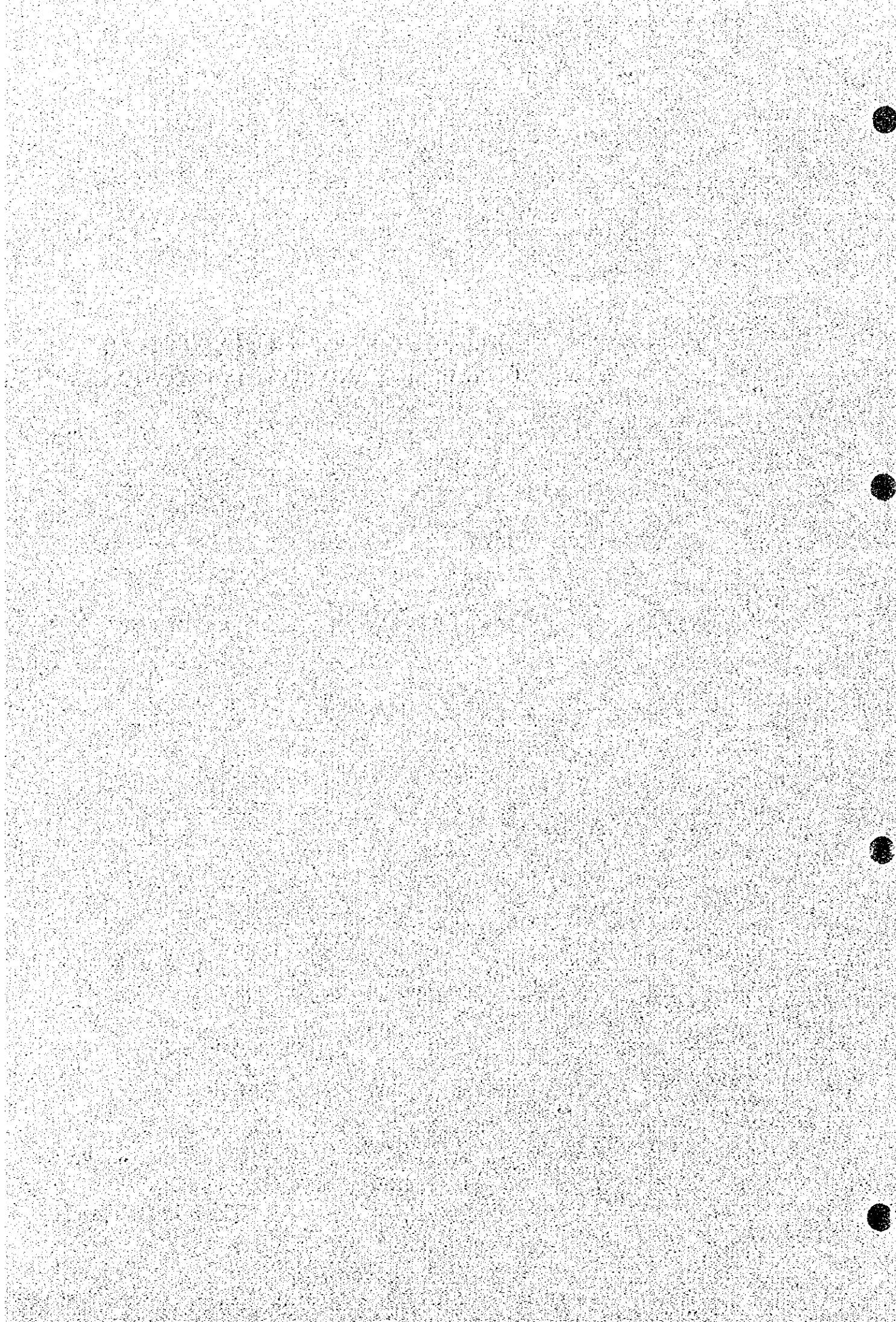


CHAPTER 10
CONCLUSION AND RECOMMENDATION



CHAPTER 10 CONCLUSION AND RECOMMENDATION

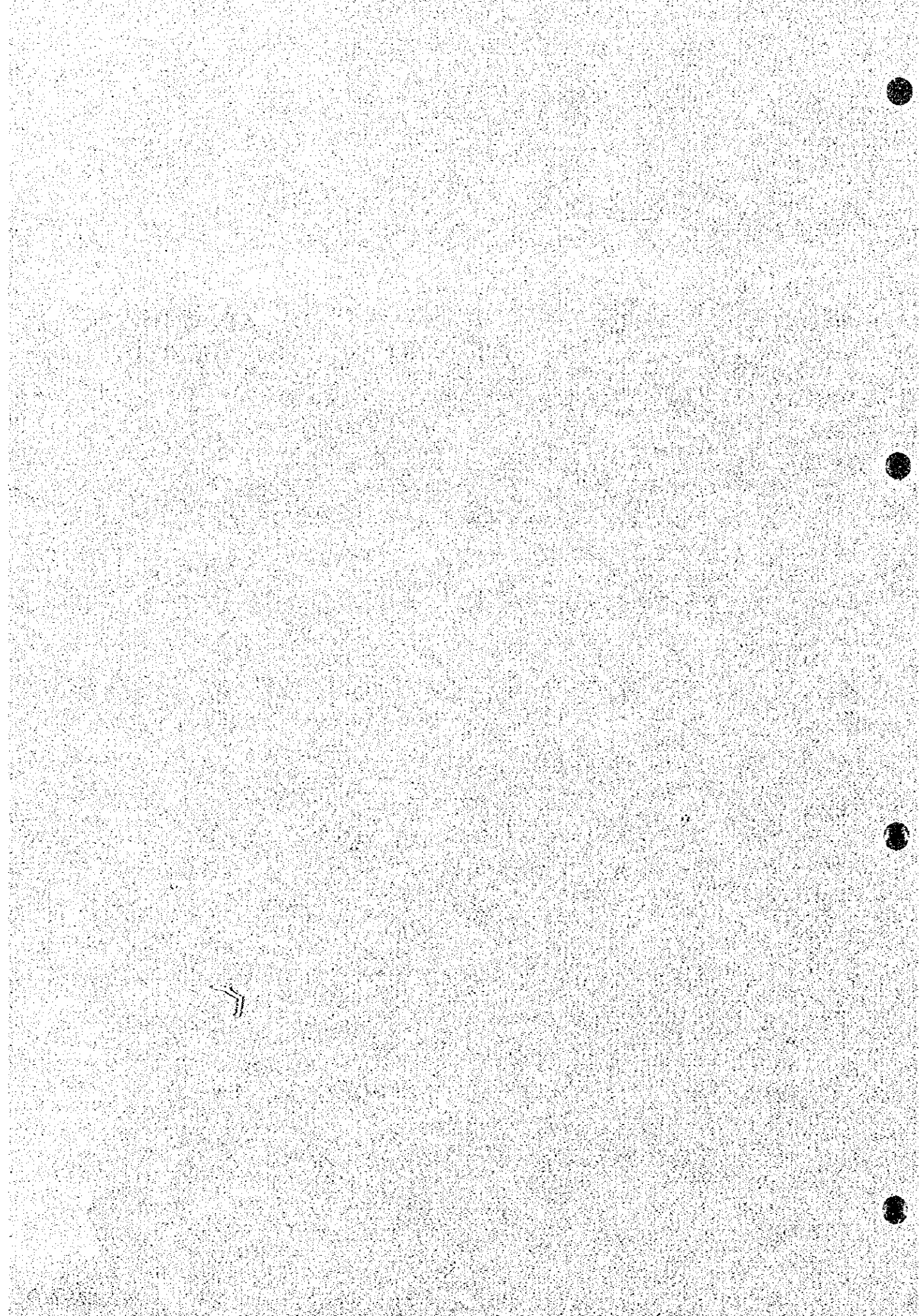
The Kok-Ing-Nan water diversion project is the most important and urgent project to guarantee the sustainable socio-economic and agricultural development of the Chao Phraya basin, especially the delta area in 21 century. The project is also evaluated to be technically and economically viable advantageous as compared with any other water resources development projects ever proposed and studied. It is therefore recommendable to commence the feasibility study on this proposed project inclusive of the environmental impact assessment as soon as possible. It is however necessary prior to the commencement of the feasibility study that agencies concerned including RID arrive at a general consensus through mutual discussions on the conceptual planning of the proposed project which would be implemented in the watershed classification areas and national parks.

It is recommendable to study the following items in the feasibility study of the project in order to verify the technical and economic feasibility together with assessment of environmental impact to be induced by the project.

- (1) Review of water diversion plan including the plan of outflow control at the Sirikit reservoir.
- (2) Improvement of the Sirikit reservoir operation rule including modification of the rule curves.
- (3) Proper use plan of the developed bulk water of 2,400 MCM in dry season for irrigated agricultural and municipal/industrial uses. The plan should be set up at least on the master plan level.
- (4) Irrigated agricultural development plan directly related to the project in the Kok and Ing river basins. The plan should be set up at least on the master plan level.
- (5) Proper water management plan including telemetry system to monitor and control the diversion water through the water diversion route in the project area and to allocate the diverted water to the beneficial area.
- (6) Preliminary design, construction plan and cost estimation of the proposed project facilities based on the necessary topo-maps and geological investigation.
- (7) Environmental impact assessment for project implementation and formulation of its mitigation measure plan.



APPENDIX
PERSONNEL ENGAGED IN THE STUDY



Appendix: Personnel Engaged in the Study

JICA Advisory Committee

The JICA Advisory Committee consists of a total of 4 advisory experts, headed by Mr. Hidetomi Oi, leader/water diversion planner.

JICA Advisory Committee

	Assignment	Name
1	Leader/Water Diversion Planner	Mr. Hidetomi Oi
2	Environmental Impact Evaluation	Mr. Kenichi Tanaka
3	River Planning	Mr. Hideo Tamura
4	Irrigation Water Management	Mr. Yugo Matsuda

JICA Study Team

The Study Team comprises a total of 19 planner/experts headed by Mr. Shoichiro Higuchi. The members and their assignments are as follows;

JICA Study Team

	Designation	Name
1	Team Leader	Shoichiro HIGUCHI
2	Environmental Leader/Social Study	Shinichi ISODA
3	Water Resources Development	Yoshiaki KIMURA
4	River Planning	Masayuki SHIRAIISHI
5	Hydrology/Hydraulics	Jiro YABE
6	Irrigation Planning	Kitla THEPALAGLEKHA
7	Agriculture Development	Pramuan SATARATH
8	Geology/Soil Mechanics	Satoshi KAWASAKI
9	Facility Design (Tunnel)	Nasaru MATSUYAMA
10	Facility Design (Dam)/Operation Planning	Yoshinori OHYAMA
11	Facility Design (Diversion Channel)	Hiroshi HAYATA
12	Hydro-Power	Koichi YAMADA
13	Cost Estimates/Construction Planning	Shinji ISHIBASHI
14	Economic Evaluation	Naomichi ISHIBASHI
15	Environment (Local Community)	Hiroshi IMAIZUMI
16	Environment (Wildlife Ecology)	Hiroshi SUMIKAWA
17	Environment (Plant/Forest Ecology)	Yoshifumi SAKURAI
18	Environment (Aquatic Ecology)	Tsuneo KUME
19	Coordinator	Rie KITAO

RID Counterpart Personnel

	JICA Planner/Expert	RID Counterpart
1	Water Resources Development	Mr. Suwit Thanopanuwat
2	River Planning	Mr. Chatchai Boonlue
3	Hydrology/Hydraulics	Mr. Kosit Rosirirat
4	Irrigation Planning	Mr. Vcerachai Chupisanyarot
5	Agriculture Development	Mrs. Vareerat Onnum
6	Geology/Soil Mechanics	Mr. Thanu Hanphattanapanit
7	Facility Design	Mr. Obua Warathon
8	Economic Evaluation	Mrs. Vareerat Onnum
9	Environment	Mr. Triphan Mekcharoon
10	Water Allocation/Management	Mr. Virat Khaoupatham





