Flumbing Equipment Work	16,660,000				2,450,600	
					\$5	Bandling Expenses	19,841,000	ľ	1		19,841,000	Ì
			49,051,000			TOTAL	128,205,430				73,154,430	<u> </u>
					52	Building Vork						
			19,990,200		ı	Main Bailding	49,511,400				29,521,200	
			1,501,500		11	Storege 6 m × 5 m	2,730,030	}]	1,228,500]
		İ	495,000			Generator Station 6 m × 5 m	900,009				435,000	
:			357,500			Incinerator Station	903,900]			514,400	ļ
						S m x 4 m Viadou Screen	2,450,000	1	ļ		2,450,000	Į
	'			[!		6 m × 9 m			İ	İ		[
			3,399,750		27.1	Staff Zouse (VIP) 1 Ecilifiag	5,978,590				4,778,849	
		1	3,207,050			Staff Boose (VIP) D Type 4 Buildings	15,022,540				12,815,499	ĺ
	ļ		26,783,000			TOTAL	78,506,430				51,713,430	
		}				Main Building	•	•				
1	set			•	1	Temporary Work	1,350,000	,	SEE	ļ	1,350,000	ļ
ì	-	ĺ	ĺ	ĺ	2	Earth Vork	350,000	1	١.	1	350,000	
1	-	Ì	2,424,000	1	3	Foundation	5,877,000	1	-	1	3,453,000	
3	-		9,000,000		١ ٠	Steel Yark	18,000,000) 1	•	ļ	9,000,000	1
I	-		1,811,200		5	Acto-claved light-weight Concrete Work	2,702,400	1	•		\$91,200	
		ļ]	6	Wood Work	6,636,000	ļ i] -]	6,626,000	
					,	Roofing & Steel Hetal Work	3,600,000	1	-	Ì	3,600,000	
ŧ	see	l	136,100	1	8	Itte Vock	205,300	1	-	1	69,230	1
Ł	-	l	201,300	1	,	Plastering	802,700	1	-		601.600	l
ł] -		2,214,039)	10	Aluminica Sash	2,200,000	ŀ	-	ļ	155,000	j
		Ì			11	Vooden Fintures	283,660	lı	-	1	280,000	1
ı	set	1	244,000	ĺ	15	Gigaleg Fork	330,000	1	-		85,830	ĺ
1	-		309,600	1	13	Painting Vork	227, Жо	1	-	1	418,100	
1	-]	2,650,000]	16	laterior finish Vork	4,000,000	١,	-	1	1,490,000	
1	-		1,050,000		15	Miscellaneous Vork	1,500,000	ı	•	1	450,000	1
			19,590,200			TOTAL	49,511,490				29,521,700	
]		1		<u> </u>]			}	J	

APPENDIX - B

		foreign Co	MIGUEN		· · · · · · · · · · · · · · · · · · ·	Building Freity				Local Cur	rency	
Num- ber	Unit	Unit Price	Cost	Re- marks		Kane	Cost	None- ber	Unit	Unit Price	Cost	Re-
					1	Lendoteth Rolf		1	set		270 400	
						SUB-TOTAL		1	366	İ	1,359,609	
											1,350,000	
					2	Earth Work		1	set	ĺ	259,000	
						SEB-TOTAL					750,000	
					3	Foundation						
						Aggregate		1	set		1,169,000	
5, 5	C	13,000	1,224,699			Ceneat						
						Labor Cost		195	•'	1,590	291,600	
20	·	62,022	1,200,000			Noiding Box		441		2,50	1,192,509	
- •	`		1,103,039			Referencest Labor Cost		l				
]	2,424,000					23	'	ι 5, ∞ο	939,000	
			2,4:4,000			\$18-TOTAL			İ		3,453,600	
					4	Steel Vock						
3 .3	•		9,000,000			Materia)						
						Labor Cost		×	,	90,000	9,000,000	
			9,000,000			SUB-TOTAL					9,000,000	
					5	Auto-clased Light-velght Concrete Vork						
545		3,200	1,811,200			Faterfal			1			
						Labor Cest		557		1,650	891,200	
			1,511,200			SIB-TOTAL					831,200	
					،	Wood Work	1					
						Structural Finishing Carpentry		ь		75,GOO	3,000,000	
					ļ.	Labor Cost		410		8,500	3,455,000	ļ
						Sails		1	set		201,660	1
						SEB-TOTAL					6,655,000	
					,	Roofing & Steel Metal Work					3,630,669	
						¢o.						
						\$63-TOTAL		1		ļ	3,400,000	
					8	Tile Vock				1		
7	•	4,000	28,000			Bessle Tile (fleet)	1	١,		2,000	14,000	1
2)	-	4,733	168,100			& (v211)]	23		2,430	55,200	1
			1%,100			\$18-TOTAL					69,260	
				1	1						Į .	

APPENDIX - B

		Foreigne	urrency			Building Facility	"			Local Cu	rrency	
Num ter	Unit	Unit Price	Cost	Re- marks		Name	Cost	Norte Ber	Unit	Unit Price	Cost	P.e marks
11.13		330	201,300 201,300		•	P) astering Plastering Vork St3-7014L		620	•,	970	601,690 691,490	
1	set		2,025,000		10	Alunieus Sash Aluniaus Sash						
I	set	ļ	159,000			Labor Cost Beary-weight Robling Shutter Eight-weight Robling Shutter		1	set		405,600	
			2,214,000			Lador Cost SE3-101AL		1	set		81,000 486,000	
					11	Wooden faateres Door Labor Cost		14	l	17,590 2,500	245,000	
						SUB-TOTAL				2,500	35,000	
1	set		ZES,200 245,200		117	Glezing Vork : és SES-TOTAL			set		85,850 85,830	
					1)	Polating Vock Steek Pock Old Polat		9		12,000	108,600	
533	a [‡]	150	309,600			Froden Park (61) Palas Scrylic Rasin		206 650	 - ,	350	72,100 235,000	
			309,600			SCT-TOTAL					418,160	3
1	sec		2,630,000		14	laterfor Halsh Voth do Labor Cost		,	set		3,490,600	
			2,600,000		15	STS-TOTAL Miscellaneous Works					3,499,000	
3	Set		1,050,000			Mescellenenis Vocks		,	set		650,000 650,000	
					1	STAFF HOOSE & Bottdergs Temporary Work	724,000					
		!	145,000		ż	Foundation Work Earth Vork	849,600 7,512,600				724,000 692,000 7,572,000	
ļ						Roofing & Steet Betal Work	1,245,000				1,248,000	

APPENDIX - B

		Foreign C	urrency			Building Facility				Local Cur	rency	
Ser Ser	Unit	Unit Price	Cost	Rg- marks		Ката	Cost	Non- ter	Unit	Unit Price	Cost	Re-
			154,000		5	Tile Work						
			272,200		6	Plestering	233,500				79,600	
			1,504,000		,	Aluelaius Sash	1,692,600	•		1	814,800	
					8	Vooden Fintures	1,834,000		1		330,000	
			116,800		9	Claries Work	50,600	1		- 1	\$30,430	
					10	Palating Work (Coating)	156,850	i i			42,693	
			800,000		11	Interior Finish York	316,830				316,800	
			210,000		15	Miscellaneous Work	1,233,600	1			(33,69)	
			1 110 000				271,349				61,340	
			3,210,000			TOTAL	15,022,540				32,818,549	
						STATE 2005E						
				l	1	Temperary Vork	181,000				181,000	
]	37,000		2	Foundation Voca	210,699	İ			173,000	İ
					3	Vood Vork	1,893,200			li	1,893,800	
				1	4	Roofing & Steel Metal Bork	312,600	1			312,000	
	1		38,500	İ	5	Tile Vock	55,400	i .		i I	19,920	
			69,300			Flastering	273,000				203,200	
			375,000	l	3	Aluminium Sash	458,500				82,500	l
					8	Vooden Fintures	125,100	}			125,000	
			29,200		,	Glazing Work	33,200				19,000	
					10	Palating Work	29,200				79,200	
	İ	İ	200,000		113	laterior fielsh Vork	308,400	1			_	l
			52,500		12	Miscellaneous Verk	35,000	i i			103,450	
			822,500			TOTAL	4,013,000				22,500	
	İ						7,077,000				3,210,590	
					,	Temporary Vork		1	set		181,000	İ
						SEE-TOTAL		1			181,000	
- 36 - 36	,	18,930	24,600		١,	Feendation Verk			1		\$5,000	١
).Z1	١,	60,000	12,499	1	1	Reislogcezeat		1		l	•	
						Labor Cost		0.21		45,000	10,000	
			ł			Kolding Box		23	_,	2,900		1
						Plastering Vork		27.5		420	1	
			37,000		1	SER-TOTAL	219,000	1			173,600	ļ
] "				1				113,000	
					3	Vood Verk			1			
						Strocteral Finishing Carpealey		13.	4	35,600	1,600,000	
		1				Labor Cost		38		3,500	833,300	
						Xalls		1	set	Į	59,402	
						SCB-TOTAL					1,433,000	.]

APPENDIX - B

<u> </u>		Fortiga C	virency			Building Facility		<u> </u>		Local Co	ri ency	
Num- cer	Unit	Unit Price	Cost	Re- marks		Kame	Cost	Numb ber	Unit	Unit Price	Cost	Ple- marks
					4	Roofing & Steel Metal Work		45	92	6,500	312,000	
					!	SUB-TOTAL					312,000	
1					5	Tile York						
1	set		38,500			Materials		١,	set		19,930	
						Labor Cost						
						SUB-TOTAL		! .	•		19,900	
			_		5	Plastering						
3.85	•	15,000	69,300	'		Plastering Vock		210	22	\$70	20),700	
			69,300			Sub-rotal		1			201,700	
					7	Aftenfaum Sash		1	ł			
۱ ا	set		376,000			Aluminum Sash	l					
						Labor Cost	ĺ	()	set	[82,500	
			375,000		ł	SUB-TOTAL			1		87,500	
]				Voodes Finteres]				
ĺ				1		Vooden Finteres	ļ	1			108,400	
	1			Į		Labor Cost	Ì	1	set	l	16,700	
			}	ļ		SUZ-TOTAL]				125,100	
					,	Claries Work						
1	set	[83,89	ĺ	ĺ	Materials	ĺ			ĺ		
		ļ	}			ledor Cost		1 1	set	1	10,000	
			23,200			518-70TAL :		1			10,600	
					10	Painting Work (Coating)						
İ		1		Ì	1	Falacing Sock	1	1 1	set	1	79,200	ľ
						Seb-total					75,200	
			ļ		ո	laterior Finish Vork				ļ		
1	set		200,000			Materials	1		1			
		Į		ļ		tabor Cost	}	1	sex	1	108,400	1
			230,000			SUE-TOTAL	}	}			108,400	
					12	Riscellaneous Bock	ļ					
1	set	1	52,590		ĺ	Katerials	ĺ					
Į]	ļ		j	labor Cost)	1	set]	22,500	
			52,500			SEB-TOTAL		1			22,500	
ĺ		Ì	[
L	ـــــــ	1	<u> </u>	ا	1	J	1		1		<u>. </u>	1

APPENDIX - B

		Foreign	Corrency			Building Facility				Local Co	RIESCY	
Num- ber	Ųvit	Unit Free	Cost	Re- marks		Name	Cost	Num- ber	Usia	Unit Price	Cost	Re- marks
			<u> </u>		53	Electrical lastallation Vork						
			7,255,000		ı	Main Building	9,410,699				2,155,000	
			228,000	1	11	D Type 4 Buildings	930,000				252,000	
			305,000		111	C Type 1 Building	365,000		1		60,000	
			8,288,000			TOTAL	10,755,000				2,457,000	
						Forecasting Laboratory C Type Building, D Type Building		·				
1.20°# 4 Emilie (Emilie (, 3 14 14 War	THE CALL	\$,609,000	•	1	Generator System	3,000,000	Labor	Cost		429,600	
L'Actes	fort f	ant fact In Calin	1,500,000		2	Trued Line Wirley	1,850,000			[2227,602	
Life Cong Riches Co.	Parant Paranta Paranta	pas Condido Pri En Cobis Interfallo Intelés Pigo Colo	. 1,620,030		3	Lighting & Receptable System	2,700,050	-			1,080,099	
t lere.	Same tar	Series San	179,000	1	4	Telephone figing	183,000	-	1	1	62,669	
(male r			190,000		5	T.T. Pasty-line System	220,000	١.			30,000	1
Ca-3-de	بمهاو	e, Rise Cale	270,000	Ì	8	Broadcast System	300,000	-			30,000	
lar like Lar like Landal t	na System Cag Baca: Pigna Pagna!		135,000		7	laterghone System	150,000	۱ -			15,000	
Mary and		ı	820,000		8	Fire Alaru System	1,060,000	-			240,000	
			7,255,000			\$13-TOTAL (a)					2,155,000	
						Forecasting Laboratory D Type Building					:	
		Sameria la .	- 150,030		1	Lighting & Receptacle System	200,000	·			50,000	
		. Scotus se e. 10 CAS.	12.000		2	Telephone Hiying	20,090	,			8,000	
Codet	. Section Payer, No In Marie 	}} }	²⁰ ,000		,	T.V. Party-line System	, 25,000	e5c	. 60 s		5,000	l
	ı	1	182,000	-		SEB-TOTAL (b)	245,300	·			63,000	
			225,000			SUB-TOTAL (4 Balldings)	\$80,000	·			252,000	
						Forecasting Laboratory C Type Building						
			255,000	1	1	Lighting & Beceptacle System	300,900) Labo	Ces	t	45,600	
		i	20,000		1	Telephone Piping	30,000	٠ [1	10,600	
			30,600	•	,	f.V. Zarty-Jive System	35,000	٠ ١			5,000	
			305,000	,		\$18-101AL (c)	365,00			1	60,000	
			8,283,000	,		Total (a) + (b) + (c)	10,755,00	٥	Ì		2,457,000	,
					54	Plumbing Equippeat Vark						
			¥9,00	,	١,	Plumbing Equipment Vock	600,00	٥	ĺ		249,000	,
			1,110,000	1	,	Vater Tower Statton Vock	2,800,00	ا،	1	Į.	\$60,000	, [
							1		-	İ		

APPENDIX - B

	 	fertign C	urrency			Building Facility				Cocal C	wrency	
N m ter	Unit	Unit Free	Cost	Re- marks		Name	Cost	Nym- ber	Unit	Unit Price	Cost	Pe. marks
			1,330,600		3	Water Supply Installation Work	1,900,000				\$ 20,000	
					4	Bot Vater Supply						
			1,050,030		5	Drainage & Venting Installation Work	1,500,000				450,000	
					6	fire Extinguishing Equip- sent						
			169,000		,	LPG lestallation Work	290,000		i		69,099	
	1		800,000		8	Septic Tank	1,600,030	ļ			200,600	
			7,719,000		9	Cooling Testallation	8,010,000	İ			309,000	ļ
			333,000		10	Feetileting System	450,000				120,000	ŀ
					11	Se11			l			ļ
	1		13,589,000			TOTAL	16,450,000		1		2,450,000	
					54	Plumbing York				ļ		
	1	ļ	Ì		լ	floobing Equipment Vork		Ì	1			1
			320,000			Saultary Fistores]	l
		ļ	69,000	ļ		Cock (Faucet)		l		1	J	1
		1		1	Į	Labor Cost	1	1	set		247,000	
			360,000			SUB-TOTAL						
					2	Vater Tover Station Work					1	
			600,600	4 t 1010		Vater Tark	ŀ					
			1,249,000			Steel Iwer	 					
	1		\$20,000	l		Pump						ļ
				l		labor Cost				1	\$60,000	. [
			2,210,600			SEB-TOTAL	2,800,000			ļ	\$50,600	.
					3							
				1		Vork	1				1	
		Ì	430,000			Vinyl fire				1		
			300,000	1	ĺ	Joint sed Others			Ì			
			<u> </u>	1		Talm:	ì	ł			1	
	l	1	85,000	1		Rati-dev Exterials				1		
		1	330,000			Hiscellaneous	1		1			-
		1		ļ		Labor Vork]				\$79,000	١'
			1,330,000	` \		\$18-707AL	1,900,000	ľ			\$10,000	<u>`</u>
					١٠	Bot Vater Supply						1
	İ				5	Grainage & Yeating Installation Work						
			339,000	•		Oralage Fittlags						
			25,000	·		Visyl Chlorice Fittings						
	1	ļ	1	1				1		1		

APPENDIX - B

Foreign Currency						Building Facility		Eood Currency				
Num ber	Unit	Unit Price	Cost	Be- marks		Name	Cost	Num ter	Unit	Unit Price	Cost	Re-
			35,000			Grainsge Leader Pipe Fittings						
			170,000	İ		Drainage Cast Iron Fige						
			25,000			⊁ctal						
			95,000			Anti-dev Katerials		ŀ				
			309,000			Miscellaneous						
						Labor Cost		1	set		450,600	
			1,059,090			SCB-TOTAL	1,590,000				459,699	
					6	fire Extinguishing Equipment	-					
					,	IPG Installation Vock						
			105,990			Joint and Others						
			15,000			T21ve		1				
			49,000			Miscellareous				1		
						Labor Cost		1	set		42,000	
			160,000			SEB-TOTAL	200,660				49,000	
					8	Septic Tank						
			8:0,033			Veter fæk (35 persons)				ł		
						labor Cost					\$00,000	
			i.			SUB-10IAL	1,600,600				250,000	
					9	Cooling Installation						
			2,100,000	38-		•	1			1		
_				√2-01Z		Hedius Hesting Room 98 m ²	İ			}	!	
Z	11cm	595,000	1,190,000	39- E-003		7,630 Ice1/I	٠					
1.	-	955 ,0 99	3,820,000	38- E-0%		13,200 Rc41/2			İ			
			630,000			Katerials	İ	1				
		1				Labor Cost				ĺ	330,000	
			7,710,000			SUB-70TAL	1,719,000				330,600	
					10	Ventilating System		1			ļ	
15	i -	22,000	330,000	ĺ	İ	Yeatilation Fan					İ	
						labor Cest			Í		120,600	
		;				SSB-TOTAL	459,000				123,600	
					31	vell						Ì
			49,051,000			TOTAL	128,265,430				73,154,430	
ĺ		1								1		
l	l	1		<u> </u>			<u> </u>			1	1	<u>L</u> .

Pest Observatory Unit

APPENDIX - B

Foreign Corrency						Building Facility			Local Currency					
per Sum-	Uni		Unit Price	Cost	Re- marks		Name	Cost	Num Ber	Unit	Unit Price	Cost	Pę. marks	
		1				51	Cosmon Temporary Work	681,000				681,000	4.53	
				2,205,600		52	Building Sork	10,796,000			1	8,589,000		
		1		228,000		53	Electrical Installation	283,000				55,000		
				1,690,000		54	Vork Plumbing Equipment Vork	1,430,000				400,000	19.2+	
				•		55	Handiing Expenses	3,026,030				3,026,000		
				3,524,600			TOTAL	16,276,000				12,351,699		
	1	-				52	Building Work	495.000	1	l		485,000		
	ĺ	- 1			İ	1	Temporary Work	485,000		SEE	1	455,900		
I	25	22		126,000	1	2	Foundation Work	583,930	i	<u> </u>		_		
		١	i			3	Vood Vork	5,267,590		\		5,267,599		
	1	- 1	- {			•	Roofing & Steel Retail Work	884,000	1			834,000		
		١	l	136,100		5	Tile Vork	205,300	1	-]]	63,200		
	1		ļ	25,930		6	PlasterSug	318,420	1	•		242,500	Į .	
				€93,200		,	Auto-claved Light-weight Concrete Vork	601,600	1	-		153,400		
	ļ	ı		574,000	1		Aluminium Sash	100,000	1	-		126,000		
	1	ı			l	,	Vocden Fixtures	360,000	, 1	1 -	1	369,000	1	
	ı	1		81,400	·	10	Claring Work	110,600				28,633		
	1			85,500		,,	Painting Vork	292,300	, l	1		114,600	1	
				409,500		,,	Interior Finish Vork	630,066	, ,	-		220,500		
				315,000	Į.	13		450,00	,	İ		135,000	1	
				2,206,500	,		101AL	10,735,00	Ŋ			8,589,420		
					1],	Main Building						ļ	
		1	1		Į.	١,	Temporary Work	1	1	541	1	485,000	-	
							SUB-TOTAL					455,000		
						,	Foundation Work		١,	set		205,200	,	
3	١,	t.	15,000	93,00	<u>ار</u>	i	Cement		Į	1	1		ı	
				l	i		labor Cost 0.03	1	12	-1	1,500	18,000	١,	
9.5	, ,	ŧ	60,000	36,00	0.0	%	Je in force seat		1	İ	1		ļ	
]		1		Labor Cost 0.05		0.4		45,000	27,000	,	
	1		1	1			Holding Sex 0.31	1	61	_,	2,900			
							Plasteelag Vork 0.05		72	- 1	νx	1	1	
				126,00	١		\$23-10TAL					655,90	,	

APPENDIX - B

Foreign Corrency					Building Facility			Eccal Currency					
ter	Unit	Unit Price	Cost	Re- marks		Name	Cost	Num- ter	Unit	Unit Price	Cost	P.e. marks	
					3	Yood Vork							
		1				Stroctural Finishing Carpentry		32	۱.	15,000	2,499,000		
:		ļ				Labor Work		319		8,500	2,711,599		
			·			¥ails		,	5et	,,,,	156,000		
						SUB-TOTAL					5,267,500		
					4	Poofing & Steel Metal Work		1%	a²	6,590	884,000		
!						SUB-TOTAL					884,000		
		ļ			5	Tile Vark							
7	32	1,000	28,000			Bessie Tile (floor)		٠		2,000	14,600		
23	"	s_799	103,100			ćo (va)1)		23	-	2,699	55,209	i	
			136,100			SUB-TOTAL					61,790		
					6	Plastering							
4.21	L	18,000	25,900			Plastering Work Labor Cost		250	•,	970	242,593		
			25,9 00			SIB-TOTAL					242,500		
					,	Auto-claved Light-weight Concrete Work							
126	2,	3,200	493,200			Pater[a]							
						Labor Cost		124	_ 2	1,600	158,400		
			493,200			SEB-TOTAL					198,400		
					8	Aluniaum Sasia	I						
ı	set		574,060	j	1	Aluminus Sash				1			
				1		Labor Cost		,	set	:	126,600		
		!	574,000	· -		SEB-TOTAL					126,030		
		ļ		İ	,	Vooden Flutures	Ì		1				
				ļ	1	Door		31	, ,,	17,5X	315,000		
						tabor Cost .	Ī	11	, þ1,	e 2,500	45,000		
			315,000	,	Ì	SES-TOTAL					×0,000		
				1	10	Claries Vork							
١,	set		81,43	,	1	Glaries Work	1		1 50	.]	28,600		
			81,43	1		SIB-TOTAL					28,600	,	
		1			11	Painting Work		İ					
137	.,	450	85,50	,		Steel Part Oil Palating		2.	s t	12,00	00,00	,	
ı	1	1				Frodes Part Oil Painting	1	59		35	20,30	。	

APPENDIX - B

, <u></u>		Fe	czelga Ci	игелсу	<u>I</u>		Building Facility				Local Cu	rièncy	
Nome ber	Unit		tivit Price	Cost	Re- marks		Name	Cost	Num ber	Uvit	Unit Price	Cost	Pe- marks
		1					Aceylic Sesia		190	B [‡]	350	66,500	1
				85,500			JATOT-E12					116,800	ł
			İ	429,500		12	interior fiels York		١,	set		220,500	
1	5*	1									1	220,500	
		1	1	409,500			SUB-TOTAL			1		220,333	
						1)	Miscellaneous Vorks						
2	58	١,		315,609			රා		1	set		135,000	
		۱		315,000			SIB-TOTAL				ļ	135,000	
	İ	1								1			
İ		۱				53	Electrical Installation Vork				1]
V eco			endråt flige • Selectede lø	 . 190,000		١,	Lighting & Receptable System	2 30 ,000	,			42,603	
						2	Telephone Piping	28,000	·			19,600	
			teleg Gelen Po Califa P c., Gandalis	20,000	1	3	T.W. Farty-line System	25,000	·		İ	5,000	
Series of	(alta La Nar.	. Com	c, Gm8dE 1 448 34	228,600			GRAND TOTAL	283,000	,			55,000	
					İ				1				
		ł	!			54	Plumbing Equipment Fork	1			1] !
ļ				78,000		,	fluoding Equipment Fork	130,00	,			52,000	
İ	Ì	Ì				2	Vater Tover Station Work				1	ļ	1
				160,000	·	1	Tump	200,00	۰	1	1	49,000	1
l		-		289,000	·	3	Vater Supply Installation Vork	600,00	°			120,000	· [
1					ı	١,	Bot Vater Supply	<u> </u>		ĺ	Ì		
				210,09	,	5	Drainage & Venting	300,00	۰			90,000	•
						6	Fire Extinguishing	-	Ì				
Ì				55,00	,	,	Equipment US (establation Fork	70,00			1	14,000	,
				260,00		8		339,00				60,000	i
İ			1			,		-		1	1		1
				66,00	ا،	10	1	99,00	ø		Į	24,00	,
				1,090,00	٥		TOTAL	1,493,00	»			490,00	,
						١.	Plumbing Equipment Vork					1	
1				79,00	ا،	'	Sanitary Fixters	1		١.	1	ļ	
				8.00	1		Cock (Fascet)				-		
				1		Ì	Labor Cost			1 44	.	52,00	ا ه
]	18,00	اه		SCB-TOTAL	1,0,0	20			52,00	٥
						,	Water Tower Station						
				160,03	»		Pusp				ĺ		
			1	<u> </u>		<u>l</u>					1		

APPENDIX - B

		Fortign Cu	erency		Building Facility			Local Contents					
ter	Unit	Unit Price	Cost	Re- marks		Narra	Cost	Num	Usi	Unit Frice	Cost	Per marks	
		·				Labor Cost					42,000	-	
			169,000			SE3-TOTAL	260,000				49,000		
,											43,023		
		l			3	Valer Supply Installation York							
	:		90,000			Tinyl Hipe							
			30,000			Joint and Others			1				
			30,600			Valve						1	
			50,000 80,000			Anti-dev Exterisis							
			80,000			Miscellaneous							
						Labor Cost					120,000		
			280,000			SLB-TOTAL	499,660				120,000		
					4	Bot Vater Supply	_]					
					5	Prainage & Venting							
			67,000			Installation Work Drainage Pige Fittings							
			15,000	i .		Visyl Chloride Fittings				1			
			8,000			Grafage Leaden Fige	ł						
						fittlegs	l					l	
			30,600	1		Crainige Cast Iron Fige							
			20,699			Metal							
			17,607 69,000			Anti-dev Katerials Miscellaneous	İ	1					
			03,03	Į.		labor Cest		١,	set				
			219,039	ĺ					**		50,000		
			210,000			SES-TOTAL	300,000	l	İ		53,000	1	
					۱	fire Extinguishing feris-	-						
		1			١,	UG lestelletion Pork	1					İ	
			35,600	Į.		Joint and Ceders				Ì			
			7,000			Talve			1			1	
			14,000			Macliaceous							
						Lebor Cest		1	set		14,090	,	
			56,000			SIB-TOTAL	20,000			1	15,000		
					8	Consta Tool						İ	
			245,000		•	Septic Tank Vater Tank (5 persons)					ĺ		
			245,005			Labor Cest	1	,	\$28	1	69,660		
						i			["			1	
			\$49,000	'		SEB-TOTAL	300,000				60,000	Ί	
					,	Cooling Installation							
					19	Teatilating System	-						
3		22,000	65,000		1	Teatiletica far	I	1		1	I		

APPENDIX - B

		Foreign C	briency		Building Facility			Local Currency					
yre.	Unit	Unit Price	Cost	Re- marks		Nate	Cost	North ber	Ųnit	Unit Price	Cost	Pe marks	
						Labor Cost					24,000	,	
			65,000			SUB-TOTAL	90,900	.			24,000		
	'		3,524,600			TOTAL	15,276,000			1	12,751,699		
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