Appendix Ⅱ Minutes of Discussion

MINUTES OF DISCUSSIONS
ON
THE CONSTRUCTION PROJECT OF FOOD GRAIN
STORAGE IN THE PEOPLE'S REPUBLIC OF
BANGLADESH

In response to the request made by the People's Republic of Bangladesh for the basic design study on the construction project of Food grain Storage in the People's Republic of Bangladesh (hereinafter referred to as "the project"), the Government of Japan has dispatched, through Japan International Cooperation Agency (hereinafter referred to as "JICA"), a Study team headed by Mr. Yukio Ishiwata, Deputy Director, Purchase Div., Operation Dept., Food Agency, Ministry of Agriculture, Forestry and Fisheries to carry out the basic design study from April 8 to 21, 1982.

The study is executed for the purpose of survey on the existing condition of construction plan of Food grain storages and examin the justifications of further construction in Bangladesh.

The team has conducted the field survey and held a series of discussions and exchanged views with the Bangladesh authorities concerned as to the project.

As a result of the survey and discussions, the Japanese Study Team and the Bangladesh authorities agreed to recommend to their respective governments to examine the results of the discussions attached herewith toward the realization of the project.

April 27, 1982.

S. Ahmed 19.4.82
Mr. Syed Ahmed,
Joint Secretary (P&D)
Ministry of Food
Food Division.

Yukio Ishiwata 19-4-82
(YUKIO ISHIWATA)
Team Leader
Basic Design Study Team
Japan International
Cooperation Agency.

Attachment:

(1) The purpose of Foodgrain storage construction is to increase the storing capacity of food and to establish the stable supply of food.

(2) The construction sites will be selected on the basis of the study on following items:

(a) Final request by the Government of Bangladesh as mentioned in the appendix;

(b) Survey of the existing physical condition of sites;

(c) Necessary conditions to be satisfied for executing the construction of foodgrain storages;

(d) Necessity of the construction of foodgrain storages from point of view of the study on existing utilizing condition and future development plan of foodgrain storages.

(3) For the purpose of basis design study, a Foodgrain storage will be designed as follows:

(a) Dacca type will be followed in dimension;

(b) According to the preceding (a), the storing efficiency will be partially changed.

(4) The Government of Bangladesh will take the necessary measures on condition that the grant assistance by the Government of Japan is extended to the Project;

1) To prepare necessary documents, maps, drawings and other informations when necessary.

2) To secure a plot of land necessary for the construction of facilities and to clear, fill and level the site as needed before the commencement of construction.

3) To extend utility services such as electric power, water, and other incidental facilities to the site before the commencement of construction in the sites.

4) To provide exterior construction work such as back filling of soil, access road, drainage ditch and trench etc. during the construction and before the completion of construction .

5) To ensure prompt unloading and customs clearance in Bangladesh of imported materials and equipment for the construction and also to facilitate the internal transportation for them .

6) To exempt Japanese nationals concerned from customs duties, internal taxes and other fiscal levies which may be imposed in Bangladesh on the occasion of the supply of materials and services for construction.

7) To provide and accord necessary permissions, licence and other authorization required for carrying out the project .

8) To co-ordinate with the officials and organizations concerned.

9) To maintain and use properly and effectively the facilities constructed under the grant.

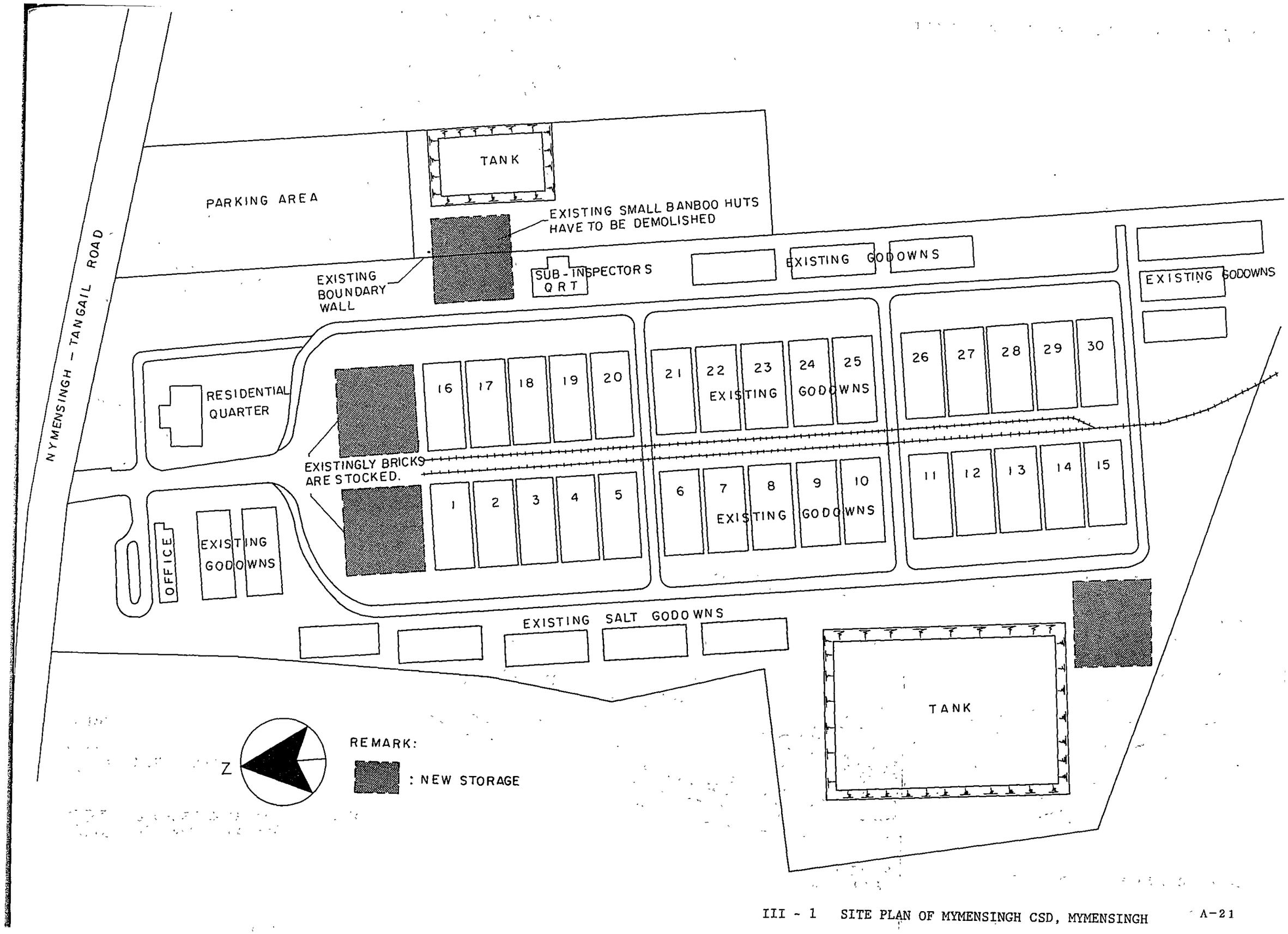
(5) The basic design will be made in consideration of the above mentioned study .

Appendix

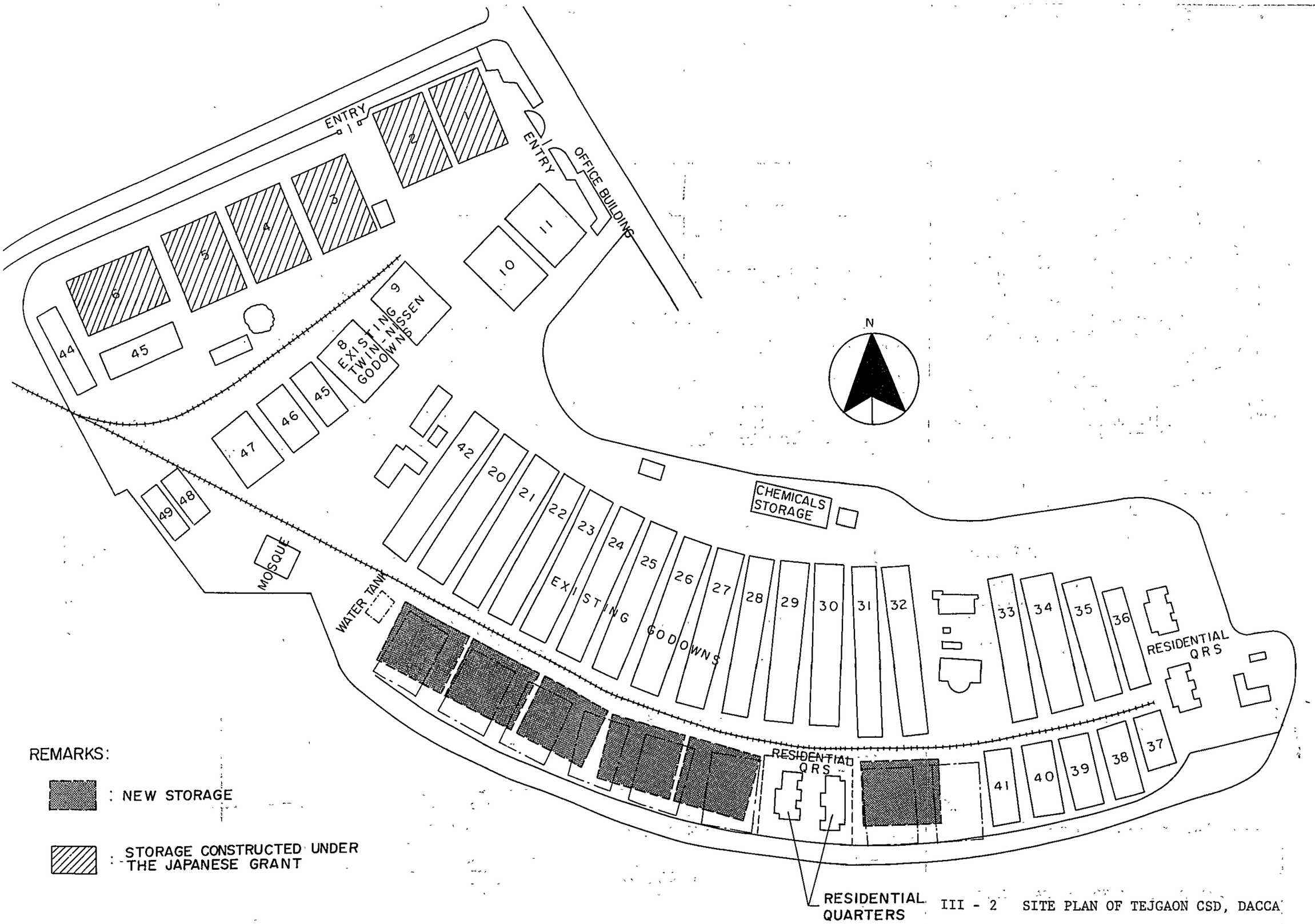
RESULT OF SURVEY

Name of Site	CLASSIFICATION A	B	C	Requested number of storages by G/O Bangladesh	Requested priority for construction by G/O Bangladesh
SANTAHAR C.S.D	3	4		6	4th
HALISHAHAR C.S.D	4			4	5th
MYMENSINGH C.S.D	3	2		4	1st
TEJGAON C.S.D			6	6	2nd
MULADULI C.S.D	8			5	7th
BOYRA C.S.D			10	10	3rd
DINAJPUR LSD				10	6th
				45	

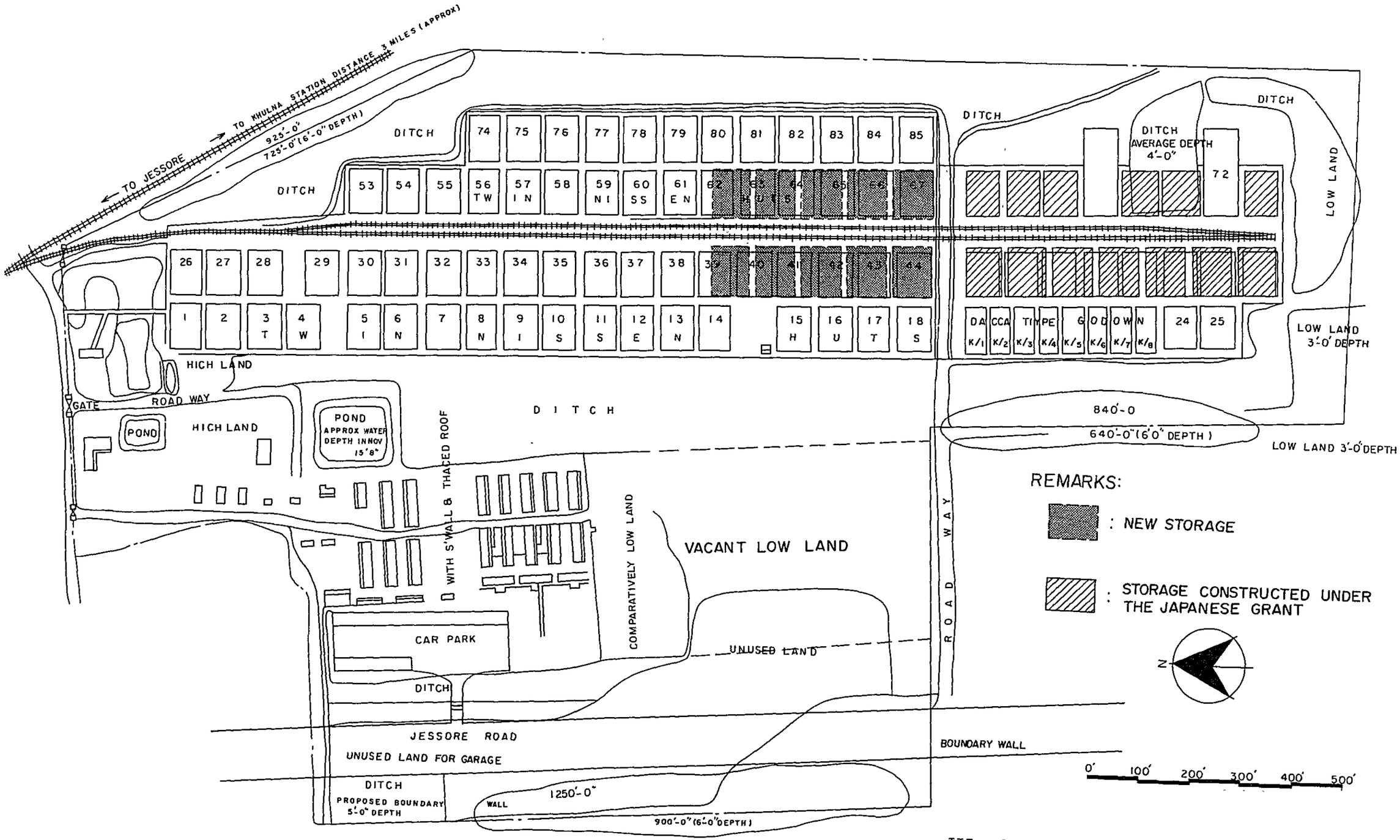
Appendix Ⅲ　配置図と食糧倉庫設計図



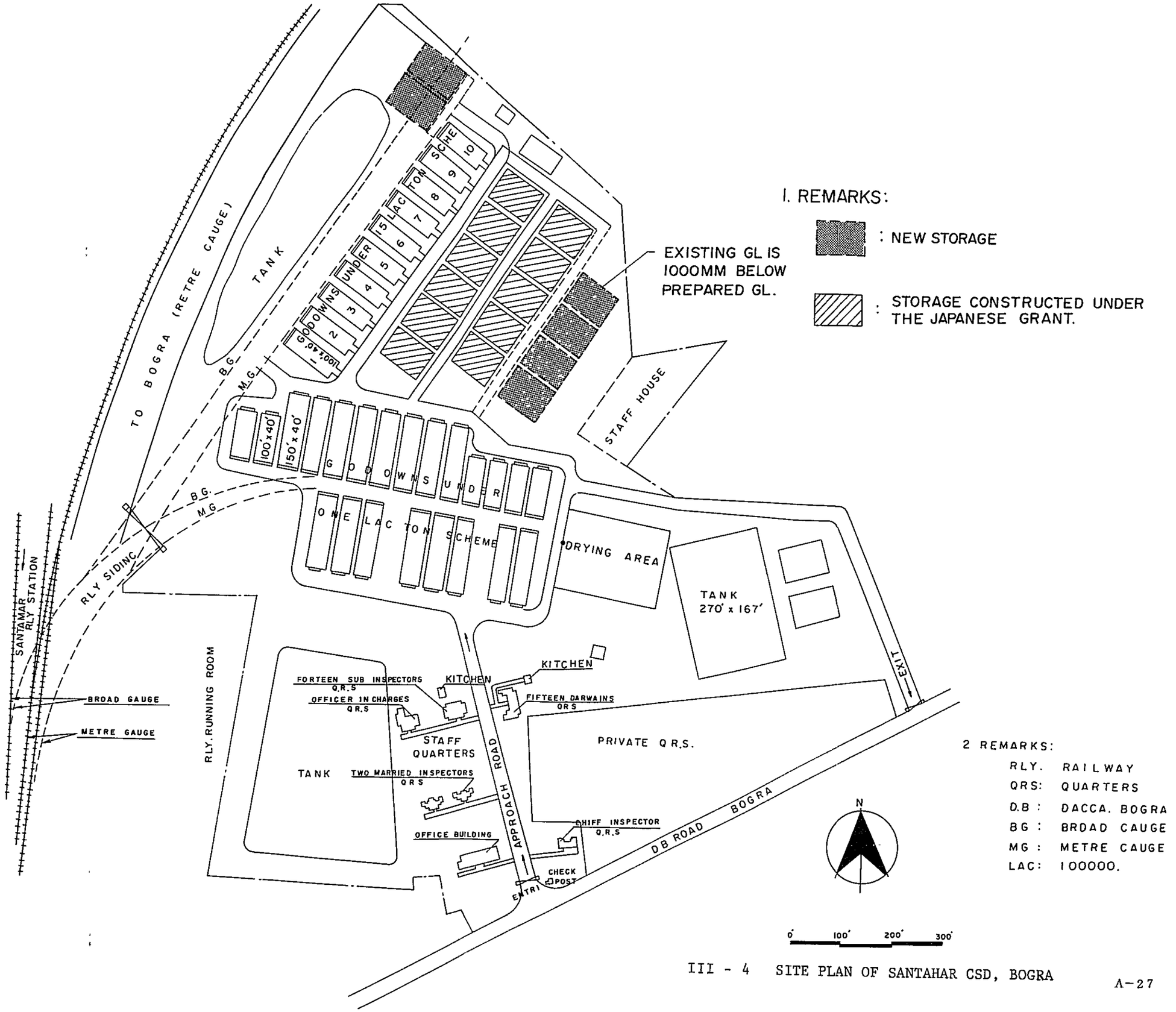
III - 1 SITE PLAN OF MYMENSINGH CSD, MYMENSINGH



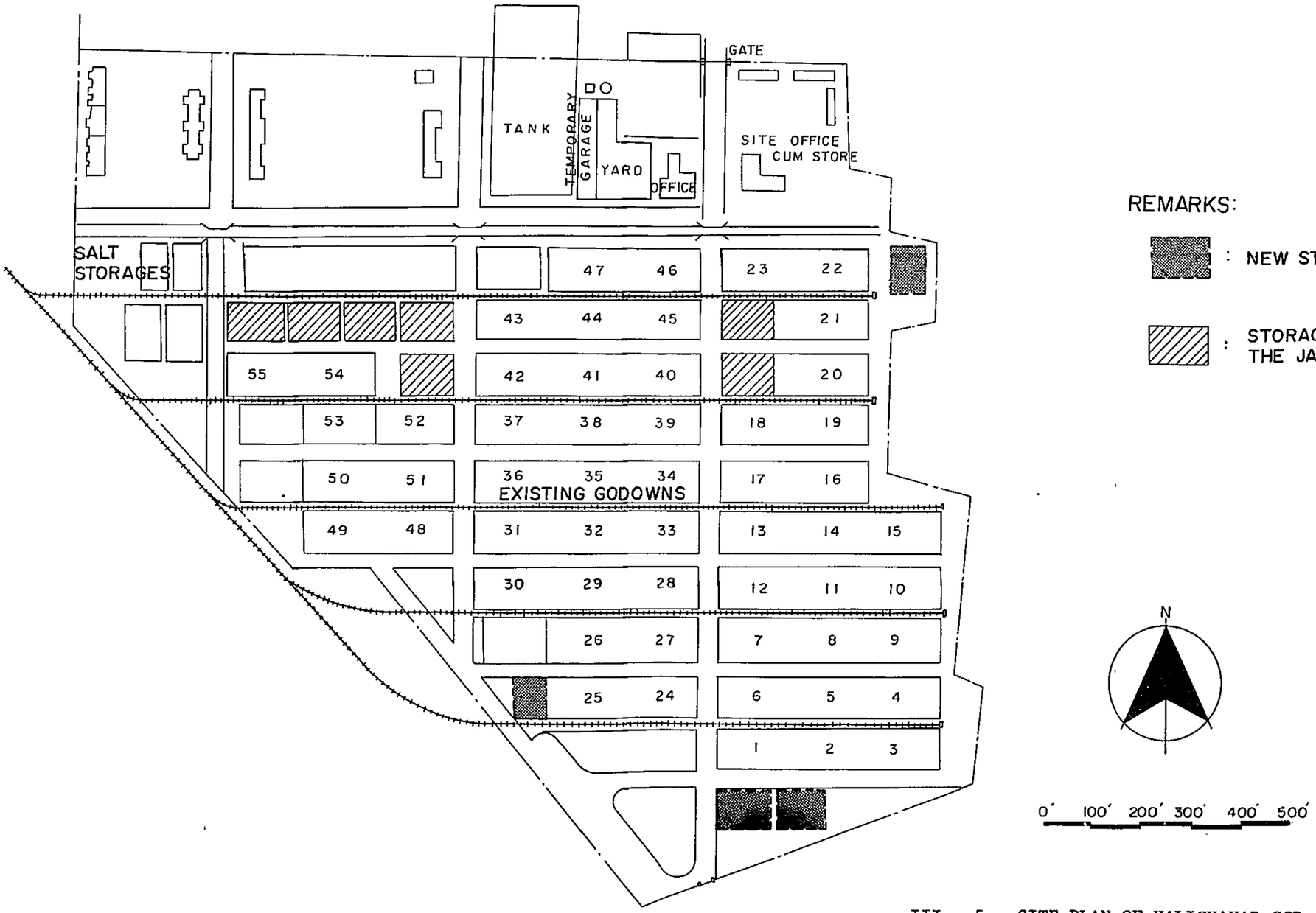
III - 2 SITE PLAN OF TEJGAON CSD, DACCA



III - 3 SITE PLAN OF BOYRA CSD, KHULNA



III - 4 SITE PLAN OF SANTAHAR CSD, BOGRA

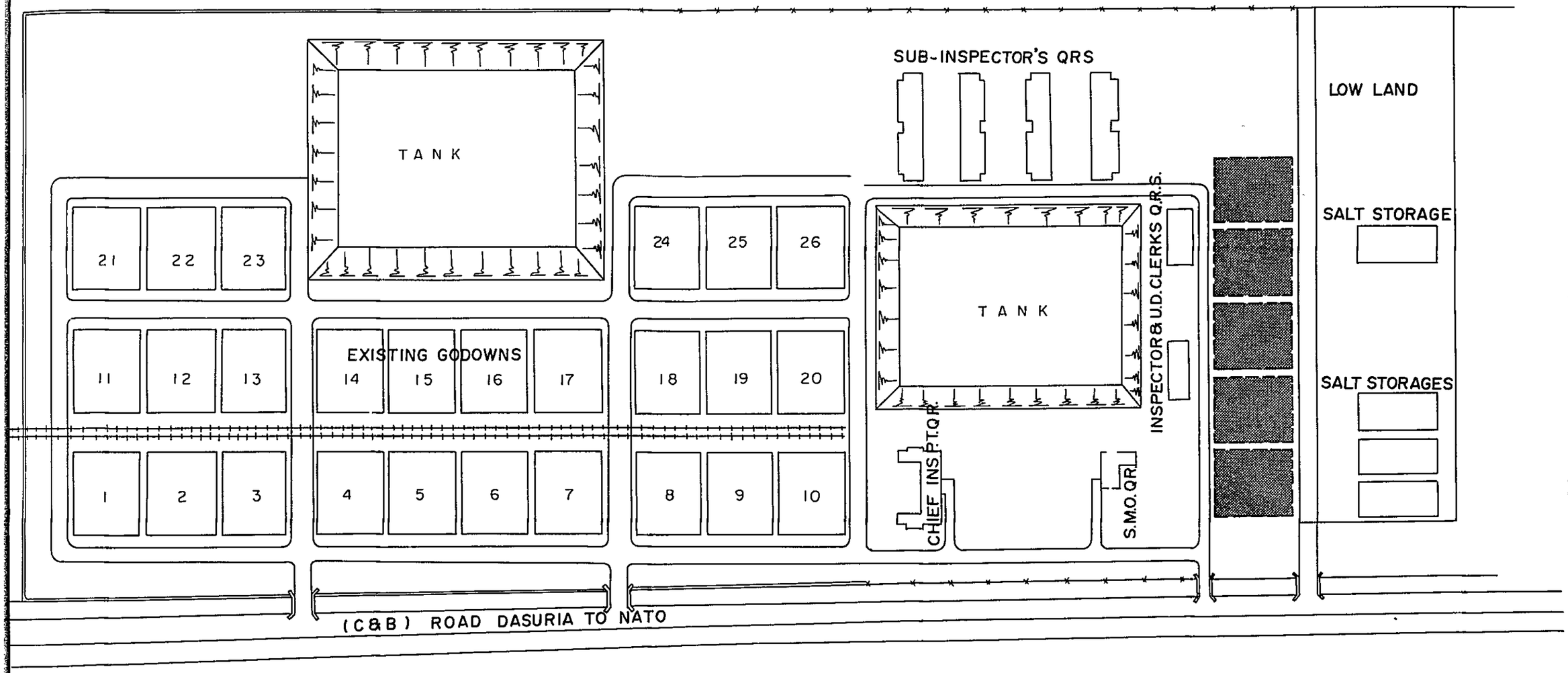


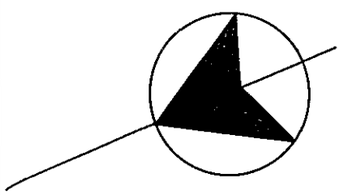
REMARKS:

: NEW STORAGE

: STORAGE CONSTRUCTED UNDER THE JAPANESE GRANT.

III - 5 SITE PLAN OF HALISHAHAR CSD, CHITTAGONG

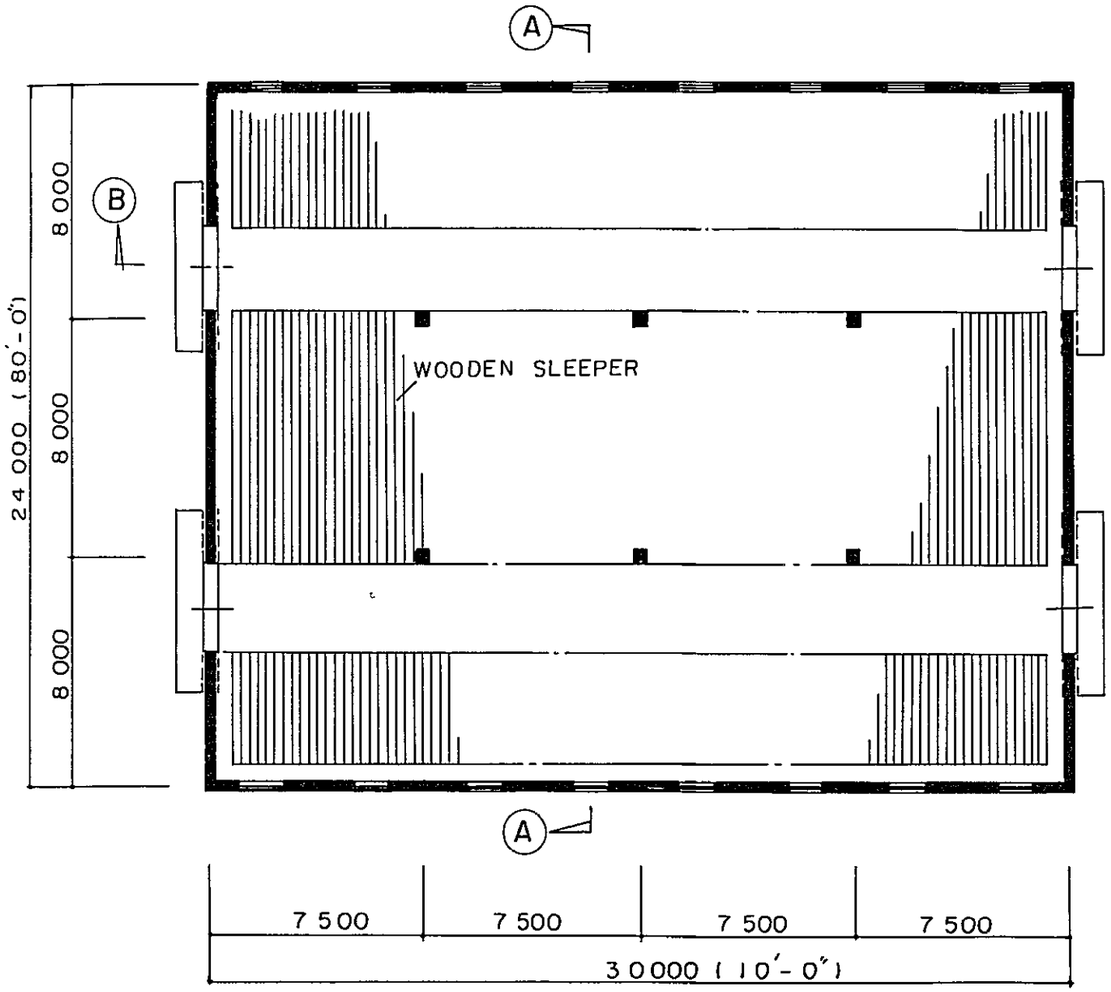




REMARK

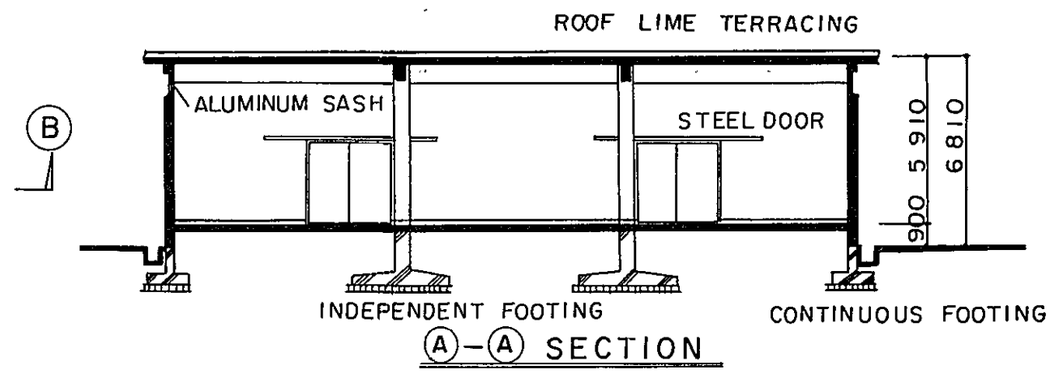
: NEW STORAGE

III - 6 SITE PLAN OF MULADULI CSD, PABNA

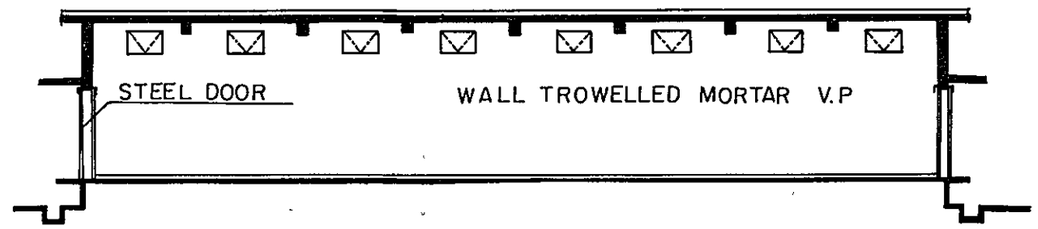


TYPE-A

PLAN OF STORAGE S=1:200

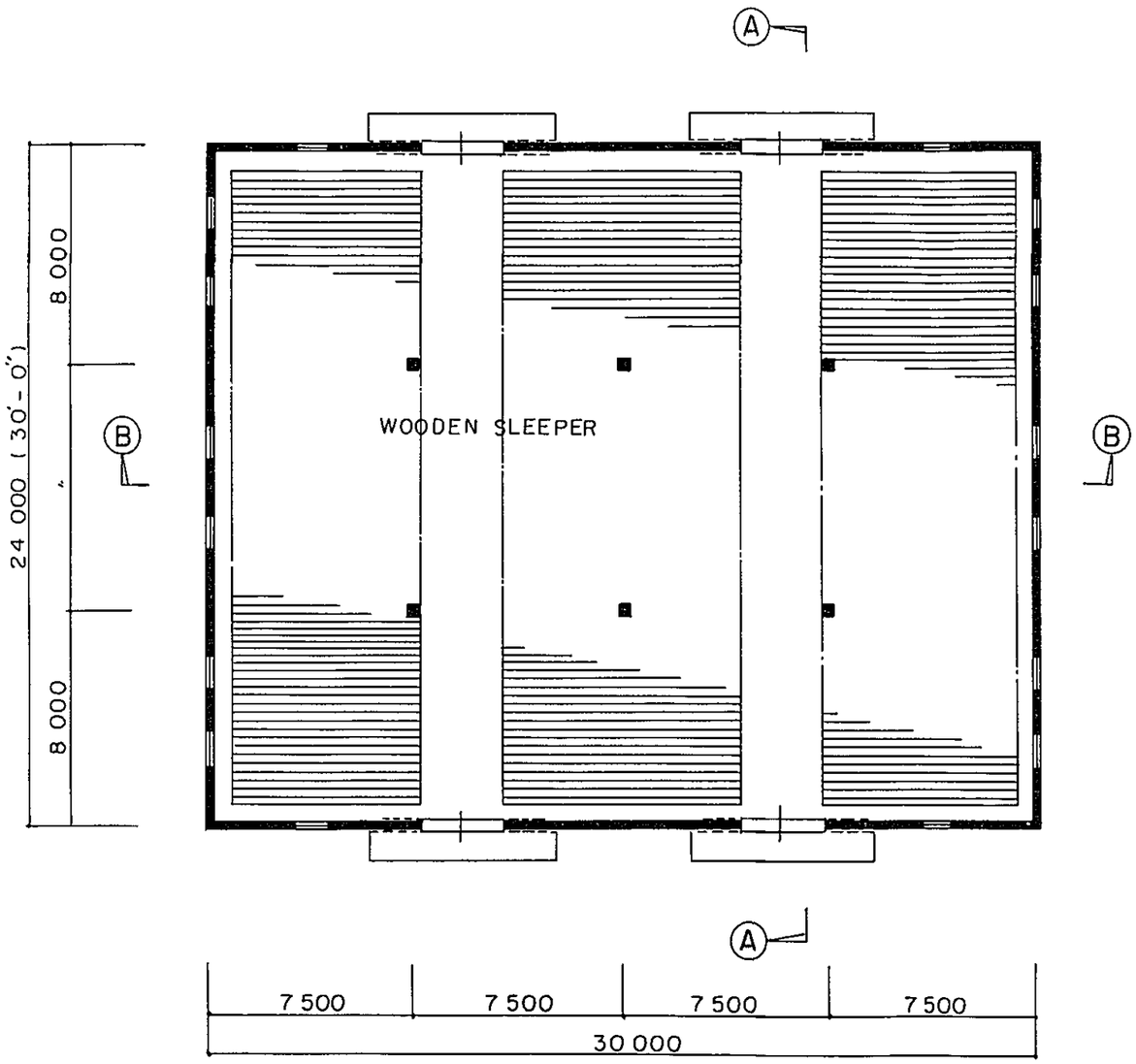


Ⓐ–Ⓐ SECTION



Ⓑ–Ⓑ SECTION S=1:200

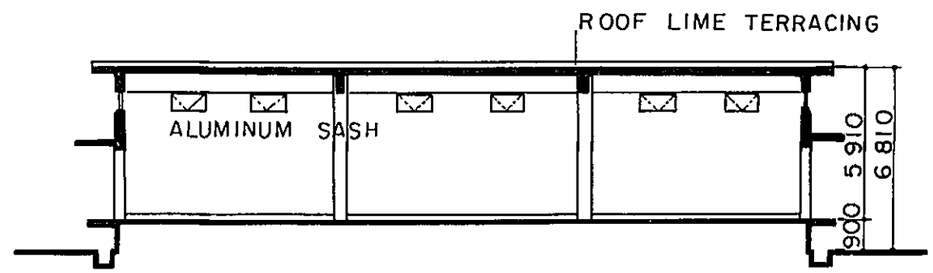
III - 7 PLAN OF STORAGE, TYPE-A



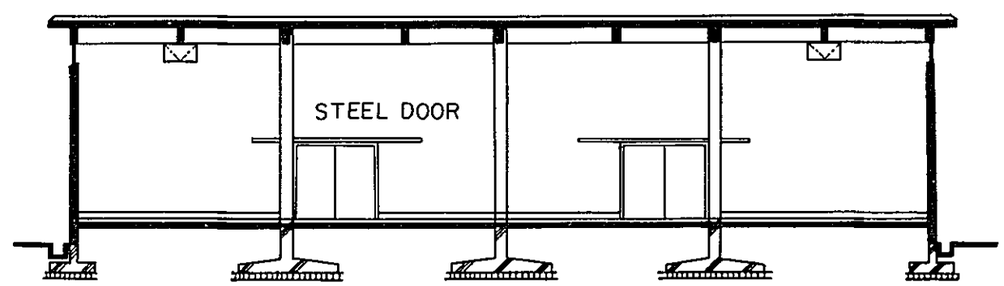
TYPE – B

PLAN OF STORAGE

S=1:200



Ⓐ – Ⓐ SECTION



Ⓑ – Ⓑ SECTION

III - 8 PLAN OF STORAGE, TYPE-B

Appendix Ⅳ　外国援助による食糧倉庫建設の概要

A. Outline of Foodgrain Storage Construction Project under Foreign Aid

1. IDA-credit Second Foodgrain Storage Project (Revised Scheme)

(1) Administrative authorities

Sponsoring ; Ministry of Food

Execution ; Project Implementation Unit (PIU) under the Director General of Food and the Project Engineering & Construction Unit (PECU) within the PWD

Operation & Maintenance ; Directorate of Supply, Distribution & Rationing and Directorate of Procurement

(2) Location of the Project

Bogra, Dinajpur, Rajshahi Rangpur, Mymensingh, Sylhet & Jamalpur

(3) Proposed date

Commencement ; 1. 7. 1978

Completion ; 30. 6. 1983

(4) Consultant

1) Local Pan build
Updesta Anushad
Eye Consultant

2) Foreign Mr. Haruo Miyaishi for paddy drying & procurement
Mr. J. A. Conway for storage & pest control

(5) Construction contractor (not turnkey)

1) Local Project Engineering Construction Unit (PECU) of PWD
Other selected contractors through tender

2) Foreign

(6) Economic life of the Project ; 30 - 40 years

COST ESTIMATE for IDA Project
prepared by PWD on 14th January, 1982 (1$ = 19TK)

Item of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Pre-construction expenditure	12,945,000	—	12,945,000
a) Land aquisition	9,000,000	—	9,000,000
b) Land development	3,945,000	—	3,945,000
II. Construction work	522,175,000	62,800,000	584,975,000
a) New godowns (145,000 tons)	433,300,000	45,200,000	478,500,000
b) Rehabilitation of Twin Nissen	14,000,000	—	14,000,000
c) Paddy drier, Residential buildings and others	12,500,000	—	12,500,000
d) Roads, water supply, staff quaters, etc.	60,000,000	17,600,000	77,600,000
e) Electrifications	2,375,000	—	2,375,000
III. Machinery & equipment	16,108,000	17,515,000	33,623,000
a) C & F cost	—	17,515,000	17,515,000
b) Duties & Taxes	13,356,000	—	13,356,000
c) L/C, Insurance, Landing charge	544,000	—	544,000
d) Locally purchased machinery & equipment	2,208,000	—	2,208,000
IV. Other cost	22,890,000	28,660,000	51,550,000
a) Installation of paddy driers & other equipments	4,000,000	—	4,000,000
b) PIU & Monitoring Cell	2,240,000	—	2,240,000
c) Study & Evaluation	410,000	—	410,000
d) Consultance & Training	4,000,000	11,000,000	15,000,000
e) TCCA pilot project	700,000	350,000	1,050,000
f) Unforeseen cost	11,540,000	17,310,000	28,850,000
Total Cost (I, II, III & IV)	574,118,000	108,975,000	683,093,000

Annual operating/Recurring Cost for IDA Project prepared by PWD			
Items of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Raw materials and supplies	1,120,000	—	1,120,000
a) Locally procured/produced raw materials, supplies and spares	1,120,000	—	1,120,000
II. Fuel	730,000	—	730,000
a) Local fuels and power	730,000	—	730,000
III. Labour Cost	3,000,000	—	3,000,000
a) Local technical and administrative staff	3,000,000	—	3,000,000
IV. Other Cost	2,150,000	3,000,000	5,150,000
a) Maintenance	2,000,000	3,000,000	5,000,000
b) Contingencies	100,000	—	100,000
c) Tax for land	50,000	—	50,000
Total of I, II, III & IV	7,000,000	3,000,000	10,000,000

I. Comparative cost estimates of the original and revised schemes for IDA Project prepared by PWD

(Unit: Lakh TK)

Items	Original Estimate			Revised Estimate		
	Local	Foreign Exchange	Total	Local	Foreign Exchange	Total
1. Land acquisition	52.50	-	52.50	90.00	-	90.00
2. Land development	39.45	-	39.45	39.45	-	39.45
3. Func. Buildings	1056.00	1584.00	2640.00	4333.00	452.00	4785.00
4. Rehabilitation	55.20	29.80	85.00	140.00	-	140.00
5. Ancillaries	341.38	492.82	834.20	748.75	176.00	924.75
6. C & F Cost	-	345.00	345.00	-	175.15	175.15
7. Duties & Taxes (Including other charges)	346.00	-	346.00	139.00	-	139.00
8. Consultancy	27.40	103.00	103.00	40.00	110.00	150.00
9. Others	587.74	265.74	853.78	210.98	176.60	387.58
Total	2505.67	2820.40	5326.07	5741.18	1089.75	6830.93

II. Give reasons for the revision in Cost estimate

Reasons for Revision

1. Increase in the Project Cost due to price escalation and inflations etc.

2. Extention of project duration because of the post delays in project implementation.

3. Inadequate ADP allocation & late start of work.

4. Poor physical progress by the implementation agencies.

2. ADB-credit Foodgrain Storage Project

(1) Administrative authorities

Sponsoring ; Ministry of Food

Execution ; Directorate of Procurement and the Planning & Evaluation Cell

Operation & Maintenance ; Directorate of Procurement

(2) Location of the Project

Barisal & Patuakhali

(3) Proposed date

Commencement ; 1. 7. 1979

Completion ; 30. 6. 1983

(4) Consultant ; (not mentioned)

(5) Construction Contractor ; (not mentioned)

(6) Economic life of the Project ; 30 years

COST ESTIMATE for ADB Project
prepared by PWD on 1st May, 1980 (1$ = 15.5TK)

Items of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Pre-construction expenditure	2,400,000	—	2,400,000
a) Land acquisition	1,600,000	—	1,600,000
b) Land development	800,000	—	800,000
II. Construction work	81,300,000	34,275,000	115,575,000
a) New godowns (62,000 tons)	69,350,000	31,350,000	100,700,000
b) Office with O/C.LSD quarters	5,000,000	1,000,000	6,000,000
c) Assistant Sub-inspector quarters	3,000,000	1,000,000	4,000,000
d) Darwan sheds	1,000,000	500,000	1,500,000
e) Roads and boundary walls etc.	2,000,000	425,000	2,425,000
f) Electrification	450,000	—	450,000
g) Water & other facilities	500,000	—	500,000
III. Machinery & equipment	13,015,000	8,985,000	22,000,000
a) C & F cost	—	8,985,000	8,985,000
b) Duties & Taxes	12,300,000	—	12,300,000
c) Landing charges	225,000	—	225,000
d) Locally procured vehicles & cycles	490,000	—	490,000
IV. Other cost	2,145,000	6,480,000	8,625,000
a) Installation charges	500,000	—	500,000
b) Evaluation Study	1,000,000	—	1,000,000
c) Operational cost of vehicles and speed boats	645,000	—	645,000
d) Consultancy service soil expert	—	810,000	810,000
e) Construction Engineer	—	5,670,000	5,670,000
Total Cost (I, II, III & IV)	98,860,000	49,740,000	148,600,000

Annual Operating/Recurring Cost for ADB Project prepared by PWD			
Items of Cost	Local Currency	Foreign Currency	Total
I. Raw materials and supplies	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
II. Fuel and Power	DO.	DO.	DO.
III. Labour Cost	TK 1,300,000	TK —	TK 1,300,000
a) Local technical and administrative staff	1,000,000	—	1,000,000
b) Skilled labour	60,000	—	60,000
c) Unskilled labour	240,000	—	240,000
IV. Other Cost	2,200,000	—	2,200,000
a) Maintenance	1,800,000	—	1,800,000
b) Contingencies	300,000	—	300,000
c) Taxes	100,000	—	100,000
Total of I, II, III & IV	3,500,000		3,500,000

3. E.C.-grant Food Storage Godown Project

(1) Administrative authorities

Sponsoring ; Ministry of Food

Execution ; - do -

Operation & Maintenance ; Department of Movement and Storage, Department of Procurement

(2) Location of the Project

Rangpur, Comilla, Noakhali, Sylhet, Faridpur, Pabna, Chittagong, Khulna & Noakhali

(3) Proposed date

Commencement ; 1. 1. 1981

Completion ; 30. 6. 1983

(4) Consultant ; To be decided later on

(5) Construction contractor (not turnkey) ; To be decided through tender

(6) Economic life of the Project ; 40 years

COST ESTIMATE for EC Project prepared by PWD in September, 1980 (1$ = 15.5TK)			
Items of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Pre-construction work	4,290,000	—	4,290,000
a) Land acquisition	3,300,000	—	3,300,000
b) Land development	990,000	—	990,000
II. Construction work	39,000,000	—	39,000,000
a) New godowns (50,000 tons)	32,000,000	—	32,000,000
b) Staff quarters	4,500,000	—	4,500,000
c) Roads and boundary wall etc.	1,000,000	—	1,000,000
d) Electrification	500,000	—	500,000
e) Water and other facilities	1,000,000	—	1,000,000
III. Machinery & equipment	55,000,000	49,200,000	104,200,000
a) C & F cost	—	49,200,000	49,200,000
b) Duties and taxes	49,200,000	—	49,200,000
c) Landing & carrying charges	5,800,000	—	5,800,000
IV. Other cost	22,851,000	9,072,000	31,923,000
a) Evaluation study	1,433,000	—	1,433,000
b) Consultancy service	1,302,000	5,208,000	6,510,000
c) Consultant engineer	5,796,000	3,864,000	9,660,000
d) Price escalation	14,320,000	—	14,320,000
Total of I, II, III & IV	121,141,000	58,272,000	179,413,000

Annual Operating/Recurring Cost for E.C. Project prepared by PWD			
Items of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Raw materials and supply	—	—	—
a) Imported raw materials, supplies and spares	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
II. Fuel and power	—	—	—
a) Foreign	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
III. Labour cost	708,000	—	708,000
a) Local technical and administrative staff	708,000	—	708,000
IV. Other cost	2,675,000	—	2,675,000
a) Confingencies	675,000	—	675,000
b) Maintenance	2,000,000	—	2,000,000
Total of I, II, III & IV	3,383,000	—	3,383,000

4. Netherlands-grant Food Storage Project (Revised Scheme)

(1) Administrative authorities

Sponsoring ; Ministry of Food

Execusion ; Planning & Implementation Cell, Ministry of Food

Operation & Maintenance ; Directorate of Supply, Distribution & Rationing

(2) Location of the Project

Noakhali & Comilla

(3) Proposed date

Commencement ; 8. 8. 1979

Completion ; 30. 6. 1983

(4) Consultant

1) Local Heertent Hagua
Engineering Consultant & Associates Ltd.

2) Foreign NIL

(5) Construction contractor (not turnkey)

1) Local Mowla Engineering Corporation
Fakir Engineer
Al-Baladil Amin
Techoon Ltd.
Helal Engineering Corporation
Mafiz & Co.
Abdul Matin
H.R.C.A. & Dev. Eng.
Y.S.A. Associates Ltd.
J.S.M. & Engineers Ltd.
United Corporation Ltd.

2) Foreign NIL

(6) Economic life of the Project ; 25 - 30 years

COST ESTIMATE for Netherland Project prepared by PWD on 15th June, 1981 (1$ = 15.5TK)			
Items of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Pre-construction expenditure	2,500,000	—	2,500,000
a) Local acquisition	750,000	—	750,000
b) Local development	1,750,000	—	1,750,000
II. Construction work	42,500,000	—	42,500,000
a) New godowns (14,000 tons)	29,000,000	—	29,000,000
b) Staff guarters	6,500,000	—	6,500,000
c) Roads access/Internal	3,500,000	—	3,500,000
d) Boundary walls	2,800,000	—	2,800,000
e) Electrification	700,000	—	700,000
III. Machinery & equipment	—	—	—
a) Imported machinery and equipment	NIL	NIL	NIL
b) Locally produced machinery and equipment	DO.	DO.	DO.
IV. Other cost	—	—	—
a) Unforeseen cost	NIL	NIL	NIL
b) Miscellaneous	DO.	DO.	DO.
Total of I, II, III & IV	74,000,000	—	74,000,000

Annual Operating/Recurring Cost for Netherland Project prepared by PWD			
Items of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Raw materials and supplies	—	—	—
a) Imported raw materials, supplies and spares	NIL	NIL	NIL
b) Locally produced raw materials, supplies and spares	DO.	DO.	DO.
II. Fuel and power	—	—	—
a) Foreign	NIL	NIL	NIL
b) Local	DO.	DO.	DO.
III. Labour cost	50,000	—	50,000
a) Local technical and administrative staff	50,000	—	50,000
IV. Other cost	250,000	—	250,000
a) Maintenance	200,000	—	200,000
b) Contingencies	50,000	—	50,000
Total of I, II, III & IV	300,000	—	300,000

I. Comparative cost estimates of the original and revised schemes for Netherland Project prepared by PWD

(Unit: Lakh TK)

Items	Original Estimate			Revised Estimate		
	Local	Foreign Exchange	Total	Local	Foreign Exchange	Total
1. Land acquisition	6.50	-	6.50	7.50	-	7.50
2. Land development	3.19	-	3.19	17.50	-	17.50
3. Functional Building	155.90	-	155.90	290.00	-	290.00
4. Road/Compoun wall/External service/elec-trification	15.00	-	15.00	70.00	-	70.00
5. Ancillaries (Staff quater)	29.10	-	29.10	65.00	-	65.00
6. Others	26.16	-	26.16	-	-	-
Total	235.85	-	235.85	450.00	-	450.00

II. Give reasons for the revision in cost estimate

Reasons for the revision

1. To consider the increased cost due to price escalation.

2. To increase the duration of the project.

3. Inclusion of increased amount of grant.

4. To implement the project through the donor instead of PWD.

5. To exchange the storage capacity.

5. CIDA (Canada)-grant Foodgrain Storage Project

(1) Administrative authorities

Sponsoring ; Ministry of Food
Execution ; Planning Cell, Ministry of Food
Operation & Maintenance ; Directorate of Procurement

(2) Location of the Project

Chittagong, Jessore, Tangail, Faridpur & Dacca

(3) Proposed date

Commencement ; 1. 1. 1981
Completion ; 30. 6. 1983

(4) Consultant ; To be decided later on

(5) Construction contractor (not turnkey) ; To be decided through tender

(6) Economic life of the Project ; 40 years

COST ESTIMATE for CIDA Project prepared by PWD on 12th June, 1980 (1$ = 15.5TK)			
Items of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Pre-construction work	4,100,000	—	4,100,000
a) Land acquisition	3,000,000	—	3,000,000
b) Land development	1,100,000	—	1,100,000
II. Construction work	62,000,000	—	62,000,000
a) New godowns (20,000 tons)	45,000,000	—	45,000,000
b) Residencial buildings	8,000,000	—	8,000,000
c) Roads-access & internal	5,000,000	—	5,000,000
d) Darwans shed	2,500,000	—	2,500,000
e) Compound wall	1,500,000	—	1,500,000
III. Machinery & equipment	2,000,000	—	2,000,000
a) Imported machinery & equipment	NOT MENTIONED	NOT MENTIONED	NOT MENTIONED
b) Locally procured machineries & vehicles	2,000,000	—	2,000,000
IV. Other cost	10,900,000	8,500,000	19,400,000
a) Evaluation Study	366,000	500,000	866,000
b) Consultants Fee	2,500,000	7,500,000	10,000,000
c) Training	450,000	500,000	950,000
d) Contingencies for consultants, construction work and other component	7,584,000	—	7,584,000
Total of I, II, III & IV	79,000,000	8,500,000	87,500,000

Annual Operating/Recurring Cost for CIDA Project prepared by PWD			
Items of Cost	Local Currency	Foreign Currency	Total
	TK	TK	TK
I. Raw materials and supplies	—	—	—
a) Imported raw materials supplies and spares	NIL	NIL	NIL
II. Fuel and power	—	—	—
a) Foreign	NIL	NIL	NIL
III. Labour cost	800,000	—	800,000
a) Local technical and administrative staff	800,000		800,000
IV. Other cost	1,100,000		1,100,000
a) Maintenance	1,000,000		1,000,000
b) Contingencies	100,000		100,000
Total of I, II, III & IV	1,900,000	—	1,900,000

B. Outline of Manpower Planning for Foodgrain Storage Project under Foreing Aid

1. IDA-Credit Foodgrain Storage Construction Project Prepared in January, 1982

(1) Number of proposed storages

173 LSDs (15 Districts)

500 tons/storage x 330 storages = 165,000 tons

(2) Manpower requirement for operation

	(Nos.)	(Scale of monthly payment (TK))
Chief Inspector	3	425 - 1035
Inspector	85	400 - 825
Sub-Inspector	85	300 - 540
Assistant Sub-Inspector	85	275 - 480
Darwans	170	225 - 315

(3) Extract taken from the recommendation of re-organization committee 1966 - 67

STAFF FOR LOCAL SUPPLY DEPOTS

The Committee has considered the matter in all aspects and examined the local officers on the spot in this connection and recommend and following standard for the purpose of determining the requirements.

SUGGESTION OF RE-ORGANISATION COMMITTEE

		C.I.	Insp.	S.I.	T.C. (A.S.I.)
1.	Capacity upto 500 tons	-	-	1	-
2.	Capacity between 501 & 1000 tons.	-	-	1	-
3.	Capacity between 1001 to 2000 tons	-	1	-	2
4.	Capacity between 2001 to 3000 tons	-	1	1	2
5.	Capacity between 3001 to 5000 tons	-	1	2	3
6.	Capacity between 5001 to 7000 tons	1	1	2	4
7.	Capacity above 7000 tons	1	2	3	5

8. 1 part-time sweeper for an L.S.D. having capacity upto 1000 tons.

9. 1 whole-time sweeper for an L.S.D. having capacity above 1000 to 5000 tons.

10. 2 whole-time sweepers for an L.S.D. having capacity above 500 tons.

11. Darwan @2 for each group of godowns not exceeding 4 godowns in a group.

The staff quarters and other necessary ancillaries are constructed according to the formula stated above. It can be taken for granted that all the L.S.D. and C.S.D. are equipped with staff quarters and other ancillaries as per the above formula.

2. ADB-Credit Foodgrain Storage Construction Project Prepared in May, 1980

(1) Number of proposed storages

30 LSDs (2 Districts)

500 tons/storage x 125 storages = 62,500 tons

(2) Manpower requirement for operation

Inspector	32
Sub-Inspector	9
Assistant Sub-Inspector	19
Darwans	66
Sweeper	30

3. EC-Grant Foodgrain Storage Construction Project Prepared in September, 1980

(1) Number of proposed storages

9 LSDs (9 Districts)

500 tons/storage x 96 storages = 48,000 tons

(2) Manpower requirement for operation

	(Nos.)	(Scale of monthly payment (TK))
Chief Inspector	2	425 - 1035
Inspector	11	400 - 825
Sub-Inspector	20	300 - 540
Assistant Sub-Inspector	31	275 - 480
Sweeper	11	225 - 315
Darwan	36	225 - 315

4. Netherlands-Grant Foodgrain Storage Construction Project Prepared in June, 1981

(1) Number of proposed storages

17 LSDs (2 Districts)

500 tons/storage x 28 storages = 14,000 tons

(2) Manpower requirement for operation

	(Nos.)	(Scale of monthly payment (TK))
Inspector	13	400 - 825
Sub-Inspector	4	300 - 540
Assistant Sub-Inspector	12	275 - 480
Darwans	34	225 - 315
Sweeper	17	225 - 315

(3) Extract taken from the recommendation of re-organization Committee 1966-67

STAFF FOR LOCAL SUPPLY DEPOTS

The Committee has considered the matter in all aspects and examined the local Officers on the spot in this connection and recommend and following standard for the purpose of determining the requirements.

SUGGESTION OF RE-ORGANIZATION COMMITTEE

		C.I.	Insp.	S.I.	T.C.	A.S.I.
1.	Capacity upto 500 tons	-	-	1	-	-
2.	Capacity between 501 & 1000 tons	-	-	1	-	-
3.	Capacity between 1001 to 2000 tons	-	1	-	2	
4.	Capacity between 2001 to 3000 tons	-	1	1	2	
5.	Capacity between 3001 to 5000 tons	-	1	2	3	
6.	Capacity between 5001 to 7000 tons	1	1	2	4	
7.	Capacity above 7000 tons	1	2	3	5	

8. 1 part time sweeper for an L.S.D. having capacity upto 100 tons.

9. 1 whole-time sweeper for an L.S.D. having capacity above 1000 to 5000 tons.

10. 2 whole-time sweeper for an L.S.D. having capacity above 5000 tons.

11. Darwan @2 for each group of godowns not exceeding 4 godowns in a group.

The staff quarters and other necessary ancillaries are constructed according to the formula stated above. It can be taken for granted that all the L.S.D. and C.S.D.'s are equipped with staff quarters and other ancillaries as per the above formula.

5. CIDA (Canada)-Grant Foodgrain Storage Construction Project
Prepared in December, 1980

(1) Number of proposed storages

28 LSDs (5 Districts)

500 tons/storage x 40 storages = 20,000 tons

(2) Manpower requirement for operation

	(Nos.)	(Scale of monthly payment (TK))
Inspector	2	400 - 825
Sub-Inspector	32	325 - 540
Assistant Sub-Inspector	4	275 - 480
Darwan	8	225 - 315
Sweeper	34	225 - 315

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