

# FOLLOW-UP STUDY OF DEVELOPMENT STUDIES

## SUMMARY TABLES

### VOLUME II

ASIA

(Pakistan - Thailand)

MIDDLE EAST

(Algeria - Morocco)

March 1962

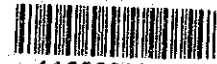
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JAPAN INTERNATIONAL COOPERATION AGENCY  
DEPARTMENT OF SOCIAL DEVELOPMENT STUDIES  
AGRICULTURE, FORESTRY AND FISHERIES PLANNING AND SURVEY DEPARTMENT

国際協力事業団

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## PROJECT LIST

No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
222	Asia	PAK/S 601	Pakistan	Port Muhammad-Bin-Quasim Project (follow-up) バンダルカシム港建設計画アフターケア	Other	1975	Transportation / Port	In Progress or In Use	264
223	Asia	PAK/S 201B	Pakistan	Shipping & Shipbuilding Development 海運・造船振興計画	M/P+F/S	1979	Transportation / Marine Transportation & Ships	Completed	265 ~ 266
224	Asia	PAK/S 301	Pakistan	Construction Project of a Mini-Port in Gwadar グアダール・ミニポート開発計画	F/S	1980	Transportation / Port	Implementing	267
225	Asia	PAK/S 202B	Pakistan	Introduction of Containerization コンテナ輸送導入計画	M/P+F/S	1981	Transportation / Port	Discontinued or Cancelled	268 ~ 269
226	Asia	PAK/A 301	Pakistan	Agricultural Development Project with Widening of Pat Feeder Canal パットフィーダー水路拡張計画	F/S	1982	Agriculture / Irrigation, Drainage & Reclamation	Implementing	270
227	Asia	PAK/S 101	Pakistan	National Transport Plan 全国総合交通計画	M/P	1983	Transportation / General	In Progress or In Use	271
228	Asia	PAK/S 302	Pakistan	Pakistan Railways Locomotives Manufacturing Factory Project 国鉄機関車供給計画	F/S	1983	Transportation / Railway	Implementing	272
229	Asia	PAK/S 303	Pakistan	Conduction of Water from Khanpur to Islamabad/Rawalpindi カンプールダム・イスラマバード・ラワルピンディ導水計画	F/S	1984	Public Utilities / Water Supply	Implementing	273
230	Asia	PAK/A 101	Pakistan	Integrated Rural Development Project 農村総合開発計画	M/P	1985	Agriculture / General	In Progress or In Use	274
231	Asia	PAK/A 102	Pakistan	Paddy/Rice Handling and Processing Improvement Project 米穀収穫後処理法改善計画	M/P	1986	Agriculture / Agricultural Processing	In Progress or In Use	275
232	Asia	PAK/S 103	Pakistan	National Transport Plan (follow-up) 全国総合交通計画 (アフターケア)	M/P	1987	Transportation / General	In Progress or In Use	276
233	Asia	PAK/S 102	Pakistan	Water Resources Development Potential for the Metropolitan Area of Islamabad / Rawalpindi 首都圏水資源開発基本計画	M/P	1987	Social Infrastructures / Water Resource Development	In Progress or In Use	277
234	Asia	PAK/A 302	Pakistan	Baluchistan Irrigation Development Project through Groundwater Development バルチスタン州地下水かんがい開発計画	F/S	1987	Agriculture / General	Delayed or Suspended	278
235	Asia	PAK/A 303	Pakistan	Upper Kurang River Irrigation Project クラング川上流かんがい開発計画	F/S	1988	Agriculture / General	Promoting	279
236	Asia	PAK/A 201B	Pakistan	Swat District Integrated Rural Development Project スワット地域農村総合開発計画	M/P+F/S	1989	Agriculture / General	Promoting	280 ~ 281
237	Asia	PAK/S 304	Pakistan	Establishment of the Second TV Channel for Education 教育テレビチャンネル設立計画	F/S	1989	Communications & Broadcasting / Broadcasting	Implementing	282
238	Asia	PAK/A 304	Pakistan	Water Resources Development Project in Malir Basin マリル川流域農業開発計画	F/S	1990	Agriculture / General	Promoting	283

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No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
239	Asia	PHL/S 303	Philippines	Manila Rapid Transit Railway Line No.1 マニラ地下鉄(1号線)計画	F/S	1976	Transportation / Railway	Discontinued or Cancelled	284
240	Asia	PHL/S 301	Philippines	Construction Plan of Subic Ship Repair Yard スービック修理用造船所建設計画	F/S	1976	Transportation / Marine Transportation & Ships	Completed	285
241	Asia	PHL/S 302	Philippines	Pan-Philippine Highway Ferry Service Plan フェリー計画	F/S	1976	Transportation / Marine Transportation & Ships	Completed	286
242	Asia	PHL/A 301	Philippines	Cagayan Integrated Agricultural Development Project カガヤン農業総合開発	F/S	1976	Agriculture / General	Completed	287
243	Asia	PHL/S 304	Philippines	Flood-Forecasting Systems in the Agno, Bicol and Cagayan River Basins Agno川、Bicol川、Cagayan川、における洪水予警報システムの総合計画設立 のための調査	F/S	1977	Social Infrastructures / River & Erosion Control	Completed	288
244	Asia	PHL/A 302	Philippines	Grain Terminal Construction Projects in Manila and Cebu 穀物ターミナルサイロ建設プロジェクト(マニラ・セブ地区)	F/S	1977	Agriculture / Irrigation, Drainage & Reclamation	Delayed or Suspended	289
245	Asia	PHL/A 501	Philippines	Fish Finding (skipjack) Survey 水産資源開発調査	Basic Study	1977	Fisheries / Fisheries	Delayed	290
246	Asia	PHL/S 601	Philippines	Pan-Philippine Highway Ferry Service (follow-up) フェリー計画アフターケア	Other	1977	Transportation / Marine Transportation & Ships	In Progress or In Use	291
247	Asia	PHL/S 101	Philippines	Pasig-Potrero River Flood Control and Sabo Project 小水系河川総合開発計画	M/P	1978	Social Infrastructures / Water Resource Development	In Progress or In Use	292
248	Asia	PHL/S 305	Philippines	C-3 and R-4 and Related Roads Project マニラ首都圏道路計画(C-3・R-4道路建設計画)	F/S	1978	Transportation / Road	Implementing	293
249	Asia	PHL/S 306	Philippines	Telecommunications Network Project in the Northern Part of Luzon ルソン島北部電気通信網建設計画	F/S	1978	Communications & Broadcasting / Telecommunication	Implementing	294
250	Asia	PHL/A 303	Philippines	Bohol Integrated Agricultural Development Project ボホール農業総合開発計画	F/S	1978	Agriculture / General	Implementing	295
251	Asia	PHL/A 601	Philippines	Review on the Feasibility Study of Fishing Port Package-1 漁港整備計画レビュー調査	Other	1978	Fisheries / Fisheries	Delayed	296
252	Asia	PHL/S 102	Philippines	Bohol Integrated Area Development Project ボホール州総合開発計画	M/P	1979	Development Plan / Integrated Regional Development Plan	In Progress or In Use	297
253	Asia	PHL/S 307	Philippines	Hospital Development Project 病院整備計画	F/S	1979	Social Infrastructures / Architecture & Housing	Discontinued or Cancelled	298
254	Asia	PHL/S 103	Philippines	Mayon Volcano Sabo and Flood Control Project マヨン火山砂防基本計画	M/P	1980	Social Infrastructures / River & Erosion Control	In Progress or In Use	299
255	Asia	PHL/S 308	Philippines	Manila-Bataan Coastal Road and its Related Roads マニラ・バターン道路およびC-5、C-6道路建設計画	F/S	1980	Transportation / Road	Promoting	300



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No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
256	Asia	PHL/A 304	Philippines	Ilocos Norte Irrigation Project : Phase II イロコスノルテかんがい計画	F/S	1980	Agriculture / General	Implementing	301
257	Asia	PHL/S 104	Philippines	Davao City Urban Transport cum Land Use ダバオ都市交通計画	M/P	1981	Transportation / Urban Transportation	Delayed	302
258	Asia	PHL/S 310	Philippines	Pampanga Delta Development Project パンパンガデルタ開発計画	F/S	1981	Social Infrastructures / River & Erosion Control	Implementing	303
259	Asia	PHL/S 309	Philippines	Rural Telecommunications Project in Regions III (Central Luzon) and IV (Southern Tagalog) 中部ルソン電気通信網整備計画	F/S	1981	Communications & Broadcasting / Telecommunication	Implementing	304
260	Asia	PHL/S 202B	Philippines	Local Water Supply Projects 地方都市上水道計画	M/P+F/S	1982	Public Utilities / Water Supply	Implementing	305 ~ 306
261	Asia	PHL/S 201B	Philippines	Development Project of the Port of Irene アイリーン港整備計画	M/P+F/S	1982	Transportation / Port	Delayed or Suspended	307 ~ 308
262	Asia	PHL/S 311	Philippines	Dalton Pass Tunnel Project ダルトン・パス・トンネル計画	F/S	1982	Transportation / Road	Delayed or Suspended	309
263	Asia	PHL/S 312	Philippines	Metro Manila Outer Major Roads Project (Southern Package) マニラ首都圏南部地区幹線道路網計画	F/S	1982	Transportation / Road	Implementing	310
264	Asia	PHL/A 305	Philippines	Mabini Agricultural Development Project マビニ地区農業開発計画	F/S	1982	Agriculture / General	Delayed or Suspended	311
265	Asia	PHL/A 306	Philippines	Alcogas Project アルコガス計画	F/S	1982	Agriculture / General	Delayed or Suspended	312
266	Asia	PHL/S 501	Philippines	Topographic Mapping Project for Cagayan Valley カガヤンバレー地区地図作成	Basic Study	1982	Social Infrastructures / Survey & Mapping	In Progress or In Use	313
267	Asia	PHL/S 313	Philippines	Metro Manila Outer Major Roads Project (Northern Package) マニラ首都圏北部地区幹線道路網計画	F/S	1983	Transportation / Road	Processing	314
268	Asia	PHL/A 307	Philippines	Matuno River Development Project マツノ川開発計画	F/S	1983	Agriculture / General	Delayed or Suspended	315
269	Asia	PHL/A 308	Philippines	Improvement Project of the Operation & Maintenance of National Irrigation Systems (UPRIIS)	F/S	1983	Agriculture / General	Promoting	316
270	Asia	PHL/A 309	Philippines	Improvement Project of the Operation and Maintenance of National Irrigation Systems (AMRIS)	F/S	1983	Agriculture / General	Completed	317
271	Asia	PHL/S 602	Philippines	Mayon Volcano Sabo and Flood Control Project (Re-Study) マヨン火山砂防計画	Other	1983	Social Infrastructures / River & Erosion Control	In Progress or In Use	318
272	Asia	PHL/S 105	Philippines	Infanta - Real Area Urban Development Project インファンタ・リアル都市開発計画	M/P	1984	Social Infrastructures / Urban Planning & Land Development	In Progress or In Use	319

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273	Asia	PHL/A 101	Philippines	Nationwide Ice Plants and Cold Storages Network System 水産物流通システム整備計画	M/P	1984	Fisheries / Fisheries	In Progress or In Use	320
274	Asia	PHL/S 316	Philippines	Philippine Road Disaster Prevention Project 道路防災計画	F/S	1984	Transportation / Road	Processing	321
275	Asia	PHL/S 314	Philippines	Development Project of the Port of San Fernando サンフェルナンド港整備計画	F/S	1984	Transportation / Port	Promoting	322
276	Asia	PHL/S 315	Philippines	Development Project on the Meteorological Telecommunication System 気象通信網整備計画	F/S	1984	Transportation / Meteorology & Seismology	Processing	323
277	Asia	PHL/A 310	Philippines	Gumain River Irrigation Project グマイン川灌漑開発計画	F/S	1984	Agriculture / General	Delayed or Suspended	324
278	Asia	PHL/S 107	Philippines	Metro Manila Transportation Planning マニラ首都圏都市交通計画 (フェーズI & II)	M/P	1985	Transportation / Urban Transportation	In Progress or In Use	325
279	Asia	PHL/S 106	Philippines	Panay River Basin-Wide Flood Control バナイ河流域洪水防衛基本計画	M/P	1985	Social Infrastructures / River & Erosion Control	Delayed	326
280	Asia	PHL/S 203B	Philippines	Development Project on the Port of Batangas バタンガス港整備計画	M/P+F/S	1985	Transportation / Port	Processing	327 ~ 328
281	Asia	PHL/S 318	Philippines	Philippine Road Disaster Prevention Project, Stage II 道路防災計画ステージII	F/S	1985	Transportation / Road	Processing	329
282	Asia	PHL/S 317	Philippines	San Roque Multi-Purpose Project (Re-Study) サンロケ多目的ダム開発計画	F/S	1985	Social Infrastructures / Water Resource Development	Delayed or Suspended	330
283	Asia	PHL/A 311	Philippines	Asue River Basin Agricultural Development Project アスエ川流域農業開発計画	F/S	1985	Agriculture / General	Delayed or Suspended	331
284	Asia	PHL/A 312	Philippines	Bohol Irrigation Development Project (Phase II) ボホール灌漑開発計画フェーズII	F/S	1985	Agriculture / General	Implementing	332
285	Asia	PHL/S 204B	Philippines	Municipal Water Supply Project 地方都市上水道整備計画	M/P+F/S	1986	Public Utilities / Water Supply	Implementing	333 ~ 334
286	Asia	PHL/S 108	Philippines	Cagayan River Basin Water Resources Development カガヤン河流域水資源開発基本計画	M/P	1987	Social Infrastructures / Water Resource Development	In Progress or In Use	335
287	Asia	PHL/A 102	Philippines	Improvement Project of the O & M of Magat River Integrated Irrigation System マガットかんがいシステム維持管理強化計画	M/P	1987	Agriculture / General	In Progress or In Use	336
288	Asia	PHL/S 319	Philippines	Road Improvement Project on the Pan-Philippine Highway (Philippines - Japan Friendship Highway) 日比友好道路・道路改善計画	F/S	1987	Transportation / Road	Processing	337
289	Asia	PHL/S 320	Philippines	Manila South Port Rehabilitation Project マニラ南港改修計画	F/S	1987	Transportation / Port	Implementing	338



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No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
290	Asia	PHL/A 103	Philippines	Integrated Agricultural/Rural Development Project in Western Samar 西サマール農村総合開発計画	M/P	1988	Agriculture / General	In Progress or In Use	339
291	Asia	PHL/S 321	Philippines	Rural Road Network Development Project 地方道路網整備計画	F/S	1988	Transportation / Road	Promoting	340
292	Asia	PHL/A 313	Philippines	Highland Integrated Rural Development Project in La Trinidad, Province of Benguet トリニダット高地農村総合開発計画	F/S	1988	Agriculture / General	Completed	341
293	Asia	PHL/A 314	Philippines	Improvement of Operation and Maintenance in Pumping Irrigation Systems ポンプ灌漑施設維持管理改善計画	F/S	1988	Agriculture / Irrigation, Drainage & Reclamation	Delayed or Suspended	342
294	Asia	PHL/S 502	Philippines	Establishment of Graphic Information Base Project of National Capital Region マニラ都市基本図作成	Basic Study	1988	Social Infrastructures / Survey & Mapping	In Progress or In Use	343
295	Asia	PHL/A 602	Philippines	Preparation of Forest Information in Wide Area and Forest Management Planning 広域森林情報分析管理計画	Other	1988	Forestry / Forestry & Forest Conservation	In Progress or In Use	344
296	Asia	PHL/A 105	Philippines	Small Water Impounding Management (SWIM) Project 農業用小規模ため池整備計画	M/P	1989	Agriculture / Irrigation, Drainage & Reclamation	In Progress or In Use	345
297	Asia	PHL/A 104	Philippines	Fish Transport System 水産物輸送システム総合計画	M/P	1989	Fisheries / Fisheries	In Progress or In Use	346
298	Asia	PHL/S 206B	Philippines	Flood Control and Drainage Project in Metro Manila マニラ洪水対策計画	M/P+F/S	1989	Social Infrastructures / River & Erosion Control	Processing	347 ~ 348
299	Asia	PHL/S 205B	Philippines	Groundwater Development in Panay Island バナイ島地下水開発計画	M/P+F/S	1989	Social Infrastructures / Water Resource Development	Promoting	349 ~ 350
300	Asia	PHL/A 201B	Philippines	Integrated Agricultural Development Project in Marinduque マリンドゥケ農業総合開発計画	M/P+F/S	1989	Agriculture / General	Processing	351 ~ 352
301	Asia	PHL/S 322	Philippines	Rehabilitation and Maintenance of Bridges along Arterial Roads 幹線道路主要橋梁改修計画	F/S	1989	Transportation / Road	Processing	353
302	Asia	PHL/A 106	Philippines	Improvement of Communal Irrigation Systems through Physical and Institutional Development and Rural Development in Southern Tarlac Province タルラック州南部地域小規模灌漑組織強化計画	M/P	1990	Agriculture / General	In Progress or In Use	354
303	Asia	PHL/S 323	Philippines	Rural Road Network Development Project 地方道路網整備計画 (II)	F/S	1990	Transportation / Road	Promoting	355
304	Asia	PHL/A 316	Philippines	Improvement of Seed production and Distribution, and Establishment of Appropriate Seed Storage System 優良種子流通配布計画	F/S	1990	Agriculture / General	Processing	356
305	Asia	PHL/A 315	Philippines	Integrated Jala-Jala Rural Development Project ハラハラ農業開発計画	F/S	1990	Agriculture / General	Implementing	357
306	Asia	SGP/S 101	Singapore	Dredging Project of the Strait of Singapore 浅瀬浚渫計画	M/P	1978	Transportation / Port	In Progress or In Use	358

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307	Asia	SGP/S 301	Singapore	Plant Renovation Project of the Sentosa-1 Earth Station セントサ衛星地球局補修計画	F/S	1986	Communications & Broadcasting / Telecommunication	Discontinued or Cancelled	359
308	Asia	SGP/S 302	Singapore	Singapore Urban Transport Improvement 都市交通改善計画	F/S	1988	Transportation / Urban Transportation	Promoting	360
309	Asia	SGP/S 303	Singapore	Selected Expressways カラシバヤレバ高速道路計画	F/S	1990	Transportation / Road	Implementing	361
310	Asia	LKA/S 301	Sri Lanka	Outside Colombo Area Telecommunication Development Scheme: Stage II Project 電気通信網整備計画	F/S	1977	Communications & Broadcasting / Telecommunication	Completed	362
311	Asia	LKA/A 301	Sri Lanka	Inginimitiya Reservoir Project インギニミチャ湖がいダム計画	F/S	1977	Agriculture / General	Completed	363
312	Asia	LKA/A 302	Sri Lanka	Moragahakanda Agricultural Development Project モラガハカンド農業開発計画	F/S	1979	Agriculture / General	Discontinued or Cancelled	364
313	Asia	LKA/S 201B	Sri Lanka	Port Improvement Programme 港湾整備計画	M/P+F/S	1980	Transportation / Port	Implementing	365 ~ 366
314	Asia	LKA/S 601	Sri Lanka	Development Project of the Port of Colombo (follow-up) コロンボ港整備計画アフターケア	Other	1980	Transportation / Port	In Progress or In Use	367
315	Asia	LKA/A 303	Sri Lanka	(Mahaweli Ganga Agricultural Development: System C) マハヴェリ農業開発計画システムC地区	F/S	1981	Agriculture / General	Implementing	368
316	Asia	LKA/S 302	Sri Lanka	Water Supply Scheme for Amparai Group of Towns 地方上水道整備計画	F/S	1982	Public Utilities / Water Supply	Processing	369
317	Asia	LKA/S 602	Sri Lanka	Colombo Airport Development (follow-up) コロンボ空港整備計画アフターケア	Other	1982	Transportation / Air Transportation & Airport	In Progress or In Use	370
318	Asia	LKA/S 303	Sri Lanka	Colombo - Katunayake Expressway and New Port Access Road Project コロンボ周辺道路網整備計画	F/S	1983	Transportation / Road	Processing	371
319	Asia	LKA/S 304	Sri Lanka	Telecommunications Network Improvement Project in Greater Colombo 大コロンボ電気通信網整備計画	F/S	1983	Communications & Broadcasting / Telecommunication	Implementing	372
320	Asia	LKA/S 101	Sri Lanka	Master Plan for the Domestic Telecommunication Network 全国電気通信網整備計画	M/P	1985	Communications & Broadcasting / Telecommunication	In Progress or In Use	373
321	Asia	LKA/A 304	Sri Lanka	Rehabilitation of Tank Irrigation Project 農業用貯水池復旧計画	F/S	1985	Agriculture / Irrigation, Drainage & Reclamation	Implementing	374
322	Asia	LKA/A 101	Sri Lanka	Integrated Rural Development Project for Gampaha District ガンパハ県農村総合開発計画	M/P	1987	Agriculture / General	In Progress or In Use	375
323	Asia	LKA/A 102	Sri Lanka	Sand Drift in the Southeastern Coast 南東部沿岸漂砂調査	M/P	1989	Fisheries / Fisheries	In Progress or In Use	376
324	Asia	LKA/S 202B	Sri Lanka	Development of the Port of Colombo コロンボ港開発計画	M/P+F/S	1989	Transportation / Port	Implementing	377 ~ 378

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325	Asia	LKA/A 201B	Sri Lanka	Extension of the Moragahakanda Agricultural Development Project モラガハカンド農業開発計画	M/P+F/S	1989	Agriculture / General	Promoting	379 ~ 380
326	Asia	THA/S 301	Thailand	Project of Strengthening and/or Replacement of Steel Bridges on the State Railway 鉄道橋梁改良計画	F/S	1976	Transportation / Railway	Completed	381
327	Asia	THA/A 301	Thailand	Irrigated Agricultural Development Project in the West Bank Tract of the Greater Chao Phraya チャオピヤ川西岸地区かんがい農業開発計画	F/S	1977	Agriculture / General	Implementing	382
328	Asia	THA/S 401	Thailand	Bangkok Telephone Network Project: Junction Lines バンコク市内線路網実施設計	D/D	1977	Communications & Broadcasting / Telecommunication	Completed	383
329	Asia	THA/S 303	Thailand	Separate System of Metropolitan Water Supply in Bangkok 首都圏周辺市街地区水道拡張計画	F/S	1978	Public Utilities / Water Supply	Completed	384
330	Asia	THA/S 305	Thailand	Phetchabun - Chai Badan Highway Project ベチャブーン~チャイバダン道路建設計画	F/S	1978	Transportation / Road	Completed	385
331	Asia	THA/S 304	Thailand	Rural Long Distance Public Telephone Service 長距離市街電話網	F/S	1978	Communications & Broadcasting / Telecommunication	Completed	386
332	Asia	THA/S 302	Thailand	Pataya Tourism Development パタヤ地区基盤整備計画	F/S	1978	Tourism / General	Implementing	387
333	Asia	THA/S 101	Thailand	Bangkok Suburban Transportation Project 首都圏交通計画	M/P	1979	Transportation / Railway	Delayed	388
334	Asia	THA/A 101	Thailand	(Irrigated Agricultural Development in the Greater Mae Klong River) メクロン川マスタープラン	M/P	1979	Agriculture / General	In Progress or In Use	389
335	Asia	THA/S 306	Thailand	Nong Bua - Ban Lam Chi Bon Highway Project ノンブアーバンラムチボン道路建設計画	F/S	1979	Transportation / Road	Completed	390
336	Asia	THA/A 302	Thailand	Kamphaeng Saen Irrigated Agriculture Development Project in the Mae Klong River Basin メクロン川流域カンバンセンかんがい農業開発	F/S	1979	Agriculture / General	Delayed or Suspended	391
337	Asia	THA/S 307	Thailand	Bangkok Urban Truck Terminals Construction Project 首都圏トラックターミナル建設計画	F/S	1980	Transportation / Land Transportation	Promoting	392
338	Asia	THA/A 303	Thailand	Mae Wang-Kew Lom Irrigated Agriculture Development Project メワンかんがい農業開発計画	F/S	1980	Agriculture / General	Delayed or Suspended	393
339	Asia	THA/S 402	Thailand	Bangkok Telephone Network Project: Local Cable Network バンコク市内線路網実施設計	D/D	1980	Communications & Broadcasting / Telecommunication	Completed	394
340	Asia	THA/A 304	Thailand	Kaeng Khoi-Ban Mo Pumping Irrigation Project ケンコイ・バンモーポンプかんがい計画	F/S	1981	Agriculture / General	Promoting	395
341	Asia	THA/S 202B	Thailand	Bangkok Sewerage System Project バンコク市下水道整備計画	M/P+F/S	1982	Public Utilities / Sewerage	Promoting	396 ~ 397

## PROJECT LIST

No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
342	Asia	THA/S 203B	Thailand	Bangkok Solid Waste Management バンコク市都市廃棄物整備計画	M/P+F/S	1982	Public Utilities / Urban Sanitation	Promoting	398 ~ 399
343	Asia	THA/S 201B	Thailand	Road Development in the Northern Region 北部地方道路網整備計画	M/P+F/S	1982	Transportation / Road	Completed	400 ~ 401
344	Asia	THA/A 201B	Thailand	Agricultural Cooperative Promotion 農業協同組合組織育成計画	M/P+F/S	1982	Agriculture / General	Completed	402 ~ 403
345	Asia	THA/S 308	Thailand	Rama VI Bridge Construction Project チャオピア河架橋計画 (ラマ六世橋建設計画)	F/S	1982	Transportation / Road	Implementing	404
346	Asia	THA/S 309	Thailand	East Coast Water Resources Development Project 東部水資源開発計画	F/S	1982	Social Infrastructures / Water Resource Development	Implementing	405
347	Asia	THA/A 305	Thailand	Phetchaburi-Kaeng Krachan Irrigated Agriculture Development Project ベチャブリかんがい農業開発計画	F/S	1982	Agriculture / General	Delayed or Suspended	406
348	Asia	THA/A 306	Thailand	Mae Kuang Irrigated Agriculture Development Project メイクワンかんがい農業開発計画	F/S	1982	Agriculture / General	Completed	407
349	Asia	THA/A 307	Thailand	Upper Pasak Medium Scale Irrigation Project パスック河上流中規模灌漑計画	F/S	1982	Agriculture / General	Implementing	408
350	Asia	THA/S 403	Thailand	Rama VI Bridge Rehabilitation Project ラマ六世橋梁修復計画	D/D	1982	Transportation / Railway	Completed	409
351	Asia	THA/S 404	Thailand	Dok Krai - Mad Ta Pud Water Pipe Line Project in the East Coast Area 東部海岸パイプライン建設実施設計	D/D	1982	Social Infrastructures / Water Resource Development	Completed	410
352	Asia	THA/S 501	Thailand	Water Supply Project to Laotian Displaced Persons: Nakhon Phanom Camp and Pak Chom Camp ラオス難民生活用水供給計画	Basic Study	1982	Social Infrastructures / Water Resource Development	In Progress or In Use	411
353	Asia	THA/S 102	Thailand	Road Development in the Northeastern Region 東北部道路網整備建設計画	M/P	1983	Transportation / Road	In Progress or In Use	412
354	Asia	THA/S 204B	Thailand	Development Project of the Industrial Port on the Eastern Seaboard 東部工業港開発計画	M/P+F/S	1983	Transportation / Port	Implementing	413 ~ 414
355	Asia	THA/S 311	Thailand	Nong Kho - Leam Chabang Water Pipeline Project ノンコー・ラムチャバン送水パイプライン計画	F/S	1983	Public Utilities / Water Supply	Completed	415
356	Asia	THA/S 312	Thailand	Second Stage Expressway System in the Greater Bangkok バンコック高速道路建設計画	F/S	1983	Transportation / Road	Promoting	416
357	Asia	THA/S 310	Thailand	East Coast Water Resources Development (Phase II) 東部水資源開発計画 (フェーズII)	F/S	1983	Social Infrastructures / Water Resource Development	Delayed or Suspended	417
358	Asia	THA/A 308	Thailand	Mae Chang Irrigation Project メチャンかんがい農業開発計画	F/S	1983	Agriculture / General	Delayed or Suspended	418

## PROJECT LIST

No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
359	Asia	THA/S 103	Thailand	Sub-Regional Development of the Upper Southern Part 南タイ北部地域総合開発計画	M/P	1984	Development Plan / Integrated Regional Development Plan	In Progress or In Use	419
360	Asia	THA/S 205B	Thailand	Development Project of Leam Chabang Coastal Area ラムチャバン臨海部開発計画	M/P+F/S	1984	Development Plan / Integrated Regional Development Plan	Implementing	420 ~ 421
361	Asia	THA/S 314	Thailand	Track Elevation Project of Existing Railway Lines in the Bangkok Metropolitan Area バンコク首都圏国鉄高架化計画	F/S	1984	Transportation / Railway	Processing	422
362	Asia	THA/S 313	Thailand	Comprehensive Development of Coastal Shipping 沿岸海運整備振興計画	F/S	1984	Transportation / Marine Transportation & Ships	Delayed or Suspended	423
363	Asia	THA/A 309	Thailand	Lower Northeast Medium Scale Irrigation Package Project 東北タイ南部中規模かんがいパッケージプロジェクト	F/S	1984	Agriculture / General	Implementing	424
364	Asia	THA/S 601	Thailand	Traffic Safety Plan for Roads 道路交通安全計画	Other	1984	Transportation / General	In Progress or In Use	425
365	Asia	THA/S 206B	Thailand	Master Plan on Flood Protection/Drainage Project in Eastern Suburban - Bangkok バンコク市都市排水対策計画	M/P+F/S	1985	Social Infrastructures / River & Erosion Control	Completed	426 ~ 427
366	Asia	THA/S 316	Thailand	Sanitary District Water Works Project in the North-Eastern Region 東北タイ地方水道施設緊急整備計画	F/S	1985	Public Utilities / Water Supply	Delayed or Suspended	428
367	Asia	THA/S 317	Thailand	Road Development in the North - Eastern Region (Phase 2) 東北部道路網整備計画 (フェイズII)	F/S	1985	Transportation / Road	Implementing	429
368	Asia	THA/S 315	Thailand	Establishment of a Large Repair Shipyard 船舶修理ヤード建設計画	F/S	1985	Transportation / Marine Transportation & Ships	Promoting	430
369	Asia	THA/A 310	Thailand	Comprehensive Storage Facilities Development Project (Phase II) 穀物貯蔵施設整備拡充計画 Phase II	F/S	1985	Agriculture / General	Discontinued or Cancelled	431
370	Asia	THA/A 311	Thailand	Sakae Krang River Basin Irrigation Project サカエクラン川流域灌漑計画	F/S	1985	Agriculture / General	Promoting	432
371	Asia	THA/S 318	Thailand	Dredging Plant Development Project 港湾浚渫船隊整備計画	F/S	1986	Transportation / Port	Delayed or Suspended	433
372	Asia	THA/A 312	Thailand	Bang Nara Irrigation and Drainage Project バンナラ川かんがい排水計画	F/S	1986	Agriculture / General	Completed	434
373	Asia	THA/S 602	Thailand	Road Improvement, Rehabilitation and Traffic Safety in Bangkok バンコク首都圏庁バンコク市道路改良・交通安全計画	Other	1986	Transportation / General	In Progress or In Use	435
374	Asia	THA/A 102	Thailand	Aerial Photography and Forest Management Plan in the Encroached National Reserve Forest 国有林管理計画	M/P	1987	Forestry / Forestry & Forest Conservation	In Progress or In Use	436
375	Asia	THA/S 319	Thailand	New Krungthep Bridge Construction and Thonburi Road Extension 新クルンテップ橋及びトンブリ道路延伸計画	F/S	1987	Transportation / Road	Processing	437

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No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
376	Asia	THA/S 320	Thailand	Railways Yards Improvement 鉄道ヤード改良計画	F/S	1987	Transportation / Railway	Implementing	438
377	Asia	THA/S 603	Thailand	Effective Port Management and Operation System 効果的港湾システム調査	Other	1987	Transportation / Port	In Progress or In Use	439
378	Asia	THA/S 104	Thailand	Flood Forecasting System in the Chao Phraya River Basin チャオピア川洪水予報システム計画	M/P	1988	Social Infrastructures / River & Erosion Control	In Progress or In Use	440
379	Asia	THA/S 207B	Thailand	Road Development in the Central Region 中央部道路網整備計画	M/P+F/S	1988	Transportation / Road	Implementing	441 ~ 442
380	Asia	THA/A 202B	Thailand	Agricultural Land and Conservation for Integrated Rural Development in the East 東部タイ農地保全総合開発計画	M/P+F/S	1988	Agriculture / General	Processing	443 ~ 444
381	Asia	THA/S 208B	Thailand	Potential Tourism Development for the Southern Region 南部地域開発計画	M/P+F/S	1988	Tourism / General	Promoting	445 ~ 446
382	Asia	THA/S 321	Thailand	Project of the Regional Truck Terminals 地方トラックターミナル整備計画	F/S	1988	Transportation / Land Transportation	Delayed or Suspended	447
383	Asia	THA/S 502	Thailand	Topographic Mapping of Bangkok Metropolitan Area バンコク首都圏地形図作成事業	Basic Study	1988	Social Infrastructures / Survey & Mapping	In Progress or In Use	448
384	Asia	THA/S 604	Thailand	City Planning Manual 都市計画策定指針作成	Other	1988	Social Infrastructures / Urban Planning & Land Development	In Progress or In Use	449
385	Asia	THA/S 105	Thailand	Master Plan of Telecommunications Development 国内電話網拡充長期計画	M/P	1989	Communications & Broadcasting / Telecommunication	In Progress or In Use	450
386	Asia	THA/A 104	Thailand	Sebai-Sebok Basin Development Project セバイ・セボック流域開発計画	M/P	1989	Agriculture / General	In Progress or In Use	451
387	Asia	THA/A 103	Thailand	Water Management System and Monitoring Program in Chao Phraya River Basin チャオピア川流域水管理システムおよび監視計画	M/P	1989	Agriculture / General	In Progress or In Use	452
388	Asia	THA/S 210B	Thailand	Provincial Water Supply Projects 地方都市水道整備計画	M/P+F/S	1989	Public Utilities / Water Supply	Promoting	453 ~ 454
389	Asia	THA/S 209B	Thailand	Medium to Long Term Improvement / Management Plan of Road and Road Transport in Bangkok バンコク首都圏中・長期道路交通計画	M/P+F/S	1989	Transportation / Urban Transportation	Promoting	455 ~ 456
390	Asia	THA/S 322	Thailand	Purification of Klong Water in Bangkok バンコク市クローン水質改善計画	F/S	1989	Public Utilities / Sewerage	Promoting	457
391	Asia	THA/S 323	Thailand	Measure to Promote the Container Handling System through Leam Chabang Port ラムチャバン港輸送施設計画	F/S	1989	Transportation / Port	Processing	458
392	Asia	THA/A 313	Thailand	Agricultural Water Development Project in Chantaburi River Basin チャントブリ川流域農業水利開発計画	F/S	1989	Agriculture / General	Promoting	459

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No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
393	Asia	THA/S 108	Thailand	Development of Paththaya Area パタヤ地区総合開発計画	M/P	1990	Development Plan / Integrated Regional Development Plan	In Progress or In Use	460
394	Asia	THA/S 107	Thailand	Upper Central Region Study 中央平原北部地域総合開発計画	M/P	1990	Development Plan / Integrated Regional Development Plan	In Progress or In Use	461
395	Asia	THA/S 106	Thailand	Traffic Operation Plan for Roads 道路交通運用計画	M/P	1990	Transportation / Road	In Progress or In Use	462
396	Asia	THA/S 211B	Thailand	Sewage and Drainage Improvement Project for Phuket Municipality プーケット市下水排水改善計画	M/P+F/S	1990	Public Utilities / Sewerage	Promoting	463 ~ 464
397	Asia	THA/S 212B	Thailand	Bangkok Solid Waste Management バンコク廃棄物処理計画	M/P+F/S	1990	Public Utilities / Urban Sanitation	Promoting	465 ~ 466
398	Asia	THA/A 203B	Thailand	Agricultural Water Resources Development Project of Bang Pakong River Basin バンパコン川流域農業水利開発計画	M/P+F/S	1990	Agriculture / General	Promoting	467 ~ 468
399	Asia	THA/A 314	Thailand	Sukhothai Integrated Agricultural and Rural Infrastructure Development Project スコタイ農村総合整備計画	F/S	1990	Agriculture / General	Promoting	469
400	Asia	THA/S 405	Thailand	Area Traffic Control Project in Bangkok バンコク市交通制御システム整備計画	D/D	1990	Transportation / Urban Transportation	Processing	470
401	Middle East	DZA/A 301	Algeria	Projet d'aménagement agricole de la region pripherique du Lac Fetzara フェツアラ湖周辺地域農業開発計画	F/S	1985	Agriculture / General	Delayed or Suspended	471
402	Middle East	EGY/S 301	Egypt	Suez Canal Extension Project スエズ運河拡張計画	F/S	1975	Transportation / Port	Completed	472
403	Middle East	EGY/S 302	Egypt	Urban Water Supply Project in the Great Cairo カイロ大都市圏都市用水開発計画	F/S	1976	Public Utilities / Water Supply	Completed	473
404	Middle East	EGY/S 101	Egypt	High Dam Lake Area Integrated Regional Development Plan 南部地域総合開発計画	M/P	1979	Development Plan / Integrated Regional Development Plan	In Progress or In Use	474
405	Middle East	EGY/S 303	Egypt	Cairo - Alexandria Line Electrification for Egyptian Railways エジプト国鉄カイロ～アレキサンドリア線電化	F/S	1979	Transportation / Railway	Discontinued or Cancelled	475
406	Middle East	EGY/S 304	Egypt	Second Stage Development Project of the Suez Canal スエズ運河第2期拡張計画	F/S	1980	Transportation / Port	Discontinued or Cancelled	476
407	Middle East	EGY/S 102	Egypt	Technical Cooperation Program to the Suez Canal Authority スエズ運河庁に対する技術協力計画	M/P	1981	Transportation / Marine Transportation & Ships	In Progress or In Use	477
408	Middle East	EGY/S 305	Egypt	Alexandria PCM Microwave Network Construction Project アレキサンドリアPCMマイクロウェーブ回線網建設	F/S	1981	Communications & Broadcasting / Telecommunication	Completed	478
409	Middle East	EGY/A 301	Egypt	South Hussinia Valley Agricultural Development Project 南部ホサイニア・バレイ農業開発計画	F/S	1981	Agriculture / General	Promoting	479
410	Middle East	EGY/S 306	Egypt	Cairo - Aswan - Abu Simbel Microwave Network Construction Project カイロ-アスワン-アブシムベル・マイクロウェーブ通信網建設	F/S	1982	Communications & Broadcasting / Telecommunication	Completed	480



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No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
411	Middle East	EGY/A 302	Egypt	Tenth of Ramadan Agricultural Development Project テンスオブラマダン地区農業開発計画	F/S	1982	Agriculture / General	Implementing	481
412	Middle East	EGY/A 303	Egypt	Cold Storage Chain Development Project 食肉冷蔵供給開発計画	F/S	1983	Animal Husbandry / Livestock Processing	Delayed or Suspended	482
413	Middle East	EGY/S 308	Egypt	Sharqiya Water Supply System シャルキア上水道整備計画	F/S	1984	Public Utilities / Water Supply	Delayed or Suspended	483
414	Middle East	EGY/S 307	Egypt	El - Arish Sewerage and Drainage System in the North Sinai Province エル・アリッシュ市下水道整備計画	F/S	1984	Public Utilities / Sewerage	Delayed or Suspended	484
415	Middle East	EGY/A 304	Egypt	North Hussinia Valley & South Port Said Agricultural Development Project 北部ホサイニア及びポートサイド南部農業開発計画	F/S	1984	Agriculture / General	Delayed or Suspended	485
416	Middle East	EGY/A 305	Egypt	South Hussinia Valley Agricultural Development Project:Phase II 南部ホサイニア・バレイ農業開発計画, Phase II	F/S	1984	Agriculture / General	Promoting	486
417	Middle East	EGY/A 306	Egypt	Fayoum Agricultural Development Project ファユーム農業開発計画	F/S	1984	Agriculture / General	Delayed or Suspended	487
418	Middle East	EGY/S 201B	Egypt	Refuse Collection Treatment and Disposal in Alexandria アレキサンドリア市都市廃棄物処理計画	M/P+F/S	1985	Public Utilities / Urban Sanitation	Delayed or Suspended	488 ~ 489
419	Middle East	EGY/S 310	Egypt	Safety Improvement of the Suez Canal スエズ運河航行安全計画	F/S	1985	Transportation / Marine Transportation & Ships	Implementing	490
420	Middle East	EGY/S 309	Egypt	New Alexandria International Airport Construction Project アレキサンドリア新国際空港建設計画	F/S	1985	Transportation / Air Transportation & Airport	Processing	491
421	Middle East	EGY/S 203B	Egypt	Development Plan of Suez Canal Area スエズ湾臨海部開発計画	M/P+F/S	1986	Development Plan / Integrated Regional Development Plan	Completed	492 ~ 493
422	Middle East	EGY/S 311	Egypt	New TV Center at 6th October City シックスオクトーバシティテレビセンター建設計画	F/S	1986	Communications & Broadcasting / Broadcasting	Delayed or Suspended	494
423	Middle East	EGY/S 202B	Egypt	Sharqiya Sewerage System シャルキア州下水道整備計画	M/P+F/S	1988	Public Utilities / Sewerage	Promoting	495 ~ 496
424	Middle East	EGY/S 601	Egypt	Development Plan of Suez Canal Area (follow-up) スエズ湾臨海部開発計画アフターケア	Other	1988	Development Plan / Integrated Regional Development Plan	In Progress or In Use	497
425	Middle East	EGY/S 103	Egypt	Greater Cairo Region Transportation Masterplan カイロ大都市圏都市交通計画	M/P	1989	Transportation / Urban Transportation	In Progress or In Use	498
426	Middle East	EGY/A 201B	Egypt	North Sinai Integrated Rural Development 北シナイ農村総合開発計画	M/P+F/S	1989	Agriculture / General	Promoting	499 ~ 500
427	Middle East	IRN/A 101	Iran	Caspian Sea Coastal Area Agricultural Development Project カスピ海沿岸地域農業開発計画	M/P	1986	Agriculture / General	In Progress or In Use	501
428	Middle East	IRQ/A 301	Iraq	Kahla Rice Farm Project カハラ稲作農場計画	F/S	1979	Agriculture / General	Delayed or Suspended	502

## PROJECT LIST

No.	Region	Code No.	Country	Name of the Study	Type	FYear Completion	Sector Subsector	Status	Page
429	Middle East	IRQ/S 101	Iraq	Vocational Training Center Project Study in Bagdad and Mosul 職業訓練センター設立計画	M/P	1984	Social Infrastructures / Architecture & Housing	Delayed	503
430	Middle East	IRQ /S 102	Iraq	Bagdad City Urban Transport Improvement バグダッド都市交通改善計画	M/P	1987	Transportation / Urban Transportation	Delayed	504
431	Middle East	JOR/A 301	Jordan	Wadi Arab Dam and Irrigation Project ワディアラブ・ダムかんがい計画	F/S	1976	Agriculture / General	Completed	505
432	Middle East	JOR /S 101	Jordan	Integrated Regional Development of Northern Jordan 北部地域総合開発計画	M/P	1979	Development Plan / Integrated Regional Development Plan	In Progress or In Use	506
433	Middle East	JOR/S 301	Jordan	Ring Roads Construction Project in Irbid City イルビッド市環状道路計画	F/S	1982	Transportation / Road	Completed	507
434	Middle East	JOR /S 102	Jordan	Integrated Regional Development Master Plan for the Karak - Tafila Development Region カラク地域総合開発計画	M/P	1987	Development Plan / Integrated Regional Development Plan	In Progress or In Use	508
435	Middle East	JOR/S 501	Jordan	Hydrogeological and Water Use Study of the Mujib Water Shed ムジブ水系水利用計画	Basic Study	1987	Social Infrastructures / Water Resource Development	In Progress or In Use	509
436	Middle East	JOR/S 103	Jordan	Water Resources of the Jafr Basin エル・ジャファル水系地下水開発計画	M/P	1989	Social Infrastructures / Water Resource Development	In Progress or In Use	510
437	Middle East	JOR/A 302	Jordan	Agricultural Development for the Karak-Tafila Development Region カラク地域農業開発計画	F/S	1990	Agriculture / General	Promoting	511
438	Middle East	MAR/S 301	Morocco	Nador Airport Construction Project ナドール新空港建設計画	F/S	1984	Transportation / Air Transportation & Airport	Delayed or Suspended	512
439	Middle East	MAR/A 301	Morocco	Projet d'exploitation des eaux souterraines en vue de developpement rural dans la province d'Oujda ウジュダ州地下水/農村開発計画	F/S	1986	Agriculture / General	Completed	513
440	Middle East	MAR/S 302	Morocco	Project d'un system de transport urbain de type metro-aerien a Casabranca カサブランカ新高架交通システム建設計画	F/S	1987	Transportation / Railway	Delayed or Suspended	514
441	Middle East	MAR/S 201B	Morocco	Rheris River Basin Small and Medium Scale Dam Construction Project レリス盆地ダム建設計画	M/P+F/S	1989	Social Infrastructures / River & Erosion Control	Promoting	515 ~ 516
442	Middle East	MAR/S 501	Morocco	Topographic Mapping 国土基本図作成	Basic Study	1990	Social Infrastructures / Survey & Mapping	In Progress or In Use	517

PROJECT SUMMARY (Other)

ASO PAK/S 601/75

Compiled March 1990  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Pakistan	1. SITE OR AREA	Quasim Port			1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Port Muhammad-Bin-Quasim Project (follow-up)	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost		
3. SECTOR	Transportation/ Port	(US\$1,000)	1) 59,686	32,414	27,272	(Description) 1973 - 75 M/P study was undertaken on Quasim Port 1975 D/D on the construction of berths for 25,000 - 75,000 DWT	
4. REFERENCE NO.		2)					
5. TYPE OF STUDY	Other	3. MAJOR PROJECT(S) PROPOSED	In response to the request of the Pakistani Government, the study team explained the results of the study on Quasim Port and offered technical suggestions.				
6. COUNTERPART AGENCY	Quasim Port Authority	4. CONDITIONS AND DEVELOPMENT IMPACTS					
7. OBJECTIVES OF STUDY		5. TECHINCAL TRANSFER	Training in Japan on port development and basic design				
8. DATE OF S/W		12. EXPENDITURE					
9. CONSULTANT(S)	Central Consultant, Inc.	Total	9,463 (¥'000)				
10. STUDY TEAM	No. of Members 3 Period Feb.1976 - Mar.1976 (1 months)  Total M/M 2.2 Japan 0 Field 2.2	Contracted	3,227				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		2. MAJOR REASONS FOR PRESENT STATUS					
		3. PRINCIPAL SOURCES OF INFORMATION		①			

和名 バンデルカシム港建設計画アフターケア

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (M/P + F/S)

ASO PAK/S 201A /79

Compiled March 1986  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Pakistan	1. SITE OR AREA	Major parts and shipbuilding yards		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Shipping & Shipbuilding Development	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost		
3. SECTOR	Transportation/ Marine Transportation & Ships	(US\$1,000)	1)			(Description)  The Government of Pakistan showed a big interest in this study and wished a further study team to Pakistan. Followed by F/S on shipping improvement.
4. REFERENCE NO.			2)			
5. TYPE OF STUDY	M/P+(F/S)	3. MAJOR PROJECT(S) PROPOSED				
6. COUNTERPART AGENCY	Ports and Shipping Wing, Ministry of Communications	The study proposed the fleet replacement for the government-owned national shipping line and the improvement of the government-owned shipbuilding yard (KSEW).				
7. OBJECTIVES OF STUDY	Development of National Shipbuilding Sector	1) Shipping 22 obsolete ships (226,800 DWT) will be scrapped during 1980 - 1983 and replaced by 16 new ships (240,000 DWT).				
8. DATE OF S/W	Mar. 1978	2) Shipbuilding The capacity and operation of KSEW was studied to propose measures for improving productivity. Out of 16 new ships, 4 will be constructed by KSEW.				
9. CONSULTANT(S)	Shipbuilding Research Centre of Japan	4. CONDITIONS AND DEVELOPMENT IMPACTS				
10. STUDY TEAM	No. of Members 7 Period Aug. 1978 - Oct. 1979 (14 months)  Total M/M 16.55 Japan 10 Field 6.55	The project will contribute to the growth of shipping and the balance of payments improvement.				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER			2. MAJOR REASONS FOR PRESENT STATUS	
12. EXPENDITURE	Total 51,135 (¥'000) Contracted 39,849				3. PRINCIPAL SOURCES OF INFORMATION	
					①	

和名 海運・造船振興計画

{M/P, M/P+(F/S), Basic Study, Other}

PROJECT SUMMARY (M/P + F/S)

ASO PAK/S 201B/79

Compiled March 1986  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	Karachi			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Shipping & Shipbuilding Development	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Transportation/ Marine Transportation & Ships	(US\$1,000)	1) 226,201	2) 14,000	3) 750	(Description)  1979 Mar. OECF loan agreement (18,000 million yen)  1980 Dec. - 1983 Mar. The project was implemented.  Contents of the implemented project: -18,000 DWT vessels x 7 -Total amount of the project was 18,800 million yen -One ship was built by KSEW and six ships were built in Japan.
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	1) Shipping Construction of 16 multi-purpose vessels (15,000 DWT) (4 vessels to be built at KSEW)  2) Shipbuilding Purchase of necessary equipment, overseas manpower training, technical assistance by experts			
5. TYPE OF STUDY	(M/P)+F/S	Implementation Period:	1) 1979 - 1873 2) 1979 - 1980			
6. COUNTERPART AGENCY	Ports and Shipping Wing, Ministry of Communication	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
7. OBJECTIVES OF STUDY	Development of National Shipbuilding Sector	Feasibility:	Yes			
8. DATE OF S/W	Mar. 1978	Conditions and Development Impacts:	Conditions: 1) Operation of 16 new ships; 2) investment of US\$226.2 million distributed over 5 years (1979-83); 3) the construction of 16 ships to be completed during the same period; 4) annual tariff revenue of US\$14.17 million per ship; 5) 70% of the investment cost to be repaid at the interest rate of 8.5% per annum, and the remaining 30% at the rate of 10.5%, over 7 years; project life of 20 years; and the rate of inflation at 8% per annum. Development impacts: Shipping: 1) 16 new ships will earn US\$300 million in foreign exchange; and 2) improvement of distribution and price stabilization; Shipbuilding: 1) increase of production at KSEW (from US\$6.4 million in 1975/76 to 44.76 million in 1982/83); 2) saving of foreign exchange (12 million); 3) creation of employment (800 skilled workers during 8 years); and 4) enhancement of the level of KSEW technology.			
9. CONSULTANT(S)	Shipbuilding Research Center of Japan	5. TECHNICAL TRANSFER	OJT			
10. STUDY TEAM	No. of Members 6 Period Aug. 1978 - Oct. 1979 (14 months)  Total M/M 16.55 Japan 10 Field 6.55	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None			
12. EXPENDITURE	Total 51,135 (¥000) Contracted 39,849	3. PRINCIPAL SOURCES OF INFORMATION	①			
		2. MAJOR REASONS FOR PRESENT STATUS	Large economic impact			

和名 海運・造船振興計画

{F/S, (M/P)+F/S, D/D}

## PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	West side of Makran Coast/ South of Baluchistan		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Construction Project of a Mini-Port in Gwadar	2. PROJECT COSTS	(US\$1=RS10) Total Cost Local Cost Foreign Cost (US\$1,000) 1) 22,500 3,610 2) 3) 3. CONTENTS OF MAJOR PROJECT(S)		
3. SECTOR	Transportation/ Port	Item	Quantity		(Description) <FY1991 Overseas Survey> 1985-1988 D/D by Belgium Government, etc. 1988 Loan from Belgium Government: BEC 485, 89 Buyers Credit from Consortium Bank: BEC 841, 77 1988-1992 Construction works June 1992 Scheduled to be completed
4. REFERENCE NO.		Breakwater	1,030m		
5. TYPE OF STUDY	F/S	Quay -1.5m	200m		
6. COUNTERPART AGENCY	Port and Shipping Wing Ministry of Communication	-3.0m	740m		
7. OBJECTIVES OF STUDY	Planning a mini-port capable of functioning as a fishing port	Ice, freezing and refrigeration Plant	1 unit		
8. DATE OF S/W	Sep. 1978	Refrigeration vessal	1 unit		
9. CONSULTANT(S)	Overseas Coastal Area Development Institute of Japan and Kiso-jiban Consultants Co., Ltd.	Revetment	500m		
10. STUDY TEAM	No. of Members 16 Period Sep. 1978 - Mar. 1980 (19 months)  Total M/M 72.47 Japan 56.1 Field 16.37	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 3.8%		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Soil condition survey ¥1,630	Feasibility: Yes	Conditions and Development Impacts: Basic condition: (1) Fishing resources in Off-shore Baluchistan are estimated at 400,000 tons per year (2) Population of Gwadar in 2000 is estimated at 80,000 (3) Increase rate of Baluchistan's GDP 1978-83 is 4.64% and 6.23% until 2000. (4) Population was estimated to increase during 1977-83: 1.35 times 84-90: 1.91 times, 91-2000: 3.16 times Development Impacts: (1) Increased fish catch (2) Increased foreign exchange earning by fish exports (3) Increased supply of basic goods through berthing of domestic vessels		
12. EXPENDITURE	Total 182,029 (¥'000) Contracted 184,340	5. TECHNICAL TRANSFER	Study team carried out on the job trainings to counterpart for theory of natural condition survey and port planning		
		2. MAJOR REASONS FOR PRESENT STATUS		3. PRINCIPAL SOURCES OF INFORMATION ①②	





## PROJECT SUMMARY (M/P + F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT																		
1. COUNTRY	Pakistan	1. SITE OR AREA	Karachi		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Discontinued or Cancelled																	
2. NAME OF STUDY	Introduction of Containerization	2. PROJECT COSTS	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>115,472</td> <td>43,299</td> <td></td> </tr> <tr> <td>2)</td> <td>103,018</td> <td>38,594</td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	115,472	43,299		2)	103,018	38,594		3)				
	Total Cost	Local Cost	Foreign Cost																				
1) (US\$1,000)	115,472	43,299																					
2)	103,018	38,594																					
3)																							
3. SECTOR	Transportation/ Port	3. CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th></th> <th>Karachi</th> <th>Qasim</th> </tr> </thead> <tbody> <tr> <td>Urgent Improvement Plan</td> <td></td> <td></td> </tr> <tr> <td>Container berth</td> <td>600m</td> <td>600m</td> </tr> <tr> <td>Container Terminal</td> <td>282,400sq.m</td> <td>282,400sq.m</td> </tr> <tr> <td>Railway</td> <td>11,700m</td> <td>5,500m</td> </tr> <tr> <td>Roads</td> <td>4,700m</td> <td>2,500m</td> </tr> </tbody> </table>			Karachi	Qasim	Urgent Improvement Plan			Container berth	600m	600m	Container Terminal	282,400sq.m	282,400sq.m	Railway	11,700m	5,500m	Roads	4,700m	2,500m	(Description)  -Suspended after F/S. -It is expected that the project will be implemented when the cargo volume increase in the future. -The basic infrastructure was constructed in 1986 as 1st stage by ADB loan in the Qasim Port. -After the 1st stage project, there was an expansion project in the port, but the latest Master Plan in 1982 did not suit the actual conditions of the port. Therefore, a review of Master Plan was required and the government of Pakistan examined agencies for request of reviewing Master Plan in 1990. Great Britain was nominated for the study and G.B. has had intention to do the study, but the study work has not carried out yet.
	Karachi	Qasim																					
Urgent Improvement Plan																							
Container berth	600m	600m																					
Container Terminal	282,400sq.m	282,400sq.m																					
Railway	11,700m	5,500m																					
Roads	4,700m	2,500m																					
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th></th> <th>EIRR</th> <th>FIRR</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td>14.3%</td> <td>11.2%</td> </tr> <tr> <td>2)</td> <td>12.2%</td> <td></td> </tr> </tbody> </table> Feasibility: Yes			EIRR	FIRR	1)	14.3%	11.2%	2)	12.2%											
	EIRR	FIRR																					
1)	14.3%	11.2%																					
2)	12.2%																						
5. TYPE OF STUDY	(M/P)+F/S	Conditions and Development Impacts:	Conditions: Container cargo volume is predicted based on the feasibility study in 1978 and 1980 by import/export, cargo items and sea route. It is assumed that tariff is raised by 25% according to a financial analysis. Development Impact: It is possible for Karachi Port to make efficient the existing cargo handling facilities and deal with the container cargo which is expected to rapidly increase in the near future, and to raise economic activities in Pakistan by implementing this project.																				
6. COUNTERPART AGENCY	Ports and Shipping Wing, Ministry of Communication	5. TECHINCAL TRANSFER	Counterpart training (4 persons) Instruction on method of port planning and feasibility study																				
7. OBJECTIVES OF STUDY	Preparation of long-term project and short-term developmet plan of container terminal																						
8. DATE OF S/W	Jul.1980																						
9. CONSULTANT(S)	Overseas Coastal Area Development Institute of Japan																						
10. STUDY TEAM	No. of Members 10 Period Nov.1980 - Mar.1982 (16 months)  Total M/M 67.4 Japan 49.6 Field 17.8																						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																							
12. EXPENDITURE	Total 142,298 (Y'000) Contracted 134,266																						
			2. MAJOR REASONS FOR PRESENT STATUS																				
			Worsening of economic conditions																				
			3. PRINCIPAL SOURCES OF INFORMATION																				
			①																				

**PROJECT SUMMARY (F/S)**

ASO PAK/A 301/82

Compiled March 1990  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	Kachhi Plain, Baluchistan Province (Head of Indus River) Area 250,000 sq.m		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Agricultural Development Project with Widening of Pat Feeder Canal	2. PROJECT COSTS	Total Cost	Local Cost	
3. SECTOR	Agriculture/ Irrigation, Drainage, & Reclamation		(US\$1,000) 1) 3,196,810 2) 4,172,000 3)		
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	-Desert Pat Feeder canal : 11.1km Pat Feeder canal : 187.2 km Extension of Distributaries : 375 km -Improvement and Construction of related canal structure -Construction of minor canal: 1,224km -Aerial survey		
5. TYPE OF STUDY	F/S	Note:	Cost 1) above is for case 3 and 2) is for case 4.		
6. COUNTERPART AGENCY	Ministry of Economy, Baluchistan Provincial Bureau of Water Power Generation	Implementation Period:	Jun.1982 - Dec.1982		
7. OBJECTIVES OF STUDY	Feasibility study on the improvement planning of irrigation and drainage	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
8. DATE OF S/W	Feb.1982	Feasibility:	1) 16.0%	2) 14.6%	
9. CONSULTANT(S)	Sanyu Consultants Inc.	Conditions and Development Impacts:	Conditions: Opportunity cost of capital 12.5%		
10. STUDY TEAM	No. of Members 12 Period Feb.1982 - Jan.1983 (12 months)  Total M/M 47.80 Japan 28.70 Field 19.10	Development Impacts:	Planting will be done in 60% or 50% of the field in each planting period in the district of 250,000ha.		2. MAJOR REASONS FOR PRESENT STATUS  As yen-credit then did not include the part of the works in local currency, the Pakistani Government requested ADB finance for the most part of the project.
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER	In the process of survey and study, technology was transferred to the local counterparts.		3. PRINCIPAL SOURCES OF INFORMATION  ①
12. EXPENDITURE	Total 127,562 (Y'000) Contracted 119,996				

和名 バットフィーダー水路拡張計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (M/P)

ASO PAK/S 101/83

Compiled March 1986  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Pakistan	1. SITE OR AREA	Entire country		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued	
2. NAME OF STUDY	National Transport Plan	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost		Foreign Cost
3. SECTOR	Transportation/ General	(US\$1,000) 1) 2)	3. MAJOR PROJECT(S) PROPOSED			(Description) The master plan was incorporated into the transport sector of the 6th Five-Year Development Plan (1983-87). Feasibility studies were undertaken on major airports (Karachi, Lahore and Islamabad).
4. REFERENCE NO.		The study covered 1) roads and road transportation, 2) railways, 3) ports, 4) shipping, 5) aviation and airports, and 6) other transportation modes. Major proposals are as follows: - Improvement of database on transport and traffic - Improvement and expansion of MTRC - Comprehensive study on inland water ways - Introduction of containerization and related adjustments of transport modes				
5. TYPE OF STUDY	M/P	4. CONDITIONS AND DEVELOPMENT IMPACTS				
6. COUNTERPART AGENCY	Planning and Development Division	Development impacts: The comprehensive transportation development plan will contribute to the realization of the integrated and efficient transport system by reducing the diseconomy of sectionalism in development planning by mode of transportation. The most important point is to establish optimum mix of modes in development planning.				
7. OBJECTIVES OF STUDY	Formulation of a master plan for nation-wide transport development	5. TECHNICAL TRANSFER				
8. DATE OF S/W	Sep.1981	1. Participation of 3 counterparts in JICA training program 2. OJT				
9. CONSULTANT(S)	Mitsui Knowledge Industry	3. PRINCIPAL SOURCES OF INFORMATION				
10. STUDY TEAM	No. of Members 18 Period Dec.1981 - May 1983 (18 months)  Total M/M Japan Field	①				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY						
12. EXPENDITURE	Total 326,297 (¥'000) Contracted					
2. MAJOR REASONS FOR PRESENT STATUS						

和名 全国総合交通計画

{M/P, M/P+(F/S), Basic Study, Other}



**PROJECT SUMMARY (F/S)**

ASO PAK/S 303/84

Compiled March 1988  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Pakistan	1. SITE OR AREA	Islamabad City ,Rawalpindi City			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Conduction of Water from Khanpur to Islamabad/Rawalpindi	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost		
3. SECTOR	Public Utilities/ Water Supply		(US\$1,000)			(Description)	
4. REFERENCE NO.			1) 113,235	66,435	46,800		
5. TYPE OF STUDY	F/S		2) 32,824	19,406	13,418		
6. COUNTERPART AGENCY	Capital Development Authority (CDA)	3. CONTENTS OF MAJOR PROJECT(S)	3) 24,529	15,835	8,694		
7. OBJECTIVES OF STUDY	Study on the establishment of stable water supply system in Capital Area		Equipment & Scale Ran Water Conveyance Intake Tower: 6.74cu.m/sec Facility Aquaduct : 13.1km Water Filtration Max.Capacity 522,000cu.m/day Plant Distribution Main Line 700mm-1.5km(2 lines) 1.500mm-1.6km 1.500mm-6.5km(2 lines) Distribution Pond 13,000cu.m,PC Type X 2 16,000cu.m,PC Type x 1				
8. DATE OF S/W	Dec.1983	4. FEASIBILITY AND ITS ASSUMPTIONS	Note: The a/m costs are 1) for Phase I, 2) for Phase II and 3) for Phase III. Implementation Period: 1) 1985 - 1992 2) 1992 - 1995 3) 1996 - 2000				
9. CONSULTANT(S)	Sanyu Consultants Inc. Nihon Suido Consultants Co.,Ltd.		EIRR FIRR 6.2% 6.6% Feasibility: Yes				
10. STUDY TEAM	No. of Members 9 Period Jul.1984 - Mar.1985 (9 months)  Total M/M 61.98 Japan 21.49 Field 40.49		Conditions and Development Impacts: Prior conditions: EIRR FIRR (1) Recovery Period 24 years 36 years (2) Discount Rate 0% 0% Benefit (Rp.million) 19,858 27,260 Cost ( " ) 6,410 17,040 Net Current Value(*) 13,248 10,219 Benefit Cost Ratio 3.07% 1.60% Development Impacts: Supply of city water (Average 420,000T/day. Max. 523,600T/day)to 2 cities of Islamabad and Rawalpindi. (Target of completion: year 2000) The whole projects is divided into 3 phases and scheduled to take 15 years between 1985 and 2000.				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	Acceptance of 3 trainees from the local counterpart				
12. EXPENDITURE	Total 170,231 (¥'000) Contracted 166,887						
					2. MAJOR REASONS FOR PRESENT STATUS		
					3. PRINCIPAL SOURCES OF INFORMATION	①②	

和名 カンプールダム・イスラマバード・ラワルピンディ導水計画

(F/S, (M/P)+F/S, D/D)

**PROJECT SUMMARY (M/P)**

ASO PAK/A 101/85

Compiled March 1990  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Pakistan	1. SITE OR AREA	Islamabad capital territory (rural area: 59,500ha)		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Integrated Rural Development Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=215Yen in 1985 Total Cost    Local Cost    Foreign Cost 1)                    210,925 2)		
3. SECTOR	Agriculture/ General	3. MAJOR PROJECT(S) PROPOSED	<p>(1) Model Integrated Rural Area Development (MIRAD) Project The project is located in rural area of Islamabad capital district. the project components include water supply by way of groundwater, small scale irrigation, road construction (35km), construction of agricultural machinery stations (10 units) and agricultural development stations (6 units).</p> <p>(2) Upper Kurang Irrigation Project (UKIP) The project is located in rural area of Islamabad capital district. Water source will be from the surface water of the Kurang river which runs through the central part of the capital district, and from groundwater to be tapped in the southern part of the project area. The irrigation area will be approximately 6,300ha in total.</p>		(Description) (1) Basic design for MIRAD was done in 1988 (Nippon Giken). This was followed by detailed design, and construction which is now in progress. (2) Feasibility study for UKIP was done in 1988 (Sanyu Consultants and Nippon Giken latest situation is unknown).
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS			
5. TYPE OF STUDY	M/P	10. STUDY TEAM	<p>(1) Increase of agricultural production (increase of food crops production by way of irrigation project and increase in livestock production)</p> <p>(2) Increase of farmers' income (increase in farmers' income as a result of increased production as well as increased employment opportunities)</p> <p>(3) Increase of employment opportunities (increase in overall employment opportunities due to intensive utilization of land resources for agriculture as well as non-agriculture uses)</p> <p>(4) Upgrading of living standards (improvement of living standards of rural population due to increased agricultural production and increased employment opportunities)</p> <p>(5) Environmental improvement (environmental improvement as a result of soil conservation schemes including reforestation, grassland development vegetation protection, etc.)</p>		2. MAJOR REASONS FOR PRESENT STATUS
6. COUNTERPART AGENCY	Ministry of Local Government and Rural Development, Capital Development Authority (CDA)	9. CONSULTANT(S)			
7. OBJECTIVES OF STUDY	Integrated rural development in Islamabad capital territory	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	5. TECHNICAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION
8. DATE OF S/W	Nov.1984	12. EXPENDITURE			
9. CONSULTANT(S)	Chuo Kaihatsu Corporation Nippon Giken Japan Engineering Consultants Co.,Ltd.		(1) Training in Japan (2 persons) (2) OJT		①
			Total                    212,498 (¥'000) Contracted            195,893		

和名 農村総合開発計画

(M/P, M/P+(F/S), Basic Study, Other)

**PROJECT SUMMARY (M/P)**

ASO PAK/A 102/86

Compiled March 1990  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Pakistan	1. SITE OR AREA		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Paddy/Rice Handling and Processing Improvement Project	Punjab, Sind			
3. SECTOR	Agriculture/ Agricultural Processing	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1-15 Yen In Aug. 1986, Rel-13 Yen Total Cost    Local Cost    Foreign Cost 1)                    569,346 2)	(Description) 1. Project "1" was developed and carried out in the form of production and dissemination by private enterprises. 2. Project "2" was developed and carried out in the form of production and dissemination by the manufactures of agricultural machinery. 3. Project "3" and "4" were not materialized because high priority was not given to those projects "Wharf Facilities Improvement Project for Export Rice" by RECP was derived from this M/P and it is under consideration.  (FY 1991 Overseas Survey) No additional information was reported.	
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			
5. TYPE OF STUDY	M/P	1. Direct rental operation of harvesting machines to the farmers for the harvest of rice and wheat crops.			
6. COUNTERPART AGENCY	Ministry of Food and Agriculture	2. Rental operation of rubber-roll husker to the collaborating rice mills.			
7. OBJECTIVES OF STUDY	Improvement of postharvest practice of rice	3. Production of edible oil from rice bran through processing facility and relevant technology from which highly sophisticated use of the rice bran is much improved. In addition, the facility can be used for other local oil seeds and will increase efficiency of oil extraction then ultimately will save oil importation and foreign currency be involved.			
8. DATE OF S/W	Mar. 1985	4. Establishment of facilities for improving and developing postharvest technology in order to meet the farmers' request as well as requirement, necessary test and adjustment shall be made for the relevant postharvest machinery. At the same time necessary training for the handling and operation of the said machinery for the farmers is also implemented for the reasonable use of the by-products of the agricultural produce concerned together with the required implementation of the facility and machinery to go with.			
9. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd. Nippon Koei Co., Ltd. System Science Consultants Inc.	4. CONDITIONS AND DEVELOPMENT IMPACTS			
10. STUDY TEAM	No. of Members 13 Period Jul. 1985 - Aug. 1986 (14 months)  Total M/M 50.15 Japan 16.18 Field 33.97	Development Impacts: 1. Minimizing qualitative and quantitative losses of rice which occurred at each stage of postharvest operation 2. Supplying higher quality rice at low cost to both domestic and foreign markets 3. Increasing the income of farmers by rationalizing their farming practice and increases the foreign currency through the export concerned.			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER			
12. EXPENDITURE	Total 160,150 (¥'000) Contracted 142,126				
				2. MAJOR REASONS FOR PRESENT STATUS	
				"What if Facilities Improvement Project for Export Rice" was positively discussed during this survey. However, it was not materialized because RECP is under Ministry of Commerce and the executing agency for this project is Ministry of Food & Agriculture.	
				3. PRINCIPAL SOURCES OF INFORMATION	
				①, ②	

和名 米穀收穫後処理法改善計画

(M/P, M/P+(F/S), Basic Study, Other)





## PROJECT SUMMARY (M/P)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Pakistan	1. SITE OR AREA	Capital Area (the Province of Punjabi)			1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Water Resources Development Potential for the Metropolitan Area of Islamabad / Rawalpindi	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=17.0Rs)			(Description)	<p>The project components as described below has been commenced the project implementation. The recommended project components other than the above will be executed based on supply and demand balance status for urban water supply in Metropolitan area.</p> <p>1) OECF financed the conduction of water from Khanpur to Islamabad/Rawalpindi.            2) OECF loan agreement was signed in March 1989 on Simly Dam (5,750 million yen)</p> <p>(FY 1991 Overseas Survey)            13 million Rs was prepared for the F/S survey of Cherah dam, but it was postponed until the completion of Khanpur irrigation project.</p>
3. SECTOR	Social Infrastructures/ Water Resource Development		Total Cost	Local Cost	Foreign Cost		
4. REFERENCE NO.		(US\$1,000)	1) 970,588	533,823	436,765		
5. TYPE OF STUDY	M/P	2)					
6. COUNTERPART AGENCY	Capital Development Authority	3. MAJOR PROJECT(S) PROPOSED					
7. OBJECTIVES OF STUDY	Investigation into the Possibility of water resource development in capital area	(1) Improvement of the control system for 3 existing dams (Rawal, Simly and Khanpur)					
8. DATE OF S/W	Aug. 1986	(2) Construction of 5 new dams in Haro, Dor and Soan Rivers					
9. CONSULTANT(S)	Sanyu Consultants Inc. Yachiyo Engineering Co., Ltd	(3) Establishment of the integral control system for above 8 dams for the effective use of water sources					
10. STUDY TEAM	No. of Members 11 Period Nov.1986 - Feb.1988 (16 months)	4. CONDITIONS AND DEVELOPMENT IMPACTS					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Investigation of aquifer by electric research method and related survey	On an assumption of the population of 3,267,000 in the capital area in the final target year 2030, and water demand of 475.1 per capita, water source of 566.4(1,000 sq.m) has to be required. In order to reserve 830(1,000 cu.m) including 212(1,000 cu.m) for the airport and industrial use, the execution of the above project is needed. For the planning of new dams and the establishment of the control system, further F/S is required.				2. MAJOR REASONS FOR PRESENT STATUS	
12. EXPENDITURE	Total 227,291 (¥000) Contracted 212,954	5. TECHINCAL TRANSFER				3. PRINCIPAL SOURCES OF INFORMATION	
		(1) Explanation of various analysis methods				①②	
		(2) Training of an engineer in charge of geology in Japan (Analysis of aquifer by means of computer)					

PROJECT SUMMARY (F/S)

ASO PAK/A 302/86

Compiled March 1990  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	Baluchistan, Quetta and Kalat areas (40,000 ha, 11,500 people)			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Baluchistan Irrigation Development Project through Groundwater Development	2. PROJECT COSTS	US\$1=17.5Rs.in 1987 Total Cost Local Cost Foreign Cost (US\$1,000) 1) 1,826 1,278 548 2) 3)			
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Wells (18") : 18 Arterial drainage : 1 km Farm pond : 3 Arterial farm road : 1.6 km			(Description)  It is suspended because of lack of funds
4. REFERENCE NO.		Implementation Period:	1988 - 1990			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
6. COUNTERPART AGENCY	Ministry of Economic Affairs and Finance, Government of Pakistan.Government of Baluchistan	Feasibility: Yes	12.9%			
7. OBJECTIVES OF STUDY	F/S evaluation for agricultural development basing on groundwater research for fissure water	Conditions and Development Impacts:	Preconditions: -Farm size to be more than 5.0ha -Well capacity to be more than 10.0 lit./sec -3 years cropping rotation with vegetable and fruit -27km approach road and 22km feeder line to be subsidized by the Government			
8. DATE OF S/W	Mar. 1986	Impacts:	-Improving regional differences -Improving managed agriculture -Improving regional traffic -Improving the level of public hygiene			
9. CONSULTANT(S)	Pacific Consultants International Nihon Norin Helicopter Co., Ltd. Sanyu Consultants, Inc.	5. TECHINCAL TRANSFER	1.Acceptance of trainees(3) 2.Providing machinery and instruction on its use 3.OJT			
10. STUDY TEAM	No. of Members 20 Period Jun.1986 - Mar.1987 (10 months)  Total M/M 78.34 Japan 36.69 Field 41.65	3. PRINCIPAL SOURCES OF INFORMATION	①			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological Survey	2. MAJOR REASONS FOR PRESENT STATUS	As the priority of the project is low compared to other projects, enough funds have not been collected			
12. EXPENDITURE	Total 346,111 (¥000) Contracted 327,436					

和名 バルチスタン州地下水かんがい開発計画

{F/S, (M/P)+F/S, D/D}

## PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	Irrigation development with 6,600 ha irrigable area through water resources development of upper Kurang River			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Upper Kurang River Irrigation Project	2. PROJECT COSTS	(US\$1=17.3rupee in 1987)			
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost	(Description)  After the completion of F/S study, the Government of Pakistan has decided to suspend the project, because the benefitable area of the project engulfs part of city districts (which is called park areas by the Government of Pakistan).  However, Sanyu Consultants Inc. is recently requested by the Government of Pakistan to make a conception paper for the project in order to coordinator among the authorities concerned, and it is submitted in Feb., 1990 to the Government of Pakistan.  As of September 1991, federal government is being under consideration due to high water cost compared to similar projects in different sectors.
4. REFERENCE NO.			1) 76,902	38,318	38,584	
5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)	2) (US\$1,000)			
6. COUNTERPART AGENCY	Islamabad Capital Territory Administration (ICTA)	- Water resources: K-2 dam (zone-type fill dam whose height and effective capacity is 53 m and 18.5 MCM, respectively)	3)			
7. OBJECTIVES OF STUDY	Feasibility study on the irrigated agricultural development in the metropolitan area of Islamabad	- Canal: Total length of main and branch canals is 130 km				
8. DATE OF S/W	Feb. 1988	- Oh-farm facilities: 6,600 ha				
9. CONSULTANT(S)	Sanyu Consultants Inc. Nippon Giken	- Road Network: 18.6 km				
10. STUDY TEAM	No. of Members 10 Period 1987 - Mar. 1988 ( months)  Total M/M 50.44 Japan 19.00 Field 31.44	- Agriculture-supporting facilities: Buildings, agricultural machinery, etc.				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	-rock test -embankment material test -physical test for field irrigation soil -water quality test -soil analysis	Implementation Period: Jul. 1987 - Feb. 1988				
12. EXPENDITURE	Total 173,991 (¥'000) Contracted 155,446	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 13.0%	FIRR 12.7%		
		Feasibility:			2. MAJOR REASONS FOR PRESENT STATUS	
		Conditions and Development Impacts: The water resources development of upper Kurang River, together with effective utilization of irrigation water for rainfed paddy production in the rural areas of Islamabad capital territory, brings about better supply of vegetables, fruit, and daily products which requires quick delivery to the neighboring big markets in the capital territory, and improve/stabilize the regional farm households' economy.			The higher priority is put on the project in the integrated rural development master plan from 1985 to 1986. However, it may be changed water utilization from irrigation to urban water supply due to project economy and cost recovery.	
		5. TECHNICAL TRANSFER			3. PRINCIPAL SOURCES OF INFORMATION	
		Transfer to government officials in Pakistan and Japan was done.			①	

和名 クラング川上流かんがい開発計画

[F/S, (M/P)+F/S, D/D]



## PROJECT SUMMARY (M/P + F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	Shangla Par District in NWFP			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Swat District Integrated Rural Development Project	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Agriculture/ General		(US\$1,000) 1) 99,710	45,270	54,140	(Description)  Pre-feasibility study was made on the first priority project selected among the masterplan area, for which Pakistan Government will request to the Japanese Government the Grant-aid of FY 1991.  The component of the project will be as follows: - Agricultural Infrastructure Improvement - Agricultural Development - Road Networks Improvement - Village Water Supply  Estimated Cost: US\$15.19 million
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	The following projects will be conducted short & middle term wise and long term wise. - Agricultural infrastructure improvement: Improvement of irrigation facilities for 9 (nine) sub-projects with irrigable area of about 2,800ha. - Agricultural supporting services: Consolidation of facilities related to the agricultural extension, soil conservation and livestock raising and its technical cooperation. - Improvement of road and communication networks: Newly construction of road with 322km and improvement of 534km long. - Rural electrification: Served household of 210,000. - Village water supply: Served household of 200,000. - Social infrastructure improvement: Consolidation of facilities related to education, medical care and sanitary aspects. - Village community: Construction of village link road.			
5. TYPE OF STUDY	(M/P)+F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
6. COUNTERPART AGENCY	NWFP, Local Government and Rural Development Department	Feasibility:				
7. OBJECTIVES OF STUDY		Conditions and Development Impacts:				
8. DATE OF S/W	Apr. 1988	1. Development strategy				
9. CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International	- To increase family income and expansion of employment opportunity - To emphasize rural area development by the infrastructure consolidation				
10. STUDY TEAM	No. of Members 9 Period Oct. 1988 - Dec. 1989 (15 months)  Total M/M 49.77 Japan 20.59 Field 29.18	2. Impact of development project It is envisaged that expansion of agricultural production, employment opportunity and increased income, grading up living standard, infrastructure development can be secured by the project executions.				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				
12. EXPENDITURE	Total 165,783 (¥000) Contracted 158,592	On the job training for the counterpart staff and training in Japan for the staff of Rural Development Department				
		2. MAJOR REASONS FOR PRESENT STATUS			Increase of living standard and improvement of living environment of the village farmers of the mountain belt areas will be required.	
		3. PRINCIPAL SOURCES OF INFORMATION			①	

## PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	Islamabad City, and around the country			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Establishment of the Second TV Channel for Education	2. PROJECT COSTS	US\$1=19.57P.Re=130Yen			
3. SECTOR	Communications & Broadcasting/ Broadcasting		Total Cost	Local Cost	Foreign Cost	(Description)  The Exchange of Note for grant aid was signed on December 10, 1989 for the 1st year's project and for the 2nd year project the E/N was signed on 27 June 1990. On the basis of these grants, the first 2 years project plan (PC-1 Form) was submitted to the Pakistan Government by PTV. This PC-1 Form was approved officially by the Pakistan Government. The first year's project to construct Islamabad ETV Center and installation of the 4 rebroadcast transmitter stations were completed. At present the 2nd year project is proceeding for installation of 12 rebroadcast transmitter stations and at the same time installation of Islamabad and Karachi U/D Links plus 14 TVROs for the rest rebroadcast stations. The implementation schedule is to complete those installation works by the end of February in 1992.
4. REFERENCE NO.			1)	130,955	81,904	
5. TYPE OF STUDY	F/S		2)	32,000	6,100	
6. COUNTERPART AGENCY	Pakistan Television Corporation Ltd. (PTV)	3. CONTENTS OF MAJOR PROJECT(S)	3)		26,900	
7. OBJECTIVES OF STUDY	Feasibility Study	The establishment of the second TV channel for education in the Islamic Republic of Pakistan. In the first 2 years project contents are: -Construction of a TV programme production centre in Islamabad. -Supply and installation of broadcasting equipment for the above mentioned ETV Centre. -TV programme transmission facilities via satellite(consist of 2 up/down link earth stations and 14 TV ROs). -Supply and installation of ETV transmitter and antenna for each of 12 rebroadcast stations. Upon completion, 56% population coverage is achieved. In the later 3 years -Construction of ETV centers in Karachi and Lahore. -Supply and installation of ETV production equipment. -ETV transmitter and antennas for the rest 30 rebroadcast stations. Upon completion 98% of population coverage will be achieved.				
8. DATE OF S/W	Sep.1988	Implementation Period:	1)	1990 - 1995		
9. CONSULTANT(S)	All Japan Radio & Television Engineering Services Co.,Ltd. Nippon Sogo Architects & Engineers	4. FEASIBILITY AND ITS ASSUMPTIONS	2)	1990 - 1991		
10. STUDY TEAM	No. of Members 14 Period Jan.1989 - Sep.1989 (9 months)  Total M/M 49.76 Japan 23.04 Field 26.72	Feasibility:	EIRR	FIRR		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: The current literacy rate in Pakistan is about 30%. However, with rapid increase of population (estimated to double in 20 years), the rate is likely to decline without an effective mass education program. The (mass) education of the people is the urgent task of national politics. The establishment of the second TV channel for education is an important step to improve the level of literacy, and to launch mass education programs on family planning, child health. TV is the most suitable media for the purpose.	15.26%			
12. EXPENDITURE	Total 157,101 (¥'000) Contracted 159,273	5. TECHNICAL TRANSFER				
		Technical transfer was done on channel allocation, post production, procedure for programme production, audio dubbing and programme transmission via satellite.			2. MAJOR REASONS FOR PRESENT STATUS Although the F/S was conducted on the basis of a loan financial support, Pakistan Government requested grant aid from Japanese Government due to the financial difficulties. Japanese Government accepted the request for the first 2 years project contents.	
					3. PRINCIPAL SOURCES OF INFORMATION ①	

和名 教育テレビチャンネル設立計画

(F/S, (M/P)+F/S, D/D)



PROJECT SUMMARY (F/S)

ASO PAK/A. 304 /90

Compiled March 1992  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	Malis River Basin situated about 20km north west of Karachi city, Total area is 30,000ha			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Water Resources Development Project in Malis Basin	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Agriculture/ General		1) 31,900	2) 5,680	3) 26,220	(Description)  Under promotion in the Government of Pakistan for OECF loan.  <1991 Survey of JICA overseas office> No additional information.
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	<ul style="list-style-type: none"> <li>- Construction of Khadeji Dam: the max. amount of pondage 35.5MCM</li> <li>- Construction of Mol Dam: the max. amount of pondage 43.83MCM</li> <li>- Demonstration Pilot Farm</li> <li>- Development of irrigation area (4,350ha)</li> </ul>			
5. TYPE OF STUDY	F/S		Implementation Period: Apr. 1991 - Mar. 1995			
6. COUNTERPART AGENCY	Government of Sindh	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
7. OBJECTIVES OF STUDY	To Formulate Water Resource Development Project		10.65%	Feasibility:		
8. DATE OF S/W	Feb. 1989	Conditions and Development Impacts: Development Impacts A large improvement in the standard of life of farmers including peasants is expected.				
9. CONSULTANT(S)	Nippon Koei Co., Ltd.	<ul style="list-style-type: none"> <li>- Stable Supply of Water</li> <li>- Increase of Employment Opportunity</li> <li>- Increase of Crop Production and Stable Supply of the Products to the Karachi City</li> <li>- Increase of Farmer's Income</li> <li>- Improvement of Water Quality</li> <li>- Food Mitigation Effects</li> <li>- Improvement of Agro-technology</li> <li>- Demonstration Effect of Pilot Farm</li> </ul>				
10. STUDY TEAM	No. of Members Period Aug. 1989 - Nov. 1990 (15)  Total M/M 47.17 Japan 16.74 Field 30.43	5. TECHINCAL TRANSFER				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		<ul style="list-style-type: none"> <li>- Technology transfer to counterparts in the course of the study</li> <li>- Training of counterparts in JICA training course</li> </ul>				
12. EXPENDITURE	Total 152,552 (¥000) Contracted 147,613	3. PRINCIPAL SOURCES OF INFORMATION				
		①, ②				

和名 マリル川流域農業開発計画

{F/S, (M/P)+F/S, D/D}

**PROJECT SUMMARY (F/S)**

ASE PHL/S 303 /76

Compiled March 1986  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Manila			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Manila Rapid Transit Railway Line No.1	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Transportation/ Railway	(US\$1,000)	1) 547,000	2) 282,000	3)	(Description)  The subway project was cancelled as follows.  1. According to the decision made by the President's Office in 1979, this project was started with a Belgian grant. The original plan was the surface railway transit. 2. Afterwards, the plan was changed to the elevated railway transit (LRT) and consequently required additional loans, including Loydo/Sumitomo, Swiss Transfer Credit, LRT Bond. 3. This LRT No.1 route replaced Subway No.1 route. Total length was about 14 km. 4. This LRT project was completed in December, 1985. Number of passengers : 250,000/day. 5. Construction committee for LRT No. 2 has been established within DOTC.
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	Content : Route selection : Station building : Power supply facilities : Communications facilities : Signalling : Operation and Maintenance Length : 20km			
5. TYPE OF STUDY	F/S	Implementation Period:	Jan.1980 - Jul.1987			
6. COUNTERPART AGENCY	Planning & Project Development office, Public Works Dept., Transport & Communication	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
7. OBJECTIVES OF STUDY	Urban Public Transportation	Feasibility:	No			
8. DATE OF S/W	Jul.1974	Conditions and Development Impacts:	Conditions: - Traffic demand forecast was made on the basis of person trip survey (1971) and mass transit service survey (1975). - survey area was Greater Manila Area including 4 cities and 15 towns. Development impact: It is to meet future traffic demand which cannot be met by roads surface roads.			
9. CONSULTANT(S)	Pacific Consultants International	5. TECHNICAL TRANSFER	-Technique for future traffic demand forecasting -Overseas training in Japan -Environmental assessment method			
10. STUDY TEAM	No. of Members 12 Period Apr.1975 - Jun.1976 (14 months)  Total M/M 90.42 Japan 53.34 Field 37.08	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				
12. EXPENDITURE	Total 178,914 (¥'000) Contracted 242,970	2. MAJOR REASONS FOR PRESENT STATUS	The alternative transit system was implemented.			
		3. PRINCIPAL SOURCES OF INFORMATION	①			

和名 マニラ地下鉄 (1号線) 計画

(F/S, (M/P)+F/S, D/D)

## PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Subic Bay in southwestern Luzon (100km from Manila)			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Construction Plan of Subic Ship Repair Yard	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Transportation/ Marine Transportation & Ships	(US\$1,000)	1) 66,530	2) 29,370	3) 37,160	(Description) Sept.1977 OECF E/S loan agreement (265 million yen) Mar. 1979 OECF loan agreement (10,855 million yen)
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	1) Desiltation and reclamation (1 million cu.m) 2) Revetment (-15m:250m, -3m:100m, -2m:360m, -1m:80m) 3) Wharf (-9m, 700m) 4) Dock yard (350m x 65m x 13m, concrete pile base, steel-reinforced concrete) 5) Quay and dolphin (25m x 160m, of which dolphin 20m x 25m, holding equipment) 6) Repair plant (2 main bldgs., 1 ancillary bldg., a set of equipment)			
5. TYPE OF STUDY	F/S	Implementation Period:	1976 - 1980			
6. COUNTERPART AGENCY	Maritime Industry Authority	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
7. OBJECTIVES OF STUDY	Feasibility analysis of a ship repair yard	Feasibility:	Yes			
8. DATE OF S/W		Conditions and Development Impacts:	The capacity of the dock yard is determined on the basis of the projected cargo volume passing the western side of the Philippines toward Southeast Asia and Far East, and the Philippines fleet of 10,000GT. Development impacts: 1) Foreign exchange earnings and saving 2) Creation of employment (1,600 workers at the repair plant) 3) Increased markets for domestic materials			
9. CONSULTANT(S)		5. TECHNICAL TRANSFER				
10. STUDY TEAM	No. of Members 6 Period Jan.1976 - Apr.1976 (3 months)  Total M/M Japan Field					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY						
12. EXPENDITURE	Total Contracted 13,226 (¥'000)					
			2. MAJOR REASONS FOR PRESENT STATUS			
			3. PRINCIPAL SOURCES OF INFORMATION			

和名 スービック修理用造船所建設計画

(F/S, (M/P)+F/S, D/D)

## PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Bataan Shipyard (Manila Bay and Marivelez)			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Pan-Philippine Highway Ferry Service Plan	2. PROJECT COSTS	(US\$1=292.8yen)			
3. SECTOR	Transportation/ Marine Transportation & Ships		Total Cost	Local Cost	Foreign Cost	(Description) Nov.1978 OECF loan agreement (3,000 million yen)
4. REFERENCE NO.		(US\$1,000)	1) 9,904	1,707		
5. TYPE OF STUDY	F/S		2)			
6. COUNTERPART AGENCY	Dept.of Public Highway		3)			
7. OBJECTIVES OF STUDY	Feasibility analysis of the construction car ferries	3. CONTENTS OF MAJOR PROJECT(S)	Construction of 2 ferries (59m) One ferry will be built in Japan and the other in the Philippines (BASECO Shipyard).			
8. DATE OF S/W		Implementation Period:	1978 - 1980			
9. CONSULTANT(S)		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
10. STUDY TEAM	No. of Members 4 Period Jan.1976 - Jun.1976 (5 months)  Total M/M Japan Field	Feasibility: Yes	10.0%	8.0%		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: The IRR is 10% for the ferry to be built in Japan and operated in the San Bernardino Strait, and 8% for the ferry to be built in the Philippines and operated in the Surigao Strait. The project will provide efficient inter-island and coastal transport link and contribute to the transfer of shipbuilding technology.				
12. EXPENDITURE	Total Contracted 8,550 (¥000)	5. TECHINCAL TRANSFER				
			2. MAJOR REASONS FOR PRESENT STATUS			
			3. PRINCIPAL SOURCES OF INFORMATION			

和名 フェリー計画

{F/S, (M/P)+F/S, D/D}

## PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Cagayan River Basin of Cagayan Province		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Cagayan Integrated Agricultural Development Project	2. PROJECT COSTS	Total Cost	Local Cost	
3. SECTOR	Agriculture/ General	(US\$1,000)	1) 2) 3)		
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	Projects Areas are in following three areas		(Description) 1977.4.28 OECF L/A ¥6.16 billion 1978 started 1988 completed
5. TYPE OF STUDY	F/S	1. Iguig district A : 900ha	pump	600mm x 3 units	
6. COUNTERPART AGENCY	CIADP related agencies NIA, NEA, PW	2. Alcala Amulung A : 3,000ha	pump	800mm X 3 units	
7. OBJECTIVES OF STUDY		3. Aparri (Lower cagayan) A : 11,000ha	pump	1,500mm X 4 units	
8. DATE OF S/W		Implementation Period:	1977 - 1982		
9. CONSULTANT(S)	Sanyu Consultants, Inc. Other	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
10. STUDY TEAM	No. of Members 10 Period May.1975 - Jun.1976 (13 months)  Total M/M Japan Field	Feasibility:			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts:			
12. EXPENDITURE	Total 91,893 (¥'000) Contracted 82,482	(1) Irrigation Impacts: Complete double cropping has been possible in paddy of 15,000ha in these 3 districts above.			
		(2) Electrification of villages: Village electrification plan was promoted in Aparri district.			
		5. TECHNICAL TRANSFER	Overseas training was done during the period of project implementation		
		2. MAJOR REASONS FOR PRESENT STATUS			
		3. PRINCIPAL SOURCES OF INFORMATION	①		

PROJECT SUMMARY (F/S)

ASE PHL/S 304/77

Compiled March 1986  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Philippines	1. SITE OR AREA	Agno, Bicol and Cagayan Rivers / Luzon Island			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Flood-Forecasting Systems in the Agno, Bicol and Cagayan River Basins	2. PROJECT COSTS	(US\$1=291Yen=7.39P)				
3. SECTOR	Social Infrastructures/ River & Erosion Control		Total Cost	Local Cost	Foreign Cost	(Description)	
4. REFERENCE NO.		(US\$1,000)	1) 6,534	440	6,094		
5. TYPE OF STUDY	F/S		2)				
6. COUNTERPART AGENCY	Weather Bureau P.A.G.A.S.A.	3. CONTENTS OF MAJOR PROJECT(S)	3)				
7. OBJECTIVES OF STUDY	Establishment of flood forecasting and warning systems over the three river basins of the Luzon Island	Flood Forecasting Center		1			
8. DATE OF S/W	Nov.1975	Relay Station		4			
9. CONSULTANT(S)	CTI Engineering Co., Ltd.	Monitor Station		3			
10. STUDY TEAM	No. of Members 15 Period Nov.1976 - Aug.1977 (9 months)  Total M/M 15.7 Japan 6.3 Field 9.4	Telemeter Station		21			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Survey Radio wave propagation Test	Subcenter		3			
12. EXPENDITURE	Total 102,520 (¥'000) Contracted 39,133	Transmission and Receiving Station		2			
		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR			
		Feasibility: Yes					
		Conditions and Development Impacts: The prerequisite is simultaneous commencement of construction of the proposed flood forecasting and warning systems over the three rivers, Agno, Bicol and Cagayan. The merit of development is that by flood information services, it contributes toward effective execution of flood fighting activities, mitigation of loss of lives and personal and public assets and further, it also contributes to maintain stability of social economy and public welfare.					
		5. TECHNICAL TRANSFER					
		1. OJT: During two years of construction period, total of 34 trainees were received for training. 2. Acceptance of trainees: Trainees consisting of 8 specializing hydrology and 11 telecommunication were received for training. 3. Local Consultant: CTIE entered into joint-venture with Basic Technology and Management.					
		Implementation Period: Jan.1979 - Jul.1982					
		2. MAJOR REASONS FOR PRESENT STATUS					
		1. Magnitude of effects 2. Factor of continuation 3. High degree of priority 4. Strength of supporting organizations					
		3. PRINCIPAL SOURCES OF INFORMATION					
		①					

和名 Agno川、Bicol川、Cagayan川、における洪水予警報システムの総合計画設立のための調査

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

ASE PH/LA 302/77

Compiled March 1990  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT																				
1. COUNTRY	Philippines	1. SITE OR AREA	Manila and Cebu			1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																		
2. NAME OF STUDY	Grain Terminal Construction Projects in Manila and Cebu	2. PROJECT COSTS	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th colspan="2">Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000) 1)</td> <td>13,800</td> <td>7,800</td> <td colspan="2">6,000</td> </tr> <tr> <td>2)</td> <td>6,600</td> <td>3,700</td> <td colspan="2">2,900</td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td colspan="2"></td> </tr> </tbody> </table>						Total Cost	Local Cost	Foreign Cost		(US\$1,000) 1)	13,800	7,800	6,000		2)	6,600	3,700	2,900		3)		
	Total Cost	Local Cost	Foreign Cost																						
(US\$1,000) 1)	13,800	7,800	6,000																						
2)	6,600	3,700	2,900																						
3)																									
3. SECTOR	Agriculture/ Irrigation, Drainage & Reclamation	3. CONTENTS OF MAJOR PROJECT(S)	Manila: Construction of 26,000 tons grain terminal silo. Installation of 300 tons/hour pneumatic unloaders. Cebu: Construction of 10,000 tons grain terminal silo. Installation of 150 tons/hour pneumatic unloaders and construction of 2,000 tons/month corn grits mill.  The Cost 1) above pertains to Manila, and the Cost 2) to Cebu (end 1979 prices).  Implementation Period:			(Description)  Unclear																			
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR																					
5. TYPE OF STUDY	F/S	Feasibility:	Conditions and Development Impacts: 1. Cost reduction of imported grain transportation, unloading and storage. 2. Extermination of damage from insects and rodents and prevention of deterioration of grain																						
6. COUNTERPART AGENCY	National Grains Authority	5. TECHNICAL TRANSFER																							
7. OBJECTIVES OF STUDY																									
8. DATE OF S/W																									
9. CONSULTANT(S)	Nisshin Engineering Co., Ltd.																								
10. STUDY TEAM	No. of Members 12 Period Oct. 1976 - Apr. 1977 (7 months)  Total M/M Japan Field																								
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																									
12. EXPENDITURE	<table border="1"> <tbody> <tr> <td>Total</td> <td>72,011 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>61,397</td> </tr> </tbody> </table>	Total	72,011 (¥000)	Contracted	61,397																				
Total	72,011 (¥000)																								
Contracted	61,397																								
					2. MAJOR REASONS FOR PRESENT STATUS	According to the informal release by the JICA's personnel, the local procurement in the counterpart country did not go as expected, and the project has not been realized yet.																			
					3. PRINCIPAL SOURCES OF INFORMATION	①																			

和名 穀物ターミナルサイロ建設計画プロジェクト (マニラ・セブ地区)

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (Basic Study)

ASE PHL/A 501/77

Compiled March 1991  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA	The Gulf of Leyte and the Gulf of Davao		1. PRESENT STATUS	<input type="checkbox"/> In Progress or In Use <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Fish Finding (skipjack) Survey	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost		
3. SECTOR	Fisheries/ Fisheries	(US\$1,000)	1)			(Description) Unknown
4. REFERENCE NO.		2)				
5. TYPE OF STUDY	Basic Study	3. MAJOR PROJECT(S) PROPOSED	During the period of the study, it was a poor catch period in the Gulf of Leyte, and it was between a poor catch period and the beginning of fish visiting period in the Gulf of Davao, therefore the haul was poor. It is necessary to conduct survey in different time to observe the difference of the hauls by the time and to judge the overall situation through a year.			
6. COUNTERPART AGENCY	Bureau of Marine Resources	4. CONDITIONS AND DEVELOPMENT IMPACTS				
7. OBJECTIVES OF STUDY		5. TECHNICAL TRANSFER				
8. DATE OF S/W						
9. CONSULTANT(S)	Japan Marine Fishery Resource Research Center					
10. STUDY TEAM	No. of Members 15 Period Nov.1976 - Mar.1977 (4 months)  Total M/M Japan Field					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY						
12. EXPENDITURE	Total 99,851 (¥000) Contracted 94,682					
					2. MAJOR REASONS FOR PRESENT STATUS	
					3. PRINCIPAL SOURCES OF INFORMATION	①

和名 水産資源開発調査

{M/P, M/P+(F/S), Basic Study, Other}



PROJECT SUMMARY (Other)

ASE PHL/S 601/77

Compiled March 1990  
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA	Shipyard (27ha) in Marivelez			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Pan-Philippine Highway Ferry Service (follow-up)	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Transportation/ Marine Transportation & Ships	(US\$1,000)	1) 10,870	2,010	8,860	(Description) Jan.1978 OECF loan agreement (3,000 million yen)
4. REFERENCE NO.		2)				
5. TYPE OF STUDY	Other	3. MAJOR PROJECT(S) PROPOSED	Technical advice on the ferry construction which has been proposed by the F/S (FY 1976).			
6. COUNTERPART AGENCY	Dept. of Public Highway, Maritime Industry Authority	4. CONDITIONS AND DEVELOPMENT IMPACTS	-Efficient in-island and coastal transportation -Transfer of shipbuilding technology			
7. OBJECTIVES OF STUDY	Technical guidance on the construction of ferries	5. TECHNICAL TRANSFER				
8. DATE OF S/W						
9. CONSULTANT(S)	Shipbuilding Research Centre of Japan					
10. STUDY TEAM	No. of Members 4 Period Jul.1977 - Jul.1977 (1 months)  Total M/M Japan Field					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY						
12. EXPENDITURE	Total Contracted 4,554 (¥'000)					
			2. MAJOR REASONS FOR PRESENT STATUS			
			3. PRINCIPAL SOURCES OF INFORMATION			

和名 フェリー計画アフターケア

{M/P, M/P+(F/S), Basic Study, Other}