ASE PHL/S 101 //8

Compiled March

| I. OUTLINE OF STUDY | | II. SUMMARY OF STUDY RESULTS | III. PRESE | NT STATUS OF USE OF STUDY RESULTS |
|---|--|--|---------------------------------------|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | | In Progress or In Use |
| 2. NAME OF STUDY | | Pampanga Province (70km westward from Manila) | 1. PRSENT STATUS | Delayed |
| Pasig-Potrero River Fl Project | ood Control and Sabo | 2. COSTS OF (US\$1=7.4P) PROPOSED PLAN OR | | Discontinued |
| | | MAJOR PROJECTS Total Cost Local Cost Foreign Cost | | |
| 3. SECTOR | | (US\$1,000) 1) 31,820 2) | 1) One sabo | dam was constructed by DPWH. River improvement the downstream reach is subsequently under way. |
| Social Infrastructures Development | / Water Resource | 3. MAJOR PROJECT(S) PROPOSED | The const | ruction works are managed by the domestic budget overnment of the Philippines. |
| 4. REFERENCE NO. | | The pasig and Potolero rivers in the western region of Luzon Island causes the flood damage because of the remarkable | | |
| 5. TYPE OF STUDY | M/P | denudation of mountain region. The project consists of the following sabo works preventing | | $(x_1, x_2, \dots, x_n) = (x_1, x_2, \dots, x_n) + (x_1, x_2, \dots, x_n)$ |
| 6. COUNTERPART AGENCY | | sediment deposit in the river. | | |
| Bureau of Public Works | and Highways (BPWH) | Structure Scale - Sabo dam 10 nos. (height 14~15m, | | |
| 7. OBJECTIVES OF STUDY | | crest length 31-68m) - Pondage for sediment | | |
| Flood control | | deposit about 56 ha | | |
| | | - Levee 17,220m(new), 2,530m(tentative) - Ground sill 13 nos Groyne 349 nos sluice 3 nos. | | |
| 8. DATE OF S/W | Mar.1977 | 4. CONDITIONS AND DEVELOPMENT IMPACTS | | |
| 9. CONSULTANT(S) | | | | |
| Nippon Koei, Co., Ltd. CTI Engineering Co., Lt | d. | The Project has the following far-reaching effects 1) To mitigate the damage due to flood and sedimentation 2) To increase the agricultural production. 3) To stabilize public welfare 4) To create the chance of employment | | |
| 10. STUDY TEAM | | 5) To transfer the knowledge on sabc works and river improvement works. | e e e e e e e e e e e e e e e e e e e | |
| No. of Members 15 Period Aug. 1977 | 7 - Sep,1978 (14 months) | | 2. MAJOR REA | ASONS FOR PRESENT STATUS |
| Total M/M 42.97 Japan 7.17 Field 35.8 | 7 | | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | 744 144 144 144 144 144 144 144 144 144 | | | |
| | · · · · · · · · · · · · · · · · · · · | 5. TECHINCAL TRANSFER | | |
| | | 1) OJT: | 3. PRINCIPAL | SOURCES OF INFORMATION |
| 12. EXPENDITURE | 1000 To 1000 T | | (1) | |
| Total Contracted | 158,282 (¥'000) 89,719 | | | |

和名 小水系河川総合開発計画

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

Compiled Revised March 1986 March 1992

| I. OUTLINE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|---|---|---|
| 1. COUNTRY Philippines | 1. SITE OR AREA | Countleted or |
| 2. NAME OF STUDY | Metropolitan Manila (Ayal Ave to R-9, 15km and Edsa | I. PRSENT in Progress |
| C-3 and R-4 and Related Roads Project | to C-5, 8km, totaling 23km in length) | STATUS Completed Implementing Delayed or Suspended |
| | 2. PROJECT COSTS (US\$1=8P) | Processing Discontinued or Cancelled |
| | Total Cost Local Cost Foreign Cost 1) 116,250 76,375 39,875 | |
| 3. SECTOR | (US\$1,000) 2) | (Description) |
| Transportation/ Road | 3) | 1978 Nov. OECF E/S loan agreement (296 million yen) |
| | 3. CONTENTS OF MAJOR PROJECT(S) - C-3 Road (15,5km; South Superhighway - Rizal Av. and - | 1980 Jun. OECF E/S loan agreement (150 million yen) |
| 4. REFERENCE NO. | Balintawak Interchange) 6 leans | 1985 May OECF loan agreement (1,429 million yen) |
| 5. TYPE OF STUDY F/S | - R-4 Road (C-4 - Juan Luna) with sections overlapping C-5: total length 7.2km. 4 leans for R-4 and 6 lanes for the rest | - The northern section (7km) of C-3 Road (15km) is under construction. |
| 6. COUNTERPART AGENCY | In order to ensure social equity in transportation services. | - R-5 road is under construction together with C-5 Road. |
| Ministry of Public Highways Department of | it is recommended that the bus lane be introduced to the project. | |
| Public highways (DPH) | | <u> </u> |
| 7. OBJECTIVES OF STUDY | | |
| Technical and Economical F/S of C-3 and R-A and its related road in Metro Manila, Philippines | | |
| | Implementation Period: 1978 - 1982 | |
| | | |
| 8. DATE OF S/W Mar. 1977 | 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS | 1 |
| 9. CONSULTANT(S) | 49.94 | |
| Japan Overseas Consultants Co., Ltd. and Kokusai Kaihatsu Center | Feasibility: Yes | |
| | Conditions and Development Impacts: Conditions: | |
| | 1) Subjected to right of way acquisition. | |
| 10. STUDY TEAM | Development Impacts: | |
| No. of Members 12 Period Mar. 1977 - Mar. 1978 (12 months) | 1) Completion of the major throughfares in Metropolitan Manila | 2. MAJOR REASONS FOR PRESENT STATUS |
| Total M/M 65.31 Japan 36.6 Field 28.71 | area. 2) Relief of traffic congestion for crossing over the Pasig River Bridge. 3) Substitution effectiveness for circumferential road C-3. 4) Expected to develop as a sub-centre of a metropolis, such as | 1) Efficient relief of traffic congestion in the Metropolitan area was recognized. 2) This study was given high priority. |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | Makati office centre, Kubao commercial center and Mandalyong Industrial Belts and Dagato - Dagatan Resettlements etc. | |
| | | |
| | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | Used local consultants efficiently in air photography, soil and | 0 |
| Total 172, 920 (¥'000) Contracted 159, 884 | material survey and geotechnical survey. | |

ASE PHL/S 306/78

Compiled Revised March 198 March 199

| I. OUTLINE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|--|---|--|
| 1. COUNTRY Philippine | | |
| 2. NAME OF STUDY | Ilocos, Cagayan | 1. PRSENT Completed or in Progress Promoting STATUS Completed |
| Telecommunications Network Project Northern Part of Luzon | 2. PROJECT COSTS Total Cost Local Cost Foreign Cost 1) 83,047 30,176 52,871 | Implementing Delayed or Suspended Processing Discontinued or Cancelled |
| 3. SECTOR | (US\$1,000) 2) 3) | (Description) |
| Communications & Broadcasting/ Telecommunication | 3. CONTENTS OF MAJOR PROJECT(S) 1) Local exchanges (45), IPTSS (50) | 1978 Nov. OECF E/S loan agreement (157 million yen) 1981 Jun OECF loan agreement (7,600 million yen) |
| 4. REFERENCE NO. | 2) Microwave network (20hops, 732knis) | 1988 Jan. (5,700 millon yen) 1992 Oct. Construction works scheduled to be completed. |
| 5. TYPE OF STUDY F/S | 3) VHF system(43), VHF system(30) 4) PCM system(4 sections), Multiplexing equipment | |
| 6. COUNTERPART AGENCY | (about 3100ch) 5) Trunk cable (about 457km) | |
| Bureau of Telecommunications | 6) Local cable (about 640km) 7) Telex exchange(2), Telex concentrator(7), Gentex station(32) | |
| 7. OBJECTIVES OF STUDY | | |
| Feasibility study of the telecommun Network Project in the Northern par | nications rt of | |
| Luzon. | Implementation Period: Jul.1980 - 1982 | |
| 8. DATE OF S/W Dec. 1977 | 4. FEASIBILITY AND EIRR FIRR | - |
| 9. CONSULTANT(S) | ITS ASSUMPTIONS 6.31* | |
| NTC | Feasibility: | |
| | Conditions and Development Impacts: Subscriber Toll Dialling Service (STD) is available from Ilocos and Cagayan areas. | |
| 10. STUDY TEAM | one organic areas. | |
| No. of Members 13 Period Feb. 1978 - Dec. 1978 (1 | 10 months) | 2. MAJOR REASONS FOR PRESENT STATUS |
| Total M/M Japan 1.3 Field | | Effectiveness - large impact - high priority |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | |
| | | |
| | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | On the Job Training was concluded for the counterpart staff. | 0 |
| Total 61,035 (1 Contracted 2,356 | | |

和名 ルソン島北部電気通信網建設計画

ASE PHL/A 303/78

Compiled Revised

March 1990 March 1992

| I. OUTLINE OF STUDY | TY CITERAL DEL CETT CHILDREN CONTRACTOR DE C | THE BURGERS OF ARTES OF ARTES AND | | |
|--|--|---|--|--|
| | II. SUMMARY OF STUDY RESULTS 1. SITE OR AREA | III. PRESENT STATUS OF STUDIED PROJECT | | |
| 1. COUNTRY Philippines 2. NAME OF STUDY | Wahig-Pamacsaran River Basin of Bohol Island | 1. PRSENT Completed or in Progress Promoting | | |
| Market and the second s | manag ramacouran kiver basin or bonor island | STATUS Completed | | |
| Bohol Integrated Agricultural Development Project | 2. PROJECT COSTS | Implementing Delayed or Suspended | | |
| | Total Cost Local Cost Foreign Cost | O Processing Discontinued or Cancelled | | |
| 3. SECTOR | (US\$1,000) 2) 43,600 18,400 25,200 | (Description) | | |
| | 3) | | | |
| Agriculture/ General | 3. CONTENTS OF MAJOR PROJECT(S) | This project is under construction by National Irrigation Administration using OECF loan. | | |
| 4. REFERENCE NO. | Water development in Wahig-Pamacsaran River, Irrigation and drainage, Consolidation of farm road and terminal facilities | 1980.6.22 OECF L/A (E/S) 90 million yen | | |
| 5. TYPE OF STUDY F/S | Irrigation area: 5,000ha | 1983.9.9 OECF L/A 4.6 billion yen | | |
| | | | | |
| 6. COUNTERPART AGENCY | | | | |
| NIA (National Irrigation Administration) and two others | | | | |
| 7. OBJECTIVES OF STUDY | | | | |
| | | | | |
| | | | | |
| j | Implementation Period: Aug. 1977 - Mar. 1978 | , . | | |
| | | | | |
| 8. DATE OF S/W Mar, 1977 | 4. FEASIBILITY AND EIRR FIRR | | | |
| 9. CONSULTANT(S) | ITS ASSUMPTIONS 17.0% | | | |
| Sanyu Consultants Inc | Feasibility: Yes | | | |
| | Conditions and Development Impacts: | | | |
| | Conditions: 1.To increase agricultural production | | | |
| 10. STUDY TEAM | 2.To improve living environment | | | |
| No. of Members 13 Period Aug. 1977 - Nov. 1977 (3 months) | To create employment opportunities for people around the project district | 2. MAJOR REASONS FOR PRESENT STATUS | | |
| Aug. 1977 - NOV. 1977 (3 months) | Development Impacts: 1.Increase of agricultural production by introduction of | | | |
| Total M/M Japan | irrigation system | | | |
| Field | 2.Contribution to self-sufficiency of the staple food 3.Increase of employment | | | |
| 11. ASSOCIATED AND/OR | 4.correction of imbalanced income distribution 5.Alleviation of energy restriction | | | |
| SUBCONTRACTED STUDY | 6.Improvement of traffic network | | | |
| | 7.Dissemination of agricultural technology | | | |
| | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION | | |
| 12. EXPENDITURE | | ^ | | |
| Total 122,815 (¥'000) Contracted 111,856 | | • • | | |

和名 ボホール農業総合開発計画

PROJECT SUMMARY (Other)

ASE PHL/A 601/78

ompiled March 1991 evised March 1992

| I. OUTLINE OF STUDY | | II. SUMMARY OF STUDY RESULTS | III. PRESEN | T STATUS OF USE OF STUDY RESULTS |
|--|---|---|-----------------|----------------------------------|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | | |
| 2. NAME OF STUDY | | The whole country | 1. PRSENT | In Progress or In Use Delayed |
| Review on the Feasibi Port Package-1 | J lity Study of Fishing | 2. COSTS OF US\$1=220Yen | STATUS | Discontinued |
| | | PROPOSED PLAN OR MAJOR PROJECTS Total Cost Local Cost Foreign Cost | (Description) | |
| 3. SECTOR | | (USS1,000) 1) 120,366 59,756 60,610 | Unknown | |
| Fisheries/ Fisheries | | 3. MAJOR PROJECT(S) PROPOSED | | |
| 4. REFERENCE NO. | | Project of building fishing port basic facilities (mooring | | |
| 5. TYPE OF STUDY | Other | gear, sea banks, berths, embankments, anchorages, etc.) in the following 5 fishing ports. Project of improving fishing port functional | | |
| 6. COUNTERPART AGENCY | | facilities (fishmarket, ice making and cold storage facilities | | |
| Department of Public W and Communication, Dep | Works, Transportation, ot. of Construction | water station, oil station, etc.) were proposed. 1.Zamboanga Port 2.Iloilo Port | | |
| 7. OBJECTIVES OF STUDY | | 3.Camaligan Port 4.Lucena Port | | ÷ |
| | | S.Sual Port | · ; | |
| 8. DATE OF S/W | | A CONTINUE AND DESIGN ON COMMENTAL OF | | |
| 9. CONSULTANT(S) | | 4. CONDITIONS AND DEVELOPMENT IMPACTS | | |
| Overseas Coastal Area of Japan, System Scien other | Development Institute ace Consultants, the | Conditions: 1.Project life is twenty years after the start of fishing ports operation. 2.Price: price of 1978 | | |
| 10. STUDY TEAM | | 3.Discount rate : 15% Development Impacts: | | |
| | | direct (1) increase of hauls (2) improvement of fish freshness indirect (1) improvement of self-sufficiency of marine products | | |
| No. of Members 6 Period Feb. 197 | 78 - Mar.1978 (1 months) | (2) modernization of fishing | 2. MAJOR REAS | ONS FOR PRESENT STATUS |
| Total M/M Japan | | (3) increase of incentive for investment(4) stabilization of fish price(5) creation of employment opportunities | | |
| Field | | | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | • | |
| | | 5. TECHINCAL TRANSFER | | |
| | | S. IDEIMICAL INAROTEA | 3. PRINCIPAL SC | OURCES OF INFORMATION |
| 12. EXPENDITURE | | | (1) | |
| Total Contracted | 33,866 (¥'000) | | • | |
| | | | | |

和名 海洪軟備計画レビ・占額本

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

mpiled March 1990

| I. OUTLINE OF STUDY | | II. SUMMARY OF STUDY RESULTS | Revised March 1992 |
|---|---|--|---|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | III. PRESENT STATUS OF USE OF STUDY RESULTS |
| 2. NAME OF STUDY | | Bohol Province (4,120 sq.km, pop.0.76 million) | 1. PRSENT In Progress or In Use STATUS Delayed |
| Bohol Integrated Are | a Development Project | 2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS Total Cost Local Cost Foreign Cost | Discontinued |
| 3. SECTOR | | (USS1,000) 1) 549,300 | Based on the recommendations of the study, the irrigation |
| Development Plan/ In Development Plan | tegrated Regional | 3. MAJOR PROJECT(S) PROPOSED | and drainage development project, including the construction of rural roads and tertiary irrigation facilities are under implementation by the National Irrigation Administration |
| 4. REFERENCE NO. | | The study formulated the area development plan with central focus on the irrigation development project in | (NIA) with OECF finance. |
| 5. TYPE OF STUDY | M/P | the Wahig-Pamacsalan River basin (the F/S conducted by JICA). Major proposals are as follows. | June 1980 OECF E/S loan agreement (90 million yen) Sept. 1983 OECF loan agreement (4,600 million yen) |
| 6. COUNTERPART AGENC | orandi . | 1) Water resource development: | The Bohol Agricultural Promotion Center was established |
| National Council on Development (NACIAD) | Integrated Area | Wahig-Pamacsalan irrigation development Tagbilaran pumping station Agriculture: | by the Japanese grant (E/N in July 1983, 970 million yen). |
| 7. OBJECTIVES OF STUDY | | Establishment of a center for soil technology development and agricultural promotion | |
| Formulation of a area centering on the Wahi basin | a development plan ig-Pamacsalan River | - Establishment of a Wahig-Pamacsalan pilot farm - Development of the livestock sector 3) Fisheries: - Establishment of a fish processing base at the port of Cogtong 4) Forestry: | |
| 8. DATE OF S/W | Aug. 1978 | 4. CONDITIONS AND DEVELOPMENT IMPACTS | |
| 9. CONSULTANT(S) Pacific Consultants I Mitsubishi Research I | nternational and nstitute, Inc. | Bohol Province is one of the underdeveloped provinces included in the Central Visayas (or Region VII). The integrated area development will contribute to the narrowing of regional income disparities through strengthening the inter-sector linkages in development. | |
| 10. STUDY TEAM | | Major development impacts are (1) increase of income, (2) creation of employment, (3) creation of demands, etc. | |
| No. of Members 14 | | (5) Creation of employment, (5) Creation of demands, etc. | 2. MAJOR REASONS FOR PRESENT STATUS |
| Period Jun 19 Total M/M Japan Field | 979 - Feb.1980 (8 months) | | 2. IMAJON ADASONS FOR FRESENT STATUS |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | 7 | 5. TECHINCAL TRANSFER | |
| | | OJT for the counterparts and participation of the counterparts | 3. PRINCIPAL SOURCES OF INFORMATION |
| 2. EXPENDITURE Total Contracted | 96,994 (¥'000) 85,175 | in the JICA training program | () |

ASE PHL/S 307 /79

mpiled March 19 vised March 19

| I. OUTLINE OF STUDY | | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT | |
|------------------------------------|--------------------------|--|---|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | Completed or | |
| 2. NAME OF STUDY | | Ilocos and Cagayan Valley Provinces | 1. PRSENT in Progress Promoting | |
| Hospital Development P | roject | | STATUS Completed Implementing Delayed or Suspended | |
| | | 2. PROJECT COSTS (US\$1=7.415P) | O Processing Discontinued or Cancelled | |
| | | Total Cost Local Cost Foreign Cost 1) 128,388 128,388 | Discontinued of Cancerno | |
| 3. SECTOR | | (US\$1,000) 2) 120,388 | (Description) | |
| Social Infrastructures. | / Architecture & | 3. CONTENTS OF MAJOR PROJECT(S) | Cancelled after the completion of the study. | |
| 4. REFERENCE NO. | : | 1) Medical centers: 4 locations, 900 beds 2) Regional hospitals: 2 locations, 500 beds | There is no schedule for the further development of the | |
| | | 2)Regional hospitals: 2 locations, 500 beds 3)Provincial hospitals: 13 locations, 1,500 beds | project. | |
| 5. TYPE OF STUDY | F/S | | | |
| 6. COUNTERPART AGENCY | | | | |
| Ministry of Health | | | | |
| | | | | |
| 7. OBJECTIVES OF STUDY | | | | |
| | | | | |
| | | | · | |
| | | Implementation Period: 6 years | | |
| | | | | |
| 8. DATE OF S/W | Dec.1978 | 4. FEASIBILITY AND EIRR FIRR | | |
| 9. CONSULTANT(S) | | ITS ASSUMPTIONS | | |
| Nihon Sekkei, Inc. | | Feasibility: Yes | | |
| | | Conditions and Development Impacts: | | |
| | | Conditions: 1) Containment of communicative diseases. | | |
| 10. STUDY TEAM | | 2)Old buildings to be renovated as wards and new diagnostic | | |
| No. of Members 15 Period Mar. 1979 | - Feb.1980 (11 months) | and treatment facilities to be added. 3) Improvement of water supply and drainage systems. | 2. MAJOR REASONS FOR PRESENT STATUS | |
| Mar. 13.13 | - 160*1300 (11 WOUCH2) | 4)Power generation to maintain the minimum basic functions in case of power failures. | Lack of funds. | |
| Total M/M 30.32 | | Development impacts: | | |
| Japan 20.26 Field 10.06 | | -Increased supply of healthy labor force -Creation of medical employment | | |
| 11. ASSOCIATED AND/OR | | -Promotion of local medical industries | | |
| SUBCONTRACTED STUDY | | | | |
| | | | | |
| | | | 3. PRINCIPAL SOURCES OF INFORMATION | |
| | | 5. TECHINCAL TRANSFER | | |
| 12. EXPENDITURE | | | ① | |
| Total Contracted | 82,114 (¥'000) 76,174 | · 医乳腺管理 医甲基甲氏病 (1) | | |
| | | | | |

11名 病院整備計画

ompiled March 198

| I. OUTLINE OF STUDY | | II. SUMI | MARY OF STUDY RESULTS | III. PRESENT STATUS OF USE OF STUDY RESULTS | |
|--|---|---|--|---|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | THE OF STANKE OF STANKE | | |
| 2. NAME OF STUDY | | | of Mayon volcano in the southeast of | 1. PRSENT In Progress or In Use STATUS Delayed | |
| | Flood Control Project | 2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS | (US\$1=7.5P) Total Cost Local Cost Foreign Cost | Discontinued (Description) | |
| 3. SECTOR | | * HISSI 0001 | 1) 200,900 128,500 72,400 2) | The Government of the Philippines had budgeted the project in the plan. But this budget was used for other projects. | |
| Social Infrastructures Control | / River & Erosion | 3. MAJOR PROJECT(S) PROPOSED | | The project area was seriously affected by the typhoon in 1981, and the JICA follow-up study was undertaken to review | |
| 4. REFERENCE NO. | | Construction of sabo the surrounding area | facilities for sabo and flood control in of Mayon volcano and establishment of | the master plan. Based on the findings of this study, the philippine Government implemented some of the proposed | |
| 5. TYPE OF STUDY | M/P | disaster prediction | and warning system | jetties with yen credit. | |
| 6. COUNTERPART AGENCY Ministry of Public Wor | ks and Highways | | Dam 2nos. Consolidation dam 4nos. 15nos. Spur Dike 43nos. 2 4nos. Consolidation 34nos | (The Possibility of the reviving this project) If some overseas governments fund this project, it seems possible to carry out this project. | |
| 7. OBJECTIVES OF STUDY Sabo and Flood Control (A) River The Quinali River | plan for the Quinali (B)River and the Yawa | warning system, warn | and warning system: 11/ waterlevel gabying stations, Automatic ing cars, connection with the existing ing system of Bicol river basin | | |
| 8. DATE OF S/W | Jun.1978 | 4. CONDITIONS AND D | EVELOPMENT IMPACTS | | |
| 9. CONSULTANT(S) Nippon koei Co., Ltd. | | This Sabo project wi the social stability This project will con livelihood of people Beside the sabo proj | Il performed as the social works to insure of the region. Attribute to the insurance of better in the region. | | |
| 10. STUDY TEAM | | disaster prediction a of the total measures | nd warning system shall be done as the one for disaster. | | |
| No. of Members 23 Period Sep . 197 Total M/M 72 . 38 Japan 40 . 31 | | | | 2. MAJOR REASONS FOR PRESENT STATUS | |
| Field 32.02 | | | | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | 5 TECHNICAL TO ANOT | | | |
| | | 5. TECHINCAL TRANSF | low use hald in the local affice | 3. PRINCIPAL SOURCES OF INFORMATION | |
| 12. EXPENDITURE Total Contracted | 241,998 (¥'000) 231,034 | 2) Acceptance of traines: JICA acceeding the lecture (for Sabo, hydrol 3) Preparation of the report: The study team had descussion wit images allow Progress Report and P | pted two trainees for one month includ- ogy, river and eurewy,) by the stody Teom for Sdays. h hts counterparts to prepared the reports. Inancial Report! ion : the supervision and guidence of ground aurreying | (i) | |

和名 マヨン火山砂防基本計画

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

ASE PHIL/S 308/80

Compiled Revised March 1986

| i outling | e of study | THE CALL SELECTION OF THE PARTY CAN DESCRIPTION OF THE PARTY CAN DESCRIPTI | Revisea March 1992 |
|--|-----------------------------------|--|--|
| | | II. SUMMARY OF STUDY RESULTS 1. SITE OR AREA | III. PRESENT STATUS OF STUDIED PROJECT |
| 2. NAME OF STUDY Manila-Bataan Coastal | Philippines Road and its Related | Metro Manila area, in the Central west zone of Luzon Island | 1. PRSENT Completed or in Progress Promoting STATUS Completed |
| Roads | | 2. PROJECT COSTS (US\$1=215Yen) Total Cost Local Cost Foreign Cost 297,000 99,000 | O Implementing Delayed or Suspended O Processing Discontinued or Cancelled |
| 3. SECTOR | | - (US\$1,000) 2) 3) | (Description) |
| Transportation/ Road | | 3. CONTENTS OF MAJOR PROJECT(S) Description Scale | The reclamation component will take time to mature because the Cavite reclamation area is not creating |
| 4. REFERENCE NO. | | Construction of new Harbour Road 7.0km | enough demand. 2) During 1987, three German contractors offered the |
| 5. TYPE OF STUDY | F/S | Construction of new C-5 Road 8.6km Reclamation and social | turn-key implemention, but the offer was turned down by the philippine authorities. The NEDA coordinated with |
| 6. COUNTERPART AGENCY | | infrastructure facilities 900ha Flyovers and repavement 5 sites & 15.6km | DPWH and formulated the Implementation Program I to apply for yen credit, bur the application fell through. |
| Ministry of Public Hig | hways | | the Philippine authorities is preparing a new application for yen credit by reducing the scale of the |
| 7. OBJECTIVES OF STUDY | | | project. |
| Road plan | • | | |
| | | Implementation Period: 1981 - 1987 | |
| 8. DATE OF S/W | Aug.1978 | 4. FEASIBILITY AND BIRR FIRR | |
| 9. CONSULTANT(S) | | ITS ASSUMPTIONS 22.6% 60% | |
| Pacific Consultants Int | ternational | Feasibility: Yes | |
| | | Conditions and Development Impacts: The project consists of 2 components: Road and Reclamation. | |
| 10. STUDY TEAM | | The value of EIRR/FIRR was calculated from both projects. | |
| No. of Members 13 Period Jan. 1979 | 9 - Mar.1980 (14 months) | Condition: 1) Existing price mechanism does not change when general price increases as price of petroleum products go up. | 2. MAJOR REASONS FOR PRESENT STATUS |
| Total M/M Jepan 9.9 Field 48.27 |) • | 2) Existing mode of public transportation service does not change. Development impact: 1) Formulation of well-organized city function in suburban | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | area as well as expansion of urban area. 2) Expansion of new industrial/commercial district as a result of superiority of commercial location. 3) Promotion of regional development through industrial district. | |
| | | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE Total Contracted | 168,421 (¥'000) 164,825 | 1) Overseas training 2) Report writing with counterpart staff | ① |

| I. OUTLINE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|---|---|---|
| 1. COUNTRY Philippines | 1. SITE OR AREA | see Completed or |
| 2. NAME OF STUDY | Ilocos Norte Province in northwest end of Luzon Island | 1. PRSENT in Progress Promoting |
| Ilocos Norte Irrigation Project : Phase II | Istaliu | STATUS Completed Implementing Delayed or Suspended |
| | 2. PROJECT COSTS | Processing Discontinued or Cancelled |
| | Total Cost Local Cost Foreign Cost 1) 42,000 22,000 20,000 | |
| 3. SECTOR | (US\$1,000) 2) 3) | (Description) |
| Agriculture/ General | 3. CONTENTS OF MAJOR PROJECT(S) | 1981.6.16 OECF L/A ¥5 billion |
| | Phase I Phase II | 1980.6.20 OECF L/A (E/S) ¥70 million OECF loan was made for the project Phase I, and detail |
| 4. REFERENCE NO. | Irrigation area 10,200 ha | design(July 1980-July 1981) and S/V (Apr.1982-Dec.1983)were |
| 5. TYPE OF STUDY F/S | Irrigation canal 200 km | completed. Pilot project of irrigation end facilities construction |
| 6. COUNTERPART AGENCY | Drainage canal 150 km | was implemented between 1981 and 1982 by Japanese grant aid. |
| National Irrigation Administration | Note: | |
| | Cost 1) above is for Phase I. Period 1) below is for Phase I and 2) is for Phase II. | Flood control task of this project will start in March 1991 by OECF loan. |
| 7. OBJECTIVES OF STUDY | | |
| | | |
| | Indiana Palana | |
| | Implementation Period: 1980 - 1984 1982 - 1987 | |
| | | |
| 8. DATE OF S/W Nov. 1975 | 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS | |
| 9. CONSULTANT(S) | Feasibility: 1) 13.2% | |
| Sanyu Consultants, Inc. | | |
| | Conditions and Development Impacts: Development Impacts: | |
| 10 OFFICE AND A SECOND | This will lead to the creation of agricultural benefit by the | |
| 10. STUDY TEAM | increase of agricultural productivity arisen from stable supply of irrigation water through building agricultural water | |
| No. of Members 16 Period Aug. 1978 - Dec. 1980 (17 months) | facilities, and the increase of farmers' income | 2. MAJOR REASONS FOR PRESENT STATUS |
| | *EIRR 1) is for Phase I and 2) is for Phase II. | |
| Total M/M 96.92 Japan 37.18 | | |
| Field 59.74 | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | |
| JODECHTRACTS/JSTOPY | | |
| | | |
| | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | Survey method and development planning method in each sector | Φ |
| Total 328,554 (¥'000) | were transferred to counterparts assigned during the period of the survey | |
| Contracted 290,172 | rue oursel | |

和名 イロコスノルテかんがい計画

ASE PHL/S 104/81

ompiled March 198 levised March 199

| I. OUTLINE OF STUDY | | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF USE OF STUDY RESULTS |
|--|-----------------------------------|--|---|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | |
| 2. NAME OF STUDY | | Davao in Mindanao | 1. PRSENT In Progress or In Use STATUS Delayed |
| Davao City Urban Transport cum Land Use | | | Discontinued |
| | | 2. COSTS OF PROPOSED PLAN OR | |
| | | MAJOR PROJECTS Total Cost Local Cost Foreign Cost | (Description) |
| 3. SECTOR | | (US\$1,000) 1) | Part of the recommendation on public transportation (e.g. |
| Transportation/ Urban | Transportation | 3. MAJOR PROJECT(S) PROPOSED | improvement of jeepney transportation) was implemented, but the utilization of the entire plan has not been realized. |
| 4. REFERENCE NO. | | 1)Regional development | |
| 5. TYPE OF STUDY | M/P | 7 industrial estates: 6 commercial centers: 2 educational urban centers: 1 administrative center: 2 port expansion | |
| | | 2) Road | |
| 6. COUNTERPART AGENCY Ministry of Public Wol | | 25 new trunk road sections; 40 improvement sections 3) Public transportation | |
| rifficely of rubite wor | iks and nighways | introduction of bus transport 4) Traffic control | |
| 7. OBJECTIVES OF STUDY | | improvement of interchanges; signals; exclusive bus lanes | |
| Formulation of a land | use plan and a | | |
| transportation master | plan through 2000 | | |
| | | | |
| | | | |
| 8. DATE OF S/W | Mar.1979 | 4. CONDITIONS AND DEVELOPMENT IMPACTS | |
| 9. CONSULTANT(S) | | The proposed plan will contribute to the alleviation of the | |
| Nippon Engineering Con Nippon Koei Co | sultains Co. and | existing transportation problems and to the planning on land | |
| | | use, public transportation, road network development and traffic control to meet the future demand. | |
| | | | |
| 10. STUDY TEAM | | | |
| No. of Members 17 Period Jun. 197 | 79 - Dec.1981 (30 months) | | 2. MAJOR REASONS FOR PRESENT STATUS |
| | 77 - Dec.1961 (30 months) | | |
| Total M/M 136.9 Japan 17.3 | | | |
| Field 119.6 | | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | |
| Topographic maps (scale: | 1/10 000 and 1/5 000) | | |
| | 1, 10,000 and 1/3,000; | 5. TECHINCAL TRANSFER | |
| | | 1)OJT on transport planning | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | | 2)Participation of counterparts in JICA training program 3)Employment of local consultants | ① |
| Total Contracted | 326,652 (¥'000) 323,320 | | |
| | | | |

和名 ダバオ都市交通計画

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

PROJECT SUMMARY (F/S) ASE PHL/S 310/81 I. OUTLINE OF STUDY II. SUMMARY OF STUDY RESULTS III. PRESENT STATUS OF STUDIED PROJECT 1. COUNTRY 1. SITE OR AREA Philippines 1. PRSENT Panpanga River Basin (0.32 million ha) in Luzon 2. NAME OF STUDY STATUS Pampanga Delta Development Project (US\$1=8.2pesos) 2. PROJECT COSTS Total Cost Local Cost Foreign Cost 182,666 102,666 80,000 (Description) (US\$1,000) 2) 3. SECTOR 84,000 49,333 33,333 3) Social Infrastructures/ River & Erosion May 1986 OECF E/S loan agreement (705 million yen) 3. CONTENTS OF MAJOR PROJECT(S) Control Oct.1987-Apr.1989 Detailed Design 1)Flood control Jun. 1989 OECF Appraisal for Flood Control Component (F/C) 4. REFERENCE NO. -River channel improvement (78.7 km) Dec.1989 OECF loan agreement for F/C -Revetment (88.1 km) Mar.1991 Commencement of Implementation of F/C (~1996) 5. TYPE OF STUDY F/S 2) Irrigation development Jul. 1990 OECF Appraisal for Irrigation Component (I/C) -1 weir, irrigable area of 11,000 ha 6. COUNTERPART AGENCY Jul.1991 OECF loan agreement for I/C -Main canals 37 km, secondary and tertiary canals 145 km (Feb.1992) Commencement of Implementation of I/C (~1998) Ministry of Public Works and Highways and

| Review of the master analysis of priority | plan and projects | feasibility |
|---|----------------------|-------------|
| • | | |

May 1980

Jul.1980 - Feb.1982 (7 months)

267,522

National Irrigation Administration

7. OBJECTIVES OF STUDY

8. DATE OF S/W

9. CONSULTANT(S)

10. STUDY TEAM

Period

Total M/M

Nippon Koei Co., Ltd. Nikken Consultants, Inc.

No. of Members 20

| 4. FEASIBILITY AND ITS ASSUMPTIONS | |
|---------------------------------------|--|
| 77 10 110 | |

Implementation Period:

EIRR FIRR 1) 10.8%

Feasibility: Yes

Conditions and Development Impacts:

1)10 years

2) 7 years

2) 15.4%

1) The land area of 19,000 ha and 13,400 buildings will be protected from floods by the flood control project, and annual rice production will increase by 15,000 tons and annual fishery production by 2,400 tons.

2) Rice production will be increased by 47,000 tons by irrigation development. Farmers' income will increase from four to six times.

2. MAJOR REASONS FOR PRESENT STATUS

3. PRINCIPAL SOURCES OF INFORMATION

Completed or

O Completed

O Processing

mplementing

SUBCONTRACTED STUDY Topographic mapping

Japan

11. ASSOCIATED AND/OR

12. EXPENDITURE 435,309 (¥'000) Total

107,48

45.94 61.54

> (1) Technical meetings and transfer of knowledge through monthly meetings (2) Trainee: Four trainees visited Japan

5. TECHINCAL TRANSFER

(3) Working with counterparts was conducted for field surveys, design works, cost

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

Compiled

Promoting

Delayed or Suspended

Discontinued or Cancelled

March 1990

March 1992

和名 パンパンガデルタ開発計画

Contracted

oiled March 199 ed March 199

| I. OUTLINE | OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|--|---|--|---|
| 1. COUNTRY 2. NAME OF STUDY | Philippines | 1. SITE OR AREA Luzon, Mindoro, Lubang, Palawan, Panai, Tablas, Romblon | 1. PRSENT Completed or Promoting Promoting |
| Rural Telecommunications III (Central Luzon) and Tagalog) | s Project in Regions IV (Southern | 2. PROJECT COSTS (US\$1=215Yen=28.3P) Total Cost Local Cost Foreign Cost | Implementing Delayed or Suspended Processing Discontinued or Cancelled |
| 3. SECTOR | | (US\$1,000) 2) 82,670 8,470 74,200 | (Description) |
| Communications & Broadca Telecommunication | asting/ | 3. CONTENTS OF MAJOR PROJECT(S) - Telephone Installation Plan 13,720 | 1987 Dec. OECF E/S loan agreement (707 million yen) 1988 Nov. Contract signed with a consulting firm. |
| 4. REFERENCE NO. | | - SHF system 11spans 581.7km. | 1990 Feb. OECF loan agreement (21,752 million yen) 1991 Jan. Tenders evaluation |
| | F/S | - UHF/VHF system 144spans, - Telex exchanges 2, | 1991 May Contract signed with a contractor 1991 Jun. Construction |
| 6. COUNTERPART AGENCY | | - Telex concentrator 14, - Telex and gentex equipment 122, | 1993 Jan. Construction is scheduled to be completed |
| Bureau of Telecommunicat | ions | - Trunk cable length 191.7km, - Local cable length 371km, - Buildings | |
| 7. OBJECTIVES OF STUDY | | (Radio station, Telphone Office etc.) | |
| To determine the feasibi Telecommunications Proje and IV. | lity of the Rural ect in Regions III | - Access roads 88.2km Implementation Period: 1982 - 1986 | |
| 8. DATE OF S/W | pr.1980 | 4. FEASIBILITY AND EIRR FIRR | ••• |
| 9. CONSULTANT(S) | .511.1700 | ITS ASSUMPTIONS 6.88% | |
| NTC | | Feasibility: Yes | |
| | | Conditions and Development Impacts: (1) To rehabilitate the existing old telecommunicating facilities at the objected areas. | |
| 10. STUDY TEAM | | (2) To improve the telecommunications services at the objected areas. | |
| No. of Members 13 Period Mar. 1981 | - Mar.1982 (12 months) | | 2. MAJOR REASONS FOR PRESENT STATUS |
| Total M/M 10,27 Japan 5,17 Field 5,10 | | | (1) Effectiveness (2) High priority |
| 11. ASSOCIATED AND/OR SUBCONIRACTED STUDY | | | |
| | | | 3. PRINCIPAL SOURCES OF INFORMATION |
| and the second s | | 5. TECHINCAL TRANSFER | |
| 12. EXPENDITURE Total Contracted | 46,007 (¥'000) 15,139 | (1) Trainee acceptance; 2 counterparts invited to Japan (2) On-the-Job-Training for counterparts | ① |

PROJECT SUMMARY (M/P + F/S)

ASE PHL/S 202A /82

Compiled March

| I. OUTLIN | E OF STUDY | II. SUM | MARY OF STUDY RESULTS | III. PRESE | NT STATUS OF USE OF STUDY RESULTS |
|--|------------------------------------|---|--|---------------|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | | | |
| 2. NAME OF STUDY | | Lacag district (Ilocos | Norte Province), Legaspi City and Daraga Municipality | 1. PRSENT | In Progress or In Use |
| Local Water Supply Pro | -d olects | (Albay Province), Tagbi | laran City (Bohol Province) | STATUS | ☐ Delayed ☐ Discontinued |
| | | 2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS | (US\$1=7.80P) Total Cost Local Cost Foreign Cost | (Description) | _ Discontinue |
| 3. SECTOR | | (US\$1,000) | 1) 15,830 6,570 | Followed by | F/S. |
| Public Utilities/ Wate | er Supply | 3. MAJOR PROJECT(S | PROPOSED | · | |
| 4. REFERENCE NO. | | This project is to make | master plan with the target year of 2010, in order | | |
| 5. TYPE OF STUDY | M/P+(F/S) | on the master plan. First | ne existing water supply facilities in four mentation has been divided into three phases based t phase, target year of 1987, is to improve the | | |
| 6. COUNTERPART AGENCY | | existing facilities and | to enlarge the distribution pipelines. Second phase, to expand the system including the development of | | |
| Local Water Utilities | Administration | new water sources. | The Special Fielding the daysrephier of | | |
| 7. OBJECTIVES OF STUDY | | Phase Served (Target year) Population | Water Facilities Demand (Gu.m/day) | | |
| Planning on the water up to the year 2010 an emergency project | supply expansion plan | Phase-3 (2010) 76,500 Phase-3 (2010) 358,811 | 14,800 28,933 Improvement of existing facilities Expansion of distribution pipelines 45,608 Expansion of water facilities including new water resources 71,231 More expansion of Phase-2 | · | |
| 8. DATE OF S/W | Mar.1981 | 4. CONDITIONS AND I | DEVELOPMENT IMPACTS | | |
| 9. CONSULTANT(S) | | | | | |
| Nihon Suido Consultant | s Co., Ltd. | population, safe, co improvement of envir | ts, increase of service area and served ntinuous and stable water supply, onment hygiene, decrease of fire injury, ce and expansion of employment opportunity, | | |
| 10. STUDY TEAM | | | | | |
| No. of Members 9 Period Jun. 198 | 31 - Jun.1982 (12 months) | | | 2. MAJOR REA | ASONS FOR PRESENT STATUS |
| Total M/M 79.9 Japen 34.7 Field 45.2 | 12 | | | improving env | water supply is an essential infrastructure for vironment and sanitation condition in the bur cities, as they have been developing as the regions. |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | *** | | | | |
| | | | | | |
| | | 5. TECHINCAL TRANS | | 2 DOINGIDAL | COLD CEG OF INFORMATION |
| 10 DVDDVVV | P4 50 | Carried out the train | works for four counterparts. The | | SOURCES OF INFORMATION |
| 12. EXPENDITURE Total Contracted | 182,931 (¥' 000) 180,464 | counterparts have sti team at project site. | died and prepared studies with project | (I) | |

和名 地方都市上水道計画

PROJECT SUMMARY (M/P + F/S)

March 1986 ASE PHL/S 202B /82 March 1992 I. OUTLINE OF STUDY II. SUMMARY OF STUDY RESULTS III. PRESENT STATUS OF STUDIED PROJECT 1. COUNTRY 1. SITE OR AREA Completed or Philippines Promoting 1. PRSENT Lacag district (Ilcos Norte Province), Legaspi City and Daraga Town (Albay in Progress 2. NAME OF STUDY Province), Tagbilaran City (Bohol Province) STATUS (Completed Local Water Supply Projects Delayed or Suspended Implementing (US\$1=7.80P) 2. PROJECT COSTS O Processing Discontinued or Cancelled Total Cost Local Cost Foreign Cost 1) 15,830 6,570 (Description) (US\$1,000) 3. SECTOR 2) Public Utilities/ Water Supply After Malcos Regime fell, the contents of this project have 3. CONTENTS OF MAJOR PROJECT(S) been changed drastically. - Laoag area : water intake conduits, deep wells, Only the daoag area (Ilocos Prov.) was selected from the 4. REFERENCE NO. transmission and distribution pipes, etc. project and grouped with two other cities to apply for OECF (4,130 cu.m/day) 5. TYPE OF STUDY finance. (M/P)+F/SLegaspi area : spring water, transmission and 1987 Dec. OECF loan agreement on water supply development distribution pipes, etc. (6,480 cu.m/day) in regional cities (891 million yen) 6. COUNTERPART AGENCY Daraga town : spring water, transmission and 1990 May D/D was completed and construction works started. Local Water Utilities Administration distribution pipes, etc. (4,320 cu.m/day) 1991 Dec. Construction is under way. - Tagbilaran city : deep wells, distribution reservoirs, distribution pipes, etc. 7. OBJECTIVES OF STUDY (1,700 cu.m/day) - Total water quantity: 16,630 cu.m/day (Planned F/S of the emergency project based on the development quantity) master plan Implementation Period: Jan.1984 - Dec.1986 8. DATE OF S/W 4. FEASIBILITY AND ITS ASSUMPTIONS EIRR FIRR Mar.1981 9. CONSULTANT(S) 11.0% Feasibility: Yes Nihon Suido Consultants Co., Ltd. Conditions and Development Impacts: Master plan on the water supply system for the target year of 2010 has been established, which was divided into three phases. 10. STUDY TEAM Technical and financial feasibilities for first phase for the target year of 1987 has been examined. As development impacts, No. of Members 9 increase of services area and served population, safe, 2. MAJOR REASONS FOR PRESENT STATUS Period Jun.1981 - Jun.1982 (12 months) continuous and stable water supply, improvement of environmental hygiene, decrease of fire injury, increase of The scope of the project was reviewed and modified by the Total M/M present administration after Marcos Regime fell. It is not 79.95 land price and expansion of employment opportunity will be Japan 34.72 confirmed the reason why the scope was changed. Field 45,23 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY 3. PRINCIPAL SOURCES OF INFORMATION 5. TECHINCAL TRANSFER 12. EXPENDITURE Carried out the training program on investigation, planning and management 1 of water works for four counterparts. Two counterparts have studied and 182,931 (¥'000) Total prepared studies with project team. Contracted 180,464

和名 地方都市上水道計画

iled March 19 March 19

| I. OUTLINE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF USE OF STUDY RESULTS |
|--|---|--|
| 1. COUNTRY Philippines | 1. SITE OR AREA | |
| 2. NAME OF STUDY | Port Irene at Casambalangan Bay | 1. PRSENT In Progress or In Use STATUS Delayed |
| Development Project of the Port of Irene | 2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS Total Cost Local Cost Foreign Cost | Discontinued (Description) |
| 3. SECTOR | (US\$1.000) 1) 12,941 4,167 8,774 | Followed by F/s. |
| Transportation/ Port | 3. MAJOR PROJECT(S) PROPOSED | |
| 4. REFERENCE NO. | Main projects (Target year 2000): - 2 berths for foreign trade (-10m, 15,000dwt) (New | |
| 5. TYPE OF STUDY M/P+(F/S) | construction) | |
| 6. COUNTERPART AGENCY The Philippine Ports Authority (PPA) | - 3 berths for domestic trade (~7.5m, -5.5m) (New construction) -1 Container berth for domestic trade (~7.5m) (New construction) -Construction of sheds, warehouses, fishing ports | |
| 7. OBJECTIVES OF STUDY | | |
| Preparation of Master Plan(Target year 2000 and Short-term Development Plan (Target year 1987) | | |
| 8. DATE OF S/W Feb. 1981 | 4. CONDITIONS AND DEVELOPMENT IMPACTS | |
| 9. CONSULTANT(S) | | · |
| Overseas Coastal Area Development Institute of Japan | Development of this port in short-term plan will increase the employment opportunity and the income through the development of the Cagayan Valley where agriculture and forestry are main industry. | |
| 10. STUDY TEAM | In long-term plan development of this port will strengthen the basis of industry in this region and contribute to the | |
| No. of Members 9 Period May 1981 - Mar.1982 (11 months) | development of sea transportation system in the Philippines. | 2. MAJOR REASONS FOR PRESENT STATUS |
| Total M/M 46.98 Japan 35.10 Field 11.88 | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | |
| Geological and oceanographic survey | 6 TECHNOAL STRANGER | |
| | 5. TECHINCAL TRANSFER 1) On the job training to counterpart | 3. PRINCIPAL SOURCES OF INFORMATION |
| 2. EXPENDITURE Total 135, 996 (¥'000) Contracted 101, 988 | 2) Counterpart training 3) Preparation of report by cooperation with counterpart 4) Use the local consultant for oceanographic survey and boring 5) Donation of machinery and instruction of its use. | (1) |

和名 アイリーン港整備計画

Compile Revised March 1986 March 1992

| I. OUTLINE | OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|-------------------------------------|---------------------------------------|---|---|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | 1. PRSENT Completed or Promoting |
| 2. NAME OF STUDY | | Port Irene at Casambalagan bay | STATUS Completed |
| Development Project of | the Port of Irene | | O Implementing |
| | | 2. PROJECT COSTS (US\$1=7.95P) Total Cost Local Cost Foreign Cost | Processing Discontinued or Cancelled |
| | | 1) 12,941 4,167 8,774 | (Description) |
| 3. SECTOR | | (US\$1,000) 2) 3) | (Description) |
| Transportation/ Port | • | 3. CONTENTS OF MAJOR PROJECT(S) | D/D was completed in August 1986 with E/S loan from OECF |
| | | Short-term projects: | (240 millon yen), but construction was subsequently suspended. |
| 4. REFERENCE NO. | | Wharf for foreign trade (-10m) 1berth (200m) Mooring basin (-10m) 750 thousand cu.m | |
| 5. TYPE OF STUDY | (M/P)+F/S | Transit shed (40mx90m) | |
| 6. COUNTERPART AGENCY | | Road (width 10m) 1.6km | |
| The Philippine Ports A | uthority(PPA) | | |
| | | | |
| 7. OBJECTIVES OF STUDY | | | |
| Preparation of Master 1 | Plan (Target year 2000) | | |
| and Short-term Developm 1987) | ment Pian (Target year | Implementation Period: Oct.1983 - Dec.1986 | |
| n e | | Implementation Period: Oct.1983 - Dec.1986 | |
| | | | |
| 8. DATE OF S/W | Feb.1981 | 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS | |
| 9. CONSULTANT(S) | | 23.20 | |
| Overseas Coastal Area E of Japan | Development Institute | Feasibility: Yes | |
| or dapan | | Conditions and Development Impacts: | |
| | | Conditions: Cargo throughput projection (1987) for the short-term plan are | |
| 10. STUDY TEAM | | based on the development prospects of Cagayan Province. The projection for the long-term plan (2000) is based on the | |
| No. of Members 9 | 1 | development prospects of the northeastern region of Luzon | 2. MAJOR REASONS FOR PRESENT STATUS |
| Period May 198 | 1 - Mar.1982 (11 months) | Island. | (1) Due to the delay of road construction and the shortage |
| Total M/M 46,98 | | Impacts: | of cargo handling volume. (2) The change of the President. |
| Japan 35.10 Field 11.88 | | The port will function as one of the development centers for the Cagayan Valley area and contribute to the increase of | (2) The change of the President. |
| 11. ASSOCIATED AND/OR | | employment and income among the local population. | |
| SUBCONTRACTED STUDY | | | |
| Geological and oceanograph | hic survey | | |
| | e e e e e e e e e e e e e e e e e e e | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | | OJT and JICA training for counterparts | ① |
| Total | 135,996 (¥'000) | out and olow claiming for connectbatts | |
| Contracted | 101,988 | | |

和名 アイリーン港整備計画

ASE PHIL/S 311/82

Compiled Revised March 1986 March 1992

| I. OUTLINE | OF STUDY | II. SUMMARY OF STUDY RESULTS | III. P | RESENT STATUS OF | STUDIED PROJECT |
|--|-----------------------------------|--|--------------|---|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | 1. PRSENT | Completed or | Promoting |
| 2. NAME OF STUDY | | Dalton Pass, Nueva Vizcaya | STATUS | in Progress Completed | |
| Dalton Pass Tunnel Proj | ect | | | O Implementing | Delayed or Suspended |
| | | 2. PROJECT COSTS Total Cost Local Cost Foreign Cost | | Processing | Discontinued or Cancelled |
| 3. SECTOR | | (US\$1,000) 2) | (Description |) | |
| Transportation/ Road | | 3) | As a sole | project, the required i | nunctment each in ten |
| Transportation, Road | · | 3. CONTENTS OF MAJOR PROJECT(S) The Route No. 5 (Philippine-Japan Friendship Highway) is a main | high. The | priority is not given the road disaster prevent | y the Government. At |
| 4. REFERENCE NO. | | truck line connecting between the Luzon Central Plain including | existing r | outes, which require les | s costs, are being |
| 5. TYPE OF STUDY | F/S | the Metro Manila Region and the Cagayan Valley Region in the north. During the typhoon season, the Dalton Pass Region is cut | | | s suggested in the study. Iffected by the earthquake |
| 6. COUNTERPART AGENCY | | off due to landslides, roadcuts, collapsed bridges, etc. Considering this situation, the realization of the tunneling | | nd the Philippine Govern whether the road should | ment is currently be rehabilitated or the |
| Ministry of Public High | ways | project was proposed in the Dalton Pass Region. | alternativ | e road should be constru | cted. |
| 7. OBJECTIVES OF STUDY | | | | | |
| Construction of Tunnel a | and Planning of Road | | | | |
| | | Implementation Period: 1983 - 1990 | | | |
| | | | | | |
| 8. DATE OF S/W | Feb.1981 | 4. FEASIBILITY AND EIRR FIRR | 1 | | |
| 9. CONSULTANT(S) | | ITS ASSUMPTIONS 17.8% | | | |
| Katahira & Engineers | 4 | Feasibility: Yes | | | |
| | | Conditions and Development Impacts: | | | |
| | | As an assumption, the forecasted daily traffic in 2015 should be 7910 vehicles per day and a ventilation of jet-fan type, | | | · |
| 10. STUDY TEAM | | which will be at the first stage applied, shall be changed to the shaft type. The electric power for tunnel facilities shall | | | |
| No. of Members 11 Period May 1981 | - Mar.1982 (10 months) | be secured from the Gabat Substation which would be completed | 2. MAJOR RI | EASONS FOR PRESENT STA | ATUS |
| 1480 May 1901 | - Haritsox (IV Months) | in 1982. The development benefits involve : to ensure the traffic in the Dalto pass Region, and reduction of travel time | Judging th | e present economical dev | elopment, the |
| Total M/M 68.76 | | and the price increase due to cut off of roads at Dalton Pass which causes a detour through Route No. 3 connecting with Metro Manila Region. | | tion of a big project se limited financial budge | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | | | . · |
| Geotechincal Investigations Traffic surveys including (| | | : | | |
| | : | 5. TECHINCAL TRANSFER | 3. PRINCIPA | L SOURCES OF INFORMAT | TION |
| 12. EXPENDITURE | | OJT to counterparts on traffic survey and data analysis. | 1 | | |
| Total Contracted | 217,540 (¥'000) 215,452 | | | | |

和名 ダルトン・パス・トンネル計画

| I. OUTLINE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|--|---|---|
| 1. COUNTRY Philippines 2. NAME OF STUDY | I. SITE OR AREA Southern area of Manila Metropolitan zone including | 1. PRSENT Completed or in Progress Promoting |
| Metro Manila Outer Major Roads Project (Southern Package) | Las Pinas Paranaque and Muntinlupa 2. PROJECT COSTS (US\$1=225Yen) Total Cost Local Cost Foreign Cost 1) 92,200 63,000 | STATUS Completed Implementing Delayed or Suspended Processing Discontinued or Cancelled |
| 3. SECTOR Transportation/ Road 4. REFERENCE NO. 5. TYPE OF STUDY F/S 6. COUNTERPART AGENCY Department of Public works and Highways 7. OBJECTIVES OF STUDY Road Planning | (US\$1,000) 2) 3) 3. CONTENTS OF MAJOR PROJECT(S) -Improvement of roads, 17.8km (1) Paranaque to Sucat Road (7.5km) for expansion 2 lanes to 6 lanes (2) Zapote to Alabang Road (10km) for expansion 2 lanes to 4 lanes -New road construction, 20.7km Taguig-Las Pinas - Muntinlupa Road Implementation Period: 1985 - 1994 | (Description) 1. Detailed Design Work of Paranaque-Sucat Widening was completed (Feb.1988) -DPWH's own fund 2. Detailed Design for Zapoto-Alabang road widening was completed by World Bank finance. 3. Taguig-Las Pinass-Multinlupa road - F/S review was conducted in April - August 1986 - As a result of F/S review, the route was altered to Taguig-Paranaque road (length:12.9km), which is called Southern Section of C-5. - The 14th OECF Loan (4,800 millon yen, approved in January 1988) included this southern section. D/D is currently under way. |
| 8. DATE OF S/W Dec . 1980 9. CONSULTANT(S) | 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS 404 | |
| Pacific Consultants International 10. STUDY TEAM No. of Members 12 Period Mar.1981 - Mar.1982 (13 month Total M/M 69.03 Japan 9.86 Field 59.17 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographic survey, soil survey, Analysis of samples | Feasibility: Yes Conditions and Development Impacts: The project aimed to improve road network in the southern part of Metro Manila, and feasibility study was conducted for three (3) roads: Paranaque-Sucaf Road (existing): 7.5km, Zapote-Alabang Road (existing): 10.3km, Taguig-Las Pinass-Muntinlupa Road (new construction), Total length is 38.5km. Future traffic demand is expected to increase; therefore, this road planning project should contribute to ease traffic congestion as well as to other development projects in the southern region. | 2. MAJOR REASONS FOR PRESENT STATUS Paranaque-Sucat Road: Since this was considered very urgent, DPWH started by its own fund Other roads: For administrative and economical reasons, DPWH is expecting loan form OECF or IBRD |
| 12. EXPENDITURE Total 171,819 (¥'000) Contracted 166,210 | 5. TECHINCAL TRANSFER OJT and JICA training program for counterparts | 3. PRINCIPAL SOURCES OF INFORMATION ① |

Compiled March 1990 ASE PHL/A 305/82 March 1992 I. OUTLINE OF STUDY II. SUMMARY OF STUDY RESULTS III. PRESENT STATUS OF STUDIED PROJECT 1. COUNTRY 1. SITE OR AREA Philippines Completed or Promoting 1. PRSENT The north-east District of Luzon island Pangasinan in Progress 2. NAME OF STUDY province, Mabini STATUS O Completed Mabini Agricultural Development Project O Implementing Delayed or Suspended US\$1=8Ps 2. PROJECT COSTS O Processing Discontinued or Cancelled Total Cost Local Cost Foreign Cost 127,129 55,698 71,431 (Description) (US\$1,000) 2) 3. SECTOR Agriculture/ General The Government of Philippines has not requested this 3. CONTENTS OF MAJOR PROJECT(S) project since the termination of this study. Irrigation Area 4. REFERENCE NO. Dam Central core type rockfill dam(H:88.5m L:530m) Effective Capacity 240 MCM 5. TYPE OF STUDY F/S Irrigation head race 7.7 km (0.7km tunnel) Main Canal 52.5 km (Q=20.5-10.1cu.m/s) 6. COUNTERPART AGENCY Branch Canal 135.3 km National Irrigation Administration (NIA) 7. OBJECTIVES OF STUDY Stabilization of the people's livelihood and improvement of the income by the construction of rock fill dam and new 1983 - 1988 Implementation Period: irrigation system 8. DATE OF S/W Feb.1981 4 FEASIBILITY AND EIRR **FIRR** ITS ASSUMPTIONS 9. CONSULTANT(S) 12.8% Feasibility: Yes Japan Engineering Consultants Co., Ltd. Nippon Suiko Consultants Conditions and Development Impacts: Conditions: Benefit by irrigation and hydroelectric power generation 10. STUDY TEAM Development Impacts: Increase of agricultural products, No. of Members 15 Rise in agricultural income, 2. MAJOR REASONS FOR PRESENT STATUS Period Sep.1981 - Mar.1982 (7 months) Reduction of flood damage by dam construction Adjustment of project priority in the government from Marcos Total M/M 44.96 regime to Akino regime. Japan 15.17 Field 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY 3. PRINCIPAL SOURCES OF INFORMATION 5. TECHINCAL TRANSFER 12. EXPENDITURE 1.OJT 1 2.Acceptance of Trainees (2 persons) 106,975 (¥'000) Total Contracted 99,241

和名 マビニ地区農業開発計画

| I. OUTLINE | OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|---|---------------------------------------|---|---|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | Completed or |
| 2. NAME OF STUDY | | Maragondon, Cavite Province, Luzon Island | 1. PRSENT in Progress Promoting |
| Alcogas Project | | (Area 13,000ha) | STATUS Completed Implementing Delayed or Suspended |
| | | 2. PROJECT COSTS US\$1=8P | Processing Discontinued or Cancelled |
| | | Total Cost Local Cost Foreign Cost 1) 23,290 12,890 10,400 | |
| 3. SECTOR | | (US\$1,000) 2) 3) | (Description) |
| Agriculture/ General | | 3. CONTENTS OF MAJOR PROJECT(S) | The Government of the Philippines has suspended |
| | | 1.Cropping Area: 3,040ha (including Sugarcane 2,380ha) | implementation of this project because of fall in the price of crude oil. |
| 4. REFERENCE NO. | | 2. Main Roads : 4km | or cruze off. |
| 5. TYPE OF STUDY | F/S | 3. Secondary Roads : 118km 4.Related Structures : Bridges 2, Culverts 23 | |
| 6. COUNTERPART AGENCY | | Note: | |
| Philippine National Alc (PNAC) | cohol Commission | The cost above includes the industrial component. | |
| 7. OBJECTIVES OF STUDY | | | |
| To clarify the feasibil agricultural and indust of raw materials and al | rial development plan | Implementation Period: Jan. 1981 - May. 1986 | |
| 8. DATE OF S/W | Dec.1980 | 4. FEASIBILITY AND EIRR FIRR | |
| 9. CONSULTANT(S) | Dec.1980 | ITS ASSUMPTIONS 9.78 | |
| Nippon Koel Co., Ltd. | | Feasibility: Yes | |
| Chuo Kaihastu Corporation | on | Conditions and Development Impacts: | |
| | | Conditions of Project Evaluation: | |
| 10. STUDY TEAM | · · · · · · · · · · · · · · · · · · · | Agricultural Benefit is estimated based on the difference in net agricultural benefit between with and without the project | |
| No. of Members 11 | | conditions. Development Impact: | 2. MAJOR REASONS FOR PRESENT STATUS |
| | - Mar.1982 (26 months) | - Increase of farmers' income | Z. INDOK KENGONG FOR FRIENDS |
| Sep.1981 Total M/M 32.00 | - Nov.1981 (3 months) | - Increase of employment opportunity - Improvement of local transportation | |
| Japan 10.00 Field 22.00 | · | *EIRR calculated includes industrial section. | |
| 11. ASSOCIATED AND/OR | | · · · · · · · · · · · · · · · · · · · | |
| SUBCONTRACTED STUDY | | | |
| | | | |
| , i | • | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | | Technology transfer to counterparts in the course of the study. | 0 |
| Total Contracted | 139,123 (¥'000) 101,171 | recommonly character to commemparts in the course of the study. | |

PROJECT SUMMARY (Basic Study)

Compiled

March 1990 March 1992

| ASE PHIL/S 501/82 | | | | | | Revised | March 1992 |
|------------------------------------|-----------------------------------|---|---|-----------------|------------------------|---------|------------|
| I. OUTLINI | E OF STUDY | II. SUM | MARY OF STUDY RESULTS | III. PRESENT | STATUS OF USE OF | STUDY | RESULTS |
| 1. COUNTRY | Philippines | 1. SITE OR AREA | | 1. PRSENT | In Progress or In Use | | |
| 2. NAME OF STUDY | | Northern part of | Luzon Island (from Ilagan of Isabela | STATUS | Delayed | | |
| Topographic Mapping Pr Valley | roject for Cagayan | 2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS | of Cagayan Prov.; 11,000 sq.km) Total Cost Local Cost Foreign Cost | (Description) | ☐ Discontinued | | |
| 3. SECTOR | | (US\$1,000) | 1) | | | | |
| Social Infrastructures | s/ Survey & Mapping | 3. MAJOR PROJECT(S) | | | | | |
| 4. REFERENCE NO. | | 1st year: aerophotos 2nd year: datum poir | s (1/30,000, 15,000 sq.km) | | • | | |
| 5. TYPE OF STUDY | Basic Study | 3rd year: aero-trian | ngulation and orthoscopic photos | | | | |
| 6. COUNTERPART AGENCY | | ortho-phot | igulation, topographic original maps, to maps | | | | |
| Ministry of Defense, D | Dept.of Coastal Survey | 5th year: topographi | ic maps (1/25,000, 72 plates) | | | | |
| d optional to our on the | | 1 | | | | | . * |
| 7. OBJECTIVES OF STUDY | | | | | • | | |
| | | | | | | | |
| : | | | | 1 | | | 4 |
| | <u> </u> | | | | | | |
| 8. DATE OF S/W | Mar.1978 | 4. CONDITIONS AND I | DEVELOPMENT IMPACTS | | | | |
| 9. CONSULTANT(S) | | | | | | | |
| International Engineer Association | ing Consultants | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 10. STUDY TEAM | | | | | | | |
| No. of Members 19 | | | | 2. MAJOR REASO | ONS FOR PRESENT STATUS | | |
| Period Feb.197 | 9 - Feb.1983 (48 months) | | | | | | |
| Total M/M | | | | | | : | |
| Japan Field | | ļ · | | | | | |
| 11. ASSOCIATED AND/OR | | | | | | | |
| SUBCONTRACTED STUDY | | | | | | | |
| | | 5. TECHINCAL TRANS | FER | | | | |
| | | | | 3. PRINCIPAL SO | URCES OF INFORMATION | | |
| 12. EXPENDITURE | : | | | (1) | | | |
| Total Contracted | 931,676 (¥'000) 803,651 | | | | | | |

March 1990

| I. OUTLINI | OF STUDY | II. SUMMARY OF STUDY RESULTS | III. P | RESENT STATUS OF | STUDIED PROJECT |
|--|--|---|--------------|--|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | | Completed or | |
| 2. NAME OF STUDY | | C-5,C-6,Mindanao Av. and Visayas Road in Metro Manila | 1. PRSENT | in Progress | Promoting |
| Metro Manila Outer Maj | or Roads Project | | STATUS | Completed Implementing | Delayed or Suspended |
| (Northern Package) | | 2. PROJECT COSTS (US\$1=14.0pesos) | | Processing | Discontinued or Cancelled |
| | | Total Cost Local Cost Foreign Cost 1) 77,697 44,214 33,482 | (D) | | · |
| 3. SECTOR | | (US\$1,000) 2) 3) | (Description | 1) | |
| Transportation/ Road | • | 3. CONTENTS OF MAJOR PROJECT(S) | 1988 Jan. | Included in OECF E/S pack | age loan agreement |
| | : . | Increase of lanes to alleviate traffic congestions | | (2,000 million yen) D/D on C-5 Road being imp | |
| 4. REFERENCE NO. | | 1984 - 1990 32 lanes 1993 - 1996 48 lanes | | by b on a b hour being imp | Tewelled |
| 5. TYPE OF STUDY | F/S | 1993 - 1990 46 Talles | | | |
| 6. COUNTERPART AGENCY | | | | | |
| Ministry of Public Wor | ks and Highways | | | | |
| | | | | | |
| 7. OBJECTIVES OF STUDY | | | | | |
| To evaluate the feasib | ility of the outer | | | | |
| major roads in economi technical aspects | c, linancial and | Y. I. and D. I. | | | |
| | | Implementation Period: 1984 - 1996 | | | |
| | | | | | |
| 8. DATE OF S/W | Feb.1982 | 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS | | | • |
| 9. CONSULTANT(S) | | Feasibility: Yes | | | |
| Nippon Engineering Cons | sultants. | | | | |
| | ************************************** | Conditions and Development Impacts: The project will alleviate the serious traffic congestion and | | • | |
| 10. OTT INV (BOLL) | | contribute to the more orderly urban development in Metro | İ | | |
| 10. STUDY TEAM | * 1 | Manila. | | | |
| No. of Members 10 Period Jun. 198 | 2 - Jun.1983 (12 months) | | 2. MAJOR RI | EASONS FOR PRESENT STAT | rus |
| | | | | | |
| Total M/M Japan | | | | | |
| Field | | | | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | | | |
| OODCONNACTED STODY | | | | | |
| | | | | | |
| | | 5. TECHINCAL TRANSFER | 3. PRINCIPA | L SOURCES OF INFORMATION | NO |
| 12. EXPENDITURE | | | | | ······································ |
| Total | 161,996 (¥'000) | | | | |
| Contracted | 156,087 | | | | |
| 和名 マニラ首都圏北部地 | 区幹線道路網計画 | | | | {F/S, (M/P)+F/S, D/D} |
| | | -314- | | | (10) (m))TL(0) (U) |
| | | -314- | | | |
| | | | | | |
| • | | | * ** | • | • |

March 1990 Compiled ASE PHL/A 307/83 March 1992 I. OUTLINE OF STUDY II. SUMMARY OF STUDY RESULTS III. PRESENT STATUS OF STUDIED PROJECT 1. COUNTRY 1. SITE OR AREA Philippines Completed or Promoting 1. PRSENT in Progress 20,000ha in Bayombong valley in Nueva Vizcaya 2. NAME OF STUDY STATUS Province O Completed Matuno River Development Project O implementing Delayed or Suspended US\$1=240Yen in 1983 2. PROJECT COSTS O Processing Discontinued or Cancelled Total Cost Local Cost Foreign Cost 424,067 166,015 258,052 (Description) (US\$1,000) 2) 3. SECTOR Agriculture/ General Irrigation and hydropower development projects have been 3. CONTENTS OF MAJOR PROJECT(S) largely suspended in the Philippines due to worsened First phase development financial status of government. 4. REFERENCE NO. Irrigation benefit area: 13,680 ha With the economic upturn later on, movement emerged to headworks: 3 sites promote implementation of the project. 5. TYPE OF STUDY F/S main irrigation canal: 90 km However, under the latest worsening economic condition, the secondary irrigation canal: 193 km recent progress of the projects is not known. 6. COUNTERPART AGENCY main drainage canal: 90 km secondary drainage canal: 193 km National Irrigation Authority National Power Corporation Second phase development dam height: 147 m 7. OBJECTIVES OF STUDY reservoir 1 site; 137 X MCM Combined irrigation and hydropower development on Matuno river 1984 - 1996 Implementation Period: 8. DATE OF S/W 4. FEASIBILITY AND FIRR Oct.1981 EIRR ITS ASSUMPTIONS 9. CONSULTANT(S) 18.5% Feasibility: Chuo Kaihastu Corporation Tamano Consultants Conditions and Development Impacts: Hokkaido Development Consultants Project impacts: 1.Increase of employment opportunities 10. STUDY TEAM 2. Expansion of regional economy 3.Increase of resources for public investment funds No. of Members 17 2. MAJOR REASONS FOR PRESENT STATUS 4. Saving of foreign exchange Jan.1982 - Feb.1984 (26 months) Period Tetal M/M 101.93 36,23 Field 65.70 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY 3. PRINCIPAL SOURCES OF INFORMATION 5. TECHINCAL TRANSFER 12. EXPENDITURE 1.Training in Japan ①

和名 マツノ川開発計画

Contracted

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

2.OJT

302,187 (¥'000)

287,093

March 1990 March 1992

| I. OUTLINE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|--|--|---|
| 1. COUNTRY Philippines | 1. SITE OR AREA | Completed or |
| 2. NAME OF STUDY | Upper Pampanga River Basin in Central Luzon (Nueva Ecija & Bulacan Provinces) | 1. PRSENT in Progress Promoting STATUS Completed |
| Improvement Project of the Operation & Maintenance of National Irrigation Systems (UPRIIS) | 2. PROJECT COSTS US\$1=119 Total Cost Local Cost Foreign Cost 1) 83,290 32,918 50,372 | Implementing Delayed or Suspended Processing Discontinued or Cancelled |
| 3. SECTOR | (US\$1,000) 2) 30,372 | (Description) |
| Agriculture/ General | 3. CONTENTS OF MAJOR PROJECT(S) 1. Irrigation Area: 112,000ha | Application for project implementation was issued with the form of grant aid project cum project type technical |
| 4. REFERENCE NO. | 2. Rehabilitation Works | assistance. |
| 5. TYPE OF STUDY F/S | - Diversion Dams : 8 - Irrigation Canals : Diversion Canals 46.6 km | |
| 6. COUNTERPART AGENCY | Main Canals 236km - Drainage Canals : 99 km | |
| National Irrigation Administration | - River improvement : 44 km 3.Introduction of Centralized Monitoring System - Base station : 5 stations | |
| 7. OBJECTIVES OF STUDY | - Field station : 48 stations | |
| To identify the constraints of the existing irrigation system, and to propose the improvement/rehabilitation plans | 4.Improvement of system Operation office (NIA) 5.Improvement of Farmer's Organization Implementation Period: Jan.1985 - Jun.1994 | |
| 8. DATE OF S/W Jul 1982 | 4. FEASIBILITY AND EIRR FIRR | |
| 8. DATE OF S/W Jul. 1982 9. CONSULTANT(S) | 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS 19.3% | |
| Nippon Koei Co., Ltd. Nippon Giken Inc. | Feasibility: Yes | |
| | Conditions and Development Impacts: Condition: Project benefits are comprised of irrigation benefit, flood | |
| 10. STUDY TEAM | control benefit and reduction of personnel expenses for | |
| No. of Members 10 Period Sep.1982 - Feb.1984 (18 months) | operation and management of the project. Irrigation benefits are expected to be the increment of paddy between without and with project conditions. Flood control benefits are the | 2. MAJOR REASONS FOR PRESENT STATUS |
| Total M/M 59.81 Japan 15.44 Field 44.37 | expected reduction of flood damages for crops, private property, public facilities and indirect lossess. Reduction of personnel expenses will be expected by the introduction of the monitoring system, strengthening work load of field staff, etc. | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | Project Impacts: 1.Increase of rice production 2.Increase of employment opportunity 3.Increase of farmer's income 4.Decrease of flood damage | |
| | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE Total 183,882 (¥'000) Contracted 147,788 | Technology transfer to counterparts in the course of the study. | 0 |

| I. OUTLINE | OF STUDY | II. SUMMARY OF STUDY RESULTS | TH DDE | CENT COLUMN OF | |
|--|---|--|--|---|---|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | - | | STUDIED PROJECT |
| 2. NAME OF STUDY | | Bulacan and Pampanga Provinces, Central Luzon Islands, area 35,000 ha | 1. PRSENT | in Progress | Promoting |
| Improvement Project of Maintenance of National (AMRIS) | the Operation and l Irrigation Systems | 2. PROJECT COSTS US\$1=11P in 1982 Total Cost Local Cost Foreign Cost | STATUS | Completed Implementing Processing | Delayed or Suspended Discontinued or Cancelled |
| 3. SECTOR | | (US\$1,000) 2) 46,450 23,723 22,727 | (Description) | | |
| Agriculture/ General | | 3. CONTENTS OF MAJOR PROJECT(S) | -To realize th | he effective use of | state ceprated irrigation |
| 4. REFERENCE NO. | | Diversion weir : building & repair 4 places terminal facilities 34,965 ha | and management | t, Philippine Govern | e the cost of maintenance ment tries to recover the |
| 5. TYPE OF STUDY | F/S | Irrigation canal: building & repair 271.3 km Drainage canal: building & repair 202.3 km | farmers for the beneficiary fa | he transfer of facil | improve them and organize ities management to |
| 6. COUNTERPART AGENCY | | Road : building & repair 285.8 km | After the pol: | armers. itical change, natio | nal investment is |
| NIA(National Irrigation | n Administration) | | stagnant. -On the other was built in t | hand experimental f | ield for upland irrigation Rafael, Bulacan Province) |
| 7. OBJECTIVES OF STUDY | | | as one of meas | sures to promote upl | and production by Japanese l experiments have been |
| Tasa ¹ | | | started. ~1988.10.24 gr | rant aid E/N ¥1.27 k | |
| | | Implementation Period: Jan. 1984 - Dec. 1990 | center) | · | The Trigation technology |
| 8. DATE OF S/W | Feb.1982 | 4. FEASIBILITY AND EIRR FIRR | | | |
| 9. CONSULTANT(S) | 100.1302 | ITS ASSUMPTIONS 17.53% | • | | |
| Sanyu Consultants Inc. Kyowa Engineering Consu | ltants Co.,Ltd. | Feasibility: Yes Conditions and Development Impacts: | | | |
| | | Conditions: -Cost reduction through repair of facilities and improvement of | | | |
| 10. STUDY TEAM | | maintenance and management function -Increase of profit by intrduction of field crops | | | |
| No. of Members 21 Period Sep. 1982 | - Feb.1984 (17 months) | Development Impacts: -Effective use of state-operated irrigation facilities | 2. MAJOR REASO | ONS FOR PRESENT ST. | ATUS |
| Total M/M 79.05 Japan 14.11 Field 64.94 | | implemented by NIA -Improvement of maintenance and management function by improving irrigation and drainage facilities in newly expanded areas | and drop of Ph | illippine economy. Ty to observe careful | een delayed due to turmoil |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | | | |
| | | | | | |
| | | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SO | URCES OF INFORMAT | NOI |
| 12. EXPENDITURE | 100 000 00000 | transfer to NIA | ① | | |
| Total Contracted | 183,882 (¥'000) 204,964 | | | | |

PROJECT SUMMARY (Other)

ASE PHL/S 602/83

Compiled March 1990 Revised March 1992

| I. OUTLINE | E OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF USE OF STUDY RESULTS |
|--|---|---|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | |
| 2. NAME OF STUDY | | Surrounding area of Mayor Volcano in the southeast of Luzon | 1. PRSENT In Progress or In Use STATUS Delayed |
| Mayon Volcano Sabo and Project(Re-Study) | l Flood Control | 2. COSTS OF (US\$1=8P) PROPOSED PLAN OR MAJOR PROJECTS Total Cost Local Cost Foreign Cost | Discontinued (Description) |
| 3. SECTOR | | (1551 000) 1) 20,190 14,690 5,500 | The following construction works in the southern slope |
| Social Infrastructures Control | / River & Erosion | 3. MAJOR PROJECT(S) PROPOSED | included in the M/P of 1980 were carried out by local fund. Quirangay River: Training Levee No.2 Anuling River: Training Levee No.2, NO.3 and No.4 |
| 4. REFERENCE NO. | | Training Levee. Slur Dike, Consolidation Dam and Sabo Dam 1st stage Sabo works | Pawa-Burabod River: Training Levee No.5 and No.6 |
| 5. TYPE OF STUDY | Other | Quirangay River, Masarawag River, Nasisi River, Anuling River (1), Anuling River (2), | Afterward Mayor Volcano erupted and the huge debris flow (10 million cu.m) occurred in 1984. The finance for the |
| 6. COUNTERPART AGENCY | | Budiao River, Pawa-Burabad River | construction including the eastern slope and the emergency |
| Ministry of Public Worl | ks and Highways | 1st stage Disaster Prediction and Warning System | works was requested to OECF (in 1989, the 16th loan). But the application was turned down. |
| 7. OBJECTIVES OF STUDY | | | |
| Sabo plan for the area Mayon Volcano based on typhoon Daling in 1981 | of southern slope of the disaster due to | | |
| | | | |
| 8. DATE OF S/W | Feb.1982 | A CONDITIONS AND DESIGN ON CHARGOS AND | |
| 9. CONSULTANT(S) | 160,1902 | 4. CONDITIONS AND DEVELOPMENT IMPACTS | |
| Nippon Koei Co., Ltd. | | The implementation of this project will contribute to the protection of the people's livelihood in the region sufferred from the disaster due to debris flow, so that the social stability and the better livelihood will be insured. | |
| 10. STUDY TEAM | | | |
| No. of Members 12 | | | |
| · · · · · · · · · · · · · · · · · · · | ? - Mar.1983 (10 months) | | 2. MAJOR REASONS FOR PRESENT STATUS |
| Total M/M 56.63 Japan 33.03 | | | It is impossible to fund this project through domestic currency. |
| Field 23.06 | * 1 | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | |
| | | | |
| | | 5. TECHINCAL TRANSFER | |
| | | | 3. PRINCIPAL SOURCES OF INFORMATION |
| 2. EXPENDITURE | | | ① |
| Total Contracted | 144,352 (¥'000) 138,421 | engineering and surveying was carried out for the counterparts. | |
| | | | |

| I. OUTLINE | E OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESE | NT STATUS OF USE OF STUDY RESULTS |
|--|----------------------------|---|---------------------|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | | |
| 2. NAME OF STUDY | | Infanta, Real, and Nakar, Quezon, Luzon Island | 1. PRSENT STATUS | In Progress or In Use Delayed |
| Infanta - Real Area Ur Project | rban Development | 2. COSTS OF | | Discontinued |
| 110,000 | | PROPOSED PLAN OR MAJOR PROJECTS Total Cost Local Cost Foreign Cost | (Description) | |
| 3. SECTOR | : | (US\$1,000) 1) 615,000 | In January | 1988, the scope of work (F/S) on Infanta-Famy |
| Social Infrastructures Land Development | / Urban Planning & | 3. MAJOR PROJECT(S) PROPOSED | renabilitat | ban core development was signed by JICA. The ion of the Infanta-Famy road is financed by ADB, ly under construction. |
| 4. REFERENCE NO. | | (1) Improvement of transport conditions (2) Development of regional natural resources | | |
| 5. TYPE OF STUDY | M/P | (fishery) | | |
| 6. COUNTERPART AGENCY | | | | |
| Human Settlement Devel | opment Corporation | | | |
| 7. OBJECTIVES OF STUDY | | | | |
| Master plan for the ur Infanta-Real area upon development strategy a | establishing the | | | |
| | | | . • | |
| 8. DATE OF S/W | Apr.1983 | 4. CONDITIONS AND DEVELOPMENT IMPACTS | | |
| 9. CONSULTANT(S) Yachiyo Engineering Co | ., Ltd. | A master plan was undertaken for development, improvement and preservation of the study area in conjunction with the national and regional programs of the nation. In formulating the concept plan, proper urban functions were established and the kind and scale of development was reviewed taking into account the functional roles of the study area in development concept of | | |
| 10. STUDY TEAM | | the eastern Manila and eastern seaboard. | | |
| No. of Members 15 Period Jul. 198. | 3 - Mar.1985 (21 months) | | 2. MAJOR REA | SONS FOR PRESENT STATUS |
| Total M/M 75.20 Japan 5.4 Field 69.80 | 4 ' | | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | : | |
| | • | 5. TECHINCAL TRANSFER | 2 PRINCIDAL | SOURCES OF INFORMATION |
| 12. EXPENDITURE | | (1) Acceptance of trainees: One <1> counterpart (2 months) (2) Use of Local consultant: Social, economic and financial | | SOURCES OF INFORMATION |
| Total Contracted | 221,634 (¥'000) 212,283 | analysis | | |

和名 インファンタ・リアル都市開発計画

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

| ASE PHL/A 101/84 | | 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 | 1. PRSENT In Progress or In Use |
| 2. NAME OF STUDY | Nationwide | STATUS Delayed |
| Nationwide Ice Plants and Cold Storage Network System | 2. COSTS OF US\$1=240Yen PROPOSED PLAN OR | ☐ Discontinued |
| | MAJOR PROJECTS Total Cost Local Cost Foreign Cost | |
| 3. SECTOR | (US\$1,000) 1) 57,284 50,761 6,523 | The Government of Phillipines requested Japanese Government in 1985 for the Engineering Service(E/S) by OECF 13th loan |
| Fisheries/ Fisheries | 3. MAJOR PROJECT(S) PROPOSED | and E/N among two Governments was concluded in 1985. The political change at the beginning of 1986 affected ever |
| 4. REFERENCE NO. | Selected 11 zone centres and 49 prototype sites from the priority area in the Philippines and designed the facilities | projects and this was also postponed. The E/S was finalized in 1989 by Pacific Consultants |
| 5. TYPE OF STUDY M/P | upon the situation of each site. Each zone has zone centre and sub-centres. | International (PCI) funded by OECF loan, upon the contract with the Government of Philippines. |
| 6. COUNTERPART AGENCY | Major components are listed as follows: 1.Basic facilities | Department Agriculture, based on this E/S report, submitted the request letter for implementation of project to NEDA in |
| Department of Agriculture | ice making plants, ice storage, freezer, freezing room, generator and mobile ice plant. | December, 1990 and the Government of the Philippines may request Japanese Government the implementation by OECF loan |
| 7. OBJECTIVES OF STUDY | 2.Supporting facilities ice transport vehicle/vessel, spare parts, warehouse for | in 1992. |
| To formulate a M/P for the IPCS Network | | |
| System | 3.Infrastructure | |
| | Land reclamation/consolidation, tube-well and other water supply facilities, electric distribution line, parking lot and access road. | |
| 8. DATE OF S/W Aug. 1983 | 4. CONDITIONS AND DEVELOPMENT IMPACTS | 4 |
| 9. CONSULTANT(S) | | |
| System Science Consultants Inc. | Conditions: 1.Project life was assumed to last until 2020. | |
| | 2.Discount rate was assumed to be 20%. 3.Prices based on 1984. | |
| | Development Impacts: | |
| 10. STUDY TEAM | 1.Direct benefits 1)Reduction of fish spoilage. | |
| No. of Members 11 | 2) Shifting the time and location of fish sales | 2. MAJOR REASONS FOR PRESENT STATUS |
| Period Nov.1983 - Mar.1985 (17 mor | 2.Indirect benefits | By the selection of consultant by the Government of |
| Total M/M 65.04 Japan 15.60 | 1) Income increase of fishermen due to upgrading of value of fish | Philippines in 1988, PCI finalized the E/S and will |
| Field 49.44 | 2) Development and effective use of fisheries resources 3) Creation of employment opportunities | continuously engage in the D/D and supervising of this project. |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | 4) Acceleration of rural development 5) Acquisition of new technics and organizing fishermen's | |
| Nil | association 6) Effective use of MFP | |
| | 5. TECHINCAL TRANSFER | |
| | -Acceptance of trainees | 3. PRINCIPAL SOURCES OF INFORMATION |
| 2. EXPENDITURE | -Joint work related to creation of report | (1) |
| Total 167,813 (¥'000) Contracted 156,761 | | |

March 1988 March 1992

| I. OUTLINE | OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|--|---|---|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | Completed or |
| 2. NAME OF STUDY | | 1) San Jose - Ariteo (Northern Luzon) 2) Mehaplag - Sogod (Izyte) | 1. PRSENT in Progress Promoting |
| Philippine Road Disaste | er Prevention Project | 3) Rosario - Baguio (Northern Luzon) | STATUS Completed Implementing Delayed or Suspended |
| | · · · · · · · · · · · · · · · · · · · | 2. PROJECT COSTS (US\$1=234.3Yen) | Processing Discontinued or Cancelled |
| | x 1 | Total Cost Local Cost Foreign Cost 1) 26,300 10,200 | |
| 3. SECTOR | | (US\$1,000) 2) 3) | (Description) |
| Transportation/ Road | | 3. CONTENTS OF MAJOR PROJECT(S) | 1)Dalton Pass |
| | | Protection of Shoulder slope: | OECF loan (Special Rehabilitation Fund) approved 2)Mahaplag - Sogod |
| 4. REFERENCE NO. | | 1)Dalton Pass section 77 km | D/D was completed by the fund diverted from the OECF loan |
| 5. TYPE OF STUDY | F/S | 2)Mahaplag - Sogod 37 km 3)Kenon Road 34 km | (North-West Leyte Road Project). 3)Kenon Road |
| 6. COUNTERPART AGENCY | | Total 148 km | OECF loan (14th) approved in Jan.1988 (2,250 million yen) |
| Ministry of Public Work | s and Highways | | 1) and 3) were affected by the earthquake of June 1990, and D/D are being implemented again. |
| 7. OBJECTIVES OF STUDY | | | |
| Formulation of disaster for 3 selected sections | prevention measures of national highways | | |
| | | Implementation Period: Jul. 1987 - Jun. 1990 | |
| | | | |
| 8. DATE OF S/W | Feb.1983 | 4. FEASIBILITY AND EIRR FIRR | |
| 9. CONSULTANT(S) | | ITS ASSUMPTIONS 1) 18.7% | |
| Nippon Engineering Cons Katahira & Engineers In | ultants Co., Ltd. ternational | Feasibility: Yes 2)14.4% 3)16.6% | |
| | | Conditions and Development Impacts: Conditions: | |
| | | traffic projections for 1990, 2000 and 2010; traffic stoppage | |
| 10. STUDY TEAM | | due to road disasters are 16 days/year for Dalton Pass, 60 days for Mahaplag, and 18 days for Kenon. | |
| No. of Members 8 Period May 1983 | - Jun.1984 (13 months) | Development impacts: | 2. MAJOR REASONS FOR PRESENT STATUS |
| 1107 | odition (15 months) | better access to isolated areas; recovery of road reliability; stimulation of private investments; saving of rehabilitation | - large impact |
| Total M/M 55.86 Japan 1.75 | | costs. | - high priority |
| Field 54.11 | - 1 | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | |
| Geological and topographic | surveys | | |
| | | | 2 PRINCIPAL COURCES OF INFORMATION |
| | | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | | OJT and JICA training program for counterparts | 0 |
| Total Contracted | 181,268 (¥'000) 160,257 | | |

ASE PHL/S 314/84

| I. OUTLINE OF | STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|--|---------------------------------------|---|---|
| 1. COUNTRY Phi | ilippines | 1. SITE OR AREA | Completed or |
| 2. NAME OF STUDY | | Northern Luzon (Region I) | 1. PRSENT in Progress Promoting |
| Development Project of the | Port of San | | STATUS Completed |
| Fernando | | 2. PROJECT COSTS (US\$1=14P) | O Implementing Delayed or Suspended O Processing |
| | | Total Cost Local Cost Foreign Cost 1) 18,400 7.345 | |
| 3. SECTOR | | (US\$1,000) 2) | (Description) |
| Transportation/ Port | | 3) | |
| | | 3. CONTENTS OF MAJOR PROJECT(S) Wharf (Pier -10 ~ -14m) 900m | - Suspension after completion of F/S. |
| 4. REFERENCE NO. | | Dredging 4,500sq.m | Jul. 1990 Port facilities were damaged due to earthquakes |
| 5. TYPE OF STUDY F/S | 5 | Transit Sheds 32,000sq.m | the result of JICA survey |
| 6. COUNTERPART AGENCY | | Open Storage Yard 12,000sq.m Roads 12,000sq.m | Feb. 1991 Construction of Pier 1 was started |
| Philippine Ports Authority | | | Oct. 1991 Request to review the Master Plan for USAID. |
| The separate services of the s | | | |
| 7. OBJECTIVES OF STUDY | | | |
| Preparation of Master Plan | Parget year | | |
| 2000) and Short-term Develor | pment Plan | | |
| (Target year 1990). | | Implementation Period: Jan. 1987 - Dec. 1989 | |
| | | | |
| 8. DATE OF S/W Oct. 1 | 1002 | 4. FEASIBILITY AND EIRR FIRR | |
| 9. CONSULTANT(S) | .982 | 4. FEASIBILITY AND ITS ASSUMPTIONS EIRR FIRR 22.9% 4.1% | |
| Overseas Coastal Area Develo | onment Institute | Feasibility: Yes | |
| of Japan | buone menerone | Conditions and Development Impacts: | |
| | | Estimated cargo volume in 1990 and 2000 are: | |
| 10. STUDY TEAM | | 1990 1,900 thousand tonnes | |
| No. of Members 9 | | 2000 3,700 thousand tonnes The development of this promotes the port activities and | |
| The state of the s | r.1984 (14 months) | contributes to the regional development in and around Region I, as there is no large scale port in this region. | , 2. MAJOR REASONS FOR PRESENT STATUS |
| | | as there is no large scare port in this region. | (1) Shortage of finance |
| Japan 38.4 | | | (2) Alternation from the Marcos Government to the new |
| Field 20.37 | 1 | | Government (3) Problem of purchasing land |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | , | | |
| Natural Conditions Survey | | | (4) Alternation in the amount of cargo and contents |
| | | | |
| | · · · · · · · · · · · · · · · · · · · | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 2. EXPENDITURE | | Counterpart training for method of feasibility study to two | |
| Total 128 | 8,037 (¥'000) | counterparts for method of feasibility study to two | ① |
| Contracted 129 | 9,003 | | |

| 7 ARIZEV V | | | Revised March 1992 |
|--|--|---|--|
| The second secon | NE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
| 1. COUNTRY | Philippines | 1. SITE OR AREA | Completed or |
| 2. NAME OF STUDY | | Covering the whole country | 1. PRSENT in Progress Promoting |
| Development Project | on the Meteorological | | STATUS Completed |
| Telecommunication Sy | stem | 2. PROJECT COSTS (US\$1=238Yen) | Implementing Delayed or Suspended Processing |
| | • . | Total Cost Local Cost Foreign Cost 1) 18,626 2,206 16,422 | Discontinued or Cancelled |
| 3. SECTOR | | (US\$1,000) 2) 18,626 2,206 16,421 | (Description) |
| Transportation/ Mete | orology & Seismology | 3) | |
| | areast a seremorody | 3. CONTENTS OF MAJOR PROJECT(S) | 1988 Jan. OECF E/S loan agreement (308 million yen) 1989 Sep. D/D completed |
| 4. REFERENCE NO. | | Contents - Telecom. facilities | 1990 Jun. Contract on consultancy pservices for |
| 5. TYPE OF STUDY | F/S | (1) Main Trunk Line: About 950km between Luzon Island | construction (Yen currency: 457 million yen |
| 6. COUNTERPART AGENC | | and Mindanao Island (2) Branch Lines: Lines connecting each station | Peso currency: 7.8 million yen (49 million yen) |
| | | - Building and antenna of each relay station | (P1 = ¥6.2) 1991 Aug May 1992 |
| Adm. Ministry of Defence (at | rsical and Astronomical Services F/S time) | Execution of e/S regarding the above items | Preconstruction services (Tender evaluation |
| 7. OBJECTIVES OF STUDY | | (Sept. 1988 to Sept. 1989) | constract negotiation, etc.) 1992 Jun. Commencement of construction |
| | | | (Completion of construction in Feb. 1995) |
| Establishment of Meter Telecommunication Sys | eorological stem | | Total cost: \$45.8 million (US\$1=130yen), foreign exchange cost: \$38.3 million. |
| | , | | standing costs, vss.5 million. |
| | | Implementation Period: Sep. 1988 - Feb. 1995 | |
| A D. 1777 A. 1 | | | |
| 8. DATE OF S/W | Nov.1982 | 4. FEASIBILITY AND EIRR FIRR | |
| 9. CONSULTANT(S) | | ITS ASSUMPTIONS 51.9% | |
| Japan Weather Associa | tion | Feasibility: Yes | |
| | | Conditions and Development Impacts: | |
| | | Conditions - Benefit is calculated on condition that rate of natural | |
| 10. STUDY TEAM | | disaster decrease is 5%. | |
| No. of Members 13 | | - Completion of the Project is in 1995. | 0.264700 |
| Period Aug.19 | 983 - Sep.1984 (14 months) | - Eight (8) years is required for acquisition of technological knowledge by the staff concerned. | 2. MAJOR REASONS FOR PRESENT STATUS |
| Total M/M | 80 | - Replacement of equipment to be made every 10 years. | (1) Greatness of project impact |
| | 33 | Development Impacts | Mitigation of meteorological disasters Economic impact resulting from mitigation of |
| 11. ASSOCIATED AND/OR | 47 | - Mitigation of meteorological disasters - Improvement of safe operation of aircraft and ships | transportation disasters |
| SUBCONTRACTED STUDY | | " improvement of agricultural production development of related | (2) High priority of the Project |
| | | sectors(tourism, commerce, industry, etc.) | |
| | | | |
| | | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | | Technical guidance relating to telecommunication, data exchange | 0 |
| Total | 261,238 (¥'000) | system and observation system has been given to two (2) F/s | V |
| Contracted | 209,692 | counterpart officials. | |
| 和夕 复免通传细数供料 | = | | |

March 1990

| I. OUTLIN | E OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STU | DIED DOOTECT |
|--|---|--|-------------------------------------|---------------------------|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | Completed or | DIED PROJECT |
| 2. NAME OF STUDY | | Southwestern Pampanga river basin, Pampanga Province, | 1. PRSENT in Progress | Promoting |
| Gumain River Irrigatio | on Project | Central Luzon | STATUS Completed | |
| | | 2. PROJECT COSTS US\$1=14P | Implementing Processing | Delayed or Suspended |
| | | Total Cost Local Cost Foreign Cost 1) 197,714 80,928 116,786 | L | Discontinued or Cancelled |
| 3. SECTOR | | (US\$1,000) 2) | (Description) | |
| Agriculture/ General | . | 3) | unknown | |
| | | 3. CONTENTS OF MAJOR PROJECT(S) 1. Irrigation area: 16,750 ha | unknown | |
| 4. REFERENCE NO. | | 2. Gumain dam: (Type) Rockfill | | |
| 5. TYPE OF STUDY | F/S | (crest length) 43.5m (Height) 108.0m | | |
| 6. COUNTERPART AGENCY | | 3.Intake weir: (proposed) 1 | | |
| National Irrigation Ad | 』 Ministration | (rehabilitation) 3 4.Head race: 13.6 km | | |
| | | 5.Irrigation canal (main) 28.8 km | | |
| 7. OBJECTIVES OF STUDY | | (Branch) 169.6 km | | |
| Feasibility study for irrigation and drainag | Gumain River Basin e project | | | |
| | • | Implementation Period: Jan. 1986 - Dec. 1992 | | |
| the state of the s | | | | · |
| 8. DATE OF S/W | Feb.1983 | 4. FEASIBILITY AND EIRR FIRR | | |
| 9. CONSULTANT(S) | | ITS ASSUMPTIONS | | |
| Nippon Koei Co., Ltd. | | Feasibility: Yes 12.8% | | |
| | | Conditions and Development Impacts: | | • |
| en de la companya de La companya de la co | | Conditions: | | |
| 10. STUDY TEAM | | Project benefits are estimated based on the difference in net agricultural product between with and without the project. | | |
| No. of Members 15 | · · | Because a large part of the proposed area is not used for | | |
| Period Jul.198 | 3 - Feb.1985 (20 months) | agricultural products, negative externalities of the dam construction (e.g. submerged area) are not considered. | 2. MAJOR REASONS FOR PRESENT STATUS | |
| Total M/M 72.9 | 6 | Development impacts: | | |
| Japan 33.7 | 5 | Increase in agricultural products, food supply, income level in | | |
| Field 39,2 | 1 | the agricultural sector, and land productivity, etc. | | |
| SUBCONTRACTED STUDY | | | | |
| Topographic mapping | | | | |
| | | | | |
| | <u>la la l</u> | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION | |
| 12. EXPENDITURE | | Technology transfer to counterparts in the course of the study. | 1 | |
| Total Contracted | 267,250 (¥'000) 258,015 | | | |

| 7 07/01/75 | | | Revised March 1992 |
|--|--|--|--|
| The state of the s | E OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF USE OF STUDY RESULTS |
| 1. COUNTRY | Philippines | 1. SITE OR AREA | 1. PRSENT In Progress or In Use |
| 2. NAME OF STUDY | | Metro Manila | STATUS Delayed |
| Metro Manila Transpor | tation Planning | 2 COSTS OF | Discontinued |
| | | 2. COSTS OF PROPOSED PLAN OR | |
| | | MAJOR PROJECTS Total Cost Local Cost Foreign Cost | (Description) |
| 3. SECTOR | | (US\$1,000) 1) 40,212 | 1. This study, with technology transfer in transportation |
| Transportation/ Urban | Transportation | 3. MAJOR PROJECT(S) PROPOSED | planning as one of its main objectives, has been undertaken in close coordination with counterparts, |
| 4. REFERENCE NO. | | - 1) Preparation of a detailed bus/jeepney rerouting plan for the influence area of LRT Line No.1. | including regular meetings, involvement of local consultants and a series of organized seminars. As a |
| 5. TYPE OF STUDY | M/P | 2) Preparation of detailed traffic management and road and public transport facilities to be associated with the recouting plan. | consequence, the database prepared inthe study has been intensively used, not only by DOTC but also DPWH and |
| 6. COUNTERPART AGENCY | | 3) Development of bus/jeepney route management system for the optive that we want | Transport Training Center, as well as by a number of |
| Ministry of Transporta | | 4) Preparation of traffic management improvement plans for bus/jeepney terminal areas in Myro Manila. | students for their research work, thesis, and dissertation. Update of the database, however, has not |
| Communications | | Preparation of comprehensive development plans for five (5) mode interchange areas; Divisoria Area: large-scale transport cum commercial and cultural facilities | been adequately done, though necessary manuals were prepared. |
| 7. OBJECTIVES OF STUDY | | complex for LRT, bus and jeepney (2) Recto Area: large-scale transport cum commercial and cultural facilities | 2. Public transport route management system based on PC has |
| - Transportation rerou | ting plan | complex for LRT Line 1 and Line 2, bus and jeepney large-scale transport cum commercial and business complex for | been officially introduced to DOTC's planning administration system. At present, the system is being |
| - Transportation devel | opment policy | LRT Line 2, bus and jeepney (4) C3/Quezon Avenue Area: medium-scale transport cum commercial complex for bus | utilized but insufficient update of the database affect the quality of planning work. |
| | | and jeepney (5) Novaliches Area: small-scale transport cum commercial facility development in | 3. Rerouting plans were partly implemented even during the |
| | | suburban area for bus, jeepney and tricycle 6) Development of transport database management method and system | study period. Rerouting of jeepneys along the LRT corridor were not wholly implemented due to political |
| 8. DATE OF S/W | 1)Jul.1982 2)Mar.1984 | 4. CONDITIONS AND DEVELOPMENT IMPACTS | reasons: However, the proposed integration of bus/ jeepney routes was implemented based on which the |
| 9. CONSULTANT(S) | | (i) Secuting | official updated route list was prepared. |
| ALMEC Corporation | | Conditions: Strengthening of bus and jeepney route management capabilities of related government | Recommendations on the mode interchange areas development have not been properly followed up by the government. |
| | | - bevilopment of public transport facilities to lead bus and jeepney operators. - Rationalization of public transport operation through proper functional split among the IRT bus and decease. | However, due to the recent increase in land price and |
| | | the IAT, bus and Jeannay of the IAT of the I | urban development opportunities, plans are reviewed and renewed actions take place. |
| 10. STUDY TEAM | | Officials of financial support or incentives by the government for transport The state of the state of the state of the state of transport Taken to the state of the state o | |
| No. of Members 15 | | Effects: | 2. MAJOR REASONS FOR PRESENT STATUS |
| | 2 - Mar.1984 (16 months) 4 - Sep.1985 (15 months) | convenience, waiety, etc. (3) Transport Database Management Method | |
| Total M/M 158.6 | В | Conditions: - Nill of implementation of relevant agencies - Datablishment of periodical database updailing system and organization Effects: | Rarouting Plan: Administrative management of jeepenys, unlike buses, in quite difficult because of their rather informal operation. The actual conditions of jeepenys here because unclear again. Efforts taken for the strengthening of tout a summer of the property of the pro |
| Japan 13.5 Field 145.12 | | Effects: - Efficiency increase in planning administration | capabilities. |
| 11. ASSOCIATED AND/OR | | | developed areas with relatively high land price. The project areas are normally developed areas with relatively high land price. The private sector is rejuctent to develop unprofitate transport terminals by thesestwes and also dome not have the know-how of generating development cost by increasing value added through integrated development of terminal and commercial facilities. The government larks income three lands and commercial facilities. |
| SUBCONTRACTED STUDY | | | government lacks institutional framework and administrative and financial capabilities to encourage the private sector's implyment. |
| transport surveys and sys | | 5. TECHINCAL TRANSFER | |
| | | | 3. PRINCIPAL SOURCES OF INFORMATION |
| 2. EXPENDITURE | | use of PCs for transportation planning | |
| Total | 490,159 (¥'000) | (2) Training of two counterparts in Japan (3) Practical use of local consultants for cost | (1) |
| Contracted | 468,192 | estimate and systems analysis | |
| Sen Ary | | | |

ASE PHL/S 106 /85 Compiled March 1988 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 1. PRSENT In Progress or In Use 2. NAME OF STUDY Panay Basin, Copig Province, Panay Island Delayed STATUS Panay River Basin-Wide Flood Control □ Discontinued 2. COSTS OF (US\$1=234Yen) PROPOSED PLAN OR MAJOR PROJECTS (Description) Total Cost Local Cost Foreign Cost 3. SECTOR 323,000 The feasibility study of teh priority projects selected by 195,000 128,000 (US\$1,000) the Master Plan Study has been deferred because its priority Social Infrastructures/ River & Erosion 3. MAJOR PROJECT(S) PROPOSED in the central government is not so high. However, Control necessity of the flood control component in particular is 4. REFERENCE NO. (1) Flood control project: a. Improvement and enlargement of bankful 150km substantially recognized between local people and it is of floodways and river structures. b. Constructions of polder dikes at expected that the projects could develop and enhance a vital 5. TYPE OF STUDY 7 towns/villages. c. Construction of a multipurpose dam (Panay B dam). economic activities in the region. d. Establishment of appropriate guidelines for flood plain maangement in Further, unbalance of the development inter-region of areas vulnerable to floods of about 340 sq.km. in total and and 6. COUNTERPART AGENCY Visayas became bigger due to recent acceleration of relocation of housing in these areas. Ministry of Public Works and Highways investment in Cebu. Therefore, the priority projects in (2) Irrigation projects: a. Development of 3,250ha by irrigation in Panay island are situated as one of key compoonents in the (Department of Public Works and Highways) Panitan-Panay area. b. Rehabilitation of irrigation facilities and region-wide development plan. The earlier implementation of expansion of arable areas in Mambusao to 2,145ha. the feasibility study will be realized by means of positive 7. OBJECTIVES OF STUDY (3) Water supply project: a. Supply of uncontaminated water from Panay river to Roxas City and increase the existing supply capacity by promotion and endorsement by the provincial government. Flood control 7,450 cu.m. (4) Hydropower generation project: a. Construction of the Panay B power station with an installed capacity of 7,100 kW and an annual energy output of 31.4 Gwh. 8. DATE OF S/W Dec.1982 4. CONDITIONS AND DEVELOPMENT IMPACTS 9. CONSULTANT(S) Nippon Koei Co., Ltd. Flood control plan con, protect 340 sq.km in the basin which is equivalent of 1/4 of area of potentially usuable land, and 15% of basin catchment area. Not only by flood control but also by irrigation and municipal and Industrial water supply, integrated landuse in the basin will be promoted in the future. 10. STUDY TEAM No. of Members 18 2. MAJOR REASONS FOR PRESENT STATUS Period Feb.1983 - Nov.1985 (33 months) Although this project has smaller economic investment effect Total M/M 89.92 than the present guideline of the Philippines (EIRR 15%), it 21.65 is important to implement this project for rural economy as Field 68.29 well as flood control. 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY 5. TECHINCAL TRANSFER 3. PRINCIPAL SOURCES OF INFORMATION (1) OJT: A seminor was held after the draft final report was submitted. 12. EXPENDITURE (1) (2) Trainee: Two trainees visited Japan. Total 414,927 (¥'000) (3) Working with counterparts was conducted. Contracted 241.418

ompiled March 1988

| I. OUTLIN | E OF STUDY | IL SUM | MARY OF STUDY RESULTS | THE DESIGNA | | William Committee of the Committee of th |
|--|--------------------------------------|---|---|----------------------|--------------------------|--|
| 1. COUNTRY | Philippines | 1. SITE OR AREA | RESULTS | III. PKESEN | IT STATUS OF USE OF | STUDY RESULTS |
| 2. NAME OF STUDY | | South-west of Luz | zon | 1. PRSENT | In Progress or In Use | · |
| Development Project o | n the Port of Batangas | 2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS | (US\$1=19P) Total Cost Local Cost Foreign Cost | STATUS (Description) | ☐ Delayed ☐ Discontinued | |
| 3. SECTOR | | (US\$1,000) | 1) 13,632 5,684 7,948 | Followed by | F/S. | |
| Transportation/ Port | | 3. MAJOR PROJECT(S) | PROPOSED PROPOSED | | | |
| 4. REFERENCE NO. | | (Master Plan) | perths for cargo handling (3,063 thousand | | · | |
| 5. TYPE OF STUDY | M/P+(F/S) | tonnes) and passenge | ers. ,,570 m | | • | |
| 6. COUNTERPART AGENCY Philippine Ports Author | rity | ** | 731 thousand cu.m 731 thousand cu.m 142 thousand sq.m | | : | |
| 7. OBJECTIVES OF STUDY | | | | | | |
| Preparation for Master 2000) and short-term d (Target year 1990) | Plan (Target year evelopment plan | | | | | |
| 8. DATE OF S/W | Jun.1984 | 4. CONDITIONS AND F | DEVELOPMENT IMPACTS | | | a 7 |
| 9. CONSULTANT(S) Overseas Coastal Area of Japan | | Batangas city is loca Manila. Economy of Batangas | ated approximately 100km south of Metro area including Batangas city is expected to the progress of Metro Manila. | | | |
| 10. STUDY TEAM | | | | | | |
| No. of Members 10 Period Sep. 198 | 4 - Dec.1985 (16 months) | | | 2. MAJOR REAS | ONS FOR PRESENT STATUS | |
| Total M/M 76.4 Japan 44.5 Field 31.9 | 0 | | | | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY Sounding survey, Shoreling | - P | | | | | |
| survey, Soil explorations | | 5. TECHINCAL TRANSF | | 2 DDINGIBAL OF | NEODO OF BIEDOS | |
| 2. EXPENDITURE | | Counterpart training -Feasibility study m | ethod | | DURCES OF INFORMATION | |
| Total Contracted | 181,400 (¥'000) 178,642 | -rield survey of por | ts similar to Batangas port | 0 | | |

| | PROJECT | SUMMARY | (M/P | + | F/S |
|--|----------------|----------------|------|---|-----|
|--|----------------|----------------|------|---|-----|

| → = ±±1.5% % | | | | |
|--|---------------------------------------|---|--|---------------------------|
| | E OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF S | TUDIED PROJECT |
| 1. COUNTRY | Philippines | 1. SITE OR AREA | 1. PRSENT Completed or in Progress | Promoting |
| 2. NAME OF STUDY | J: · | South-west Luzon | STATUS O Completed | () . contoung |
| Development Project or | n the Port of Batangas | 2. PROJECT COSTS (US\$1=19P) | O Implementing | Delayed or Suspended |
| | | a Tropper Copie | Processing | Discontinued or Cancelle |
| | | 1) 13,631 5,684 7,947 | (Description) | |
| 3. SECTOR | | (US\$1,000) 2) 3) | (LASCIPTION) | |
| Transportation/ Port | | 3. CONTENTS OF MAJOR PROJECT(S) | | |
| 4. REFERENCE NO. | | Wharf (-10m) 185 m | 1986 Jan. OECF E/S loan agreement (1 1990 D/D completed and applicat | 90 million yen) |
| 5. TYPE OF STUDY | | (-5m) 105 m (-5m,Pier) 105 m | (pledge is expected in par | IV 1991). |
| | (M/P)+F/S | (-4.5m) 155 m | 1991 May OECF loan agreement was con 1991 Nov Philippines government is o | ncluded. Examing PQ. |
| 6. COUNTERPART AGENCY | | Dredging 430,000 cu.m | | |
| Philippine Port Author | city | | | |
| 7. OBJECTIVES OF STUDY | | | | |
| | j | | | |
| Preparation of Master 2000) and short-term d | Plan (target year | | | |
| (target year 1990) | oroxopmente pran | Implementation Period: Jun.1986 - Dec.1989 | | |
| | | Implementation Period: Jun.1986 - Dec.1989 | · ' | |
| B. DATE OF S/W | | | | |
| 9. CONSULTANT(S) | Jun.1984 | 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS | | |
| | <u></u> | Feasibility: Yes | | |
| Overseas Coastal Area of Japan | Development Institute | | | • |
| | | Conditions and Development Impacts: Projection of cargo volume | | |
| 0. STUDY TEAM | | 1990: 596 thousand tonnes | | |
| | | 2000: 3,050 * * Development Impact | | |
| No. of Members 10 Period Sep. 198 | 4 - Dec.1985 (16 months) | Contribution to the development of South Tagalog area | 2. MAJOR REASONS FOR PRESENT STATU | S |
| | · · | and also to the development of social and economic activities in Metro Manila | | - |
| Total M/M 76.4 Japan 44.5 | | | | |
| Field 31.9 | · · · · · · · · · · · · · · · · · · · | | | |
| 1. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | | | |
| Sounding survey, Shoreling | O DUTYOU COORTELLA | | | |
| survey, Soil explorations | e survey, Geographical | | | |
| | | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION | T. |
| 2. EXPENDITURE | | Counterpart training(3 persons) | ① | 1 . |
| Total | 181,400 (¥'000) | -Feasibility study method | | |
| Contracted | 178,642 | -Field survey of ports similar to Batangas port | | |
| 和名 バタンガス港整備計 | <u>画</u> | | | |
| | | | | $\{F/S, (M/P)+F/S, D/D\}$ |
| | | −328 −− | | |

| I. OUTLINE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
|---|--|---|
| 1. COUNTRY Philippines | 1. SITE OR AREA | Completed or |
| 2. NAME OF STUDY | 1) Lucena - Calawag (N.Luzen) 2) Allen - Calbayeg (Samar) | III 110g.cos |
| Philippine Road Disaster Prevention Pro Stage II | 2. PROJECT COSTS (US\$1=236.4Yen) Total Cost Local Cost Foreign Cost | STATUS Completed Implementing Delayed or Suspended Processing Discontinued or Cancelled |
| 3. SECTOR | (US\$1,000) 2) 3,725 1,438 | (Description) |
| Transportation/ Road | 3) | 11711-1171 |
| | 3. CONTENTS OF MAJOR PROJECT(S) Protection of shoulder slope: | 1) Lucena - Calawag OECF loan (Special Rehabilitation Fund) approved |
| 4. REFERENCE NO. | Lucena - Calawag 95.7 km | 2) Allen - Calbayog and Nagilian Road OECF loan (16th) approved. |
| 5. TYPE OF STUDY F/S | Allen - Calbayog 72.9 km Nagilian Road 47.2 km | |
| 6. COUNTERPART AGENCY | Total 215.8 km | Because of the earthquake in the summer of 1990, D/D is being implemented again. |
| Ministry of Public Works and Highways | | |
| 7. OBJECTIVES OF STUDY | | |
| Formulation of disaster prevention meas for 3 selected sections of national high | ures Nways | |
| | Implementation Period: Jan. 1990 - Aug. 1991 | - |
| | | |
| 8. DATE OF S/W Aug. 1984 | 4. FEASIBILITY AND EIRR FIRR | |
| 9. CONSULTANT(S) | ITS ASSUMPTIONS 1)16.08 | |
| Nippon Engineering Consultants Co., Ltd. Katahira & Engineers International | 3713.10 | |
| | Conditions and Development Impacts: | |
| | Conditions: Traffic projections for 1990, 2000 and 2010; road closure by | |
| 10. STUDY TEAM | disasters are 8 days/year for Lucena - Calawag, 9 days for Allen - Calbayog and 4 days for Nagilian Road. | |
| No. of Members 7 Period Sep. 1984 - Jul. 1985 (9 mont) | Development impacts: | 2. MAJOR REASONS FOR PRESENT STATUS |
| | stimulation of private investments; saving of rehabilitation | - large impact |
| Total M/M 31.46 Japan 2.46 | costs | - high priority |
| Field 29.00 | | |
| 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY | | |
| Geological and topographic surveys | | |
| | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | | |
| Total 99,822 (¥'000) | OJT and JICA training program for counterparts | ① |
| Contracted 93,173 | | |

March 1992 I. OUTLINE OF STUDY II. SUMMARY OF STUDY RESULTS III. PRESENT STATUS OF STUDIED PROJECT 1. COUNTRY Philippines 1. SITE OR AREA Completed or 1. PRSENT Promoting Upstream reach of Agno River, middle Luzon island 2. NAME OF STUDY in Progress STATUS O Completed San Roque Multi-Purpose Dam Project O Implementing Delayed or Suspended (Re-Study) (US\$1=9.00P) 2. PROJECT COSTS O Processing Discontinued or Cancelled Total Cost Local Cost Foreign Cost 1,200,000 (Description) (US\$1,000) 3. SECTOR 2) Social Infrastructures/ Water Resource Suspended after F/S. 3. CONTENTS OF MAJOR PROJECT(S) Development structure Note: A hydroelectric power project is required in view of 4. REFERENCE NO. the large load demand in Luzon Island. The existing Main Dam (filldam) Gross storage 990 million cu.m 5. TYPE OF STUDY nuclear power station is abandoned to operate. F/S Effective storage 670 million cu.m Although the Project is not listed by NPC, the 6. COUNTERPART AGENCY Project is likely to be adopted if NPC decides to Installed Capacity 390MW implement new projects. National Power Corporation (NPC) 7. OBJECTIVES OF STUDY - Review of hydrological study - Evaluation on quality of irrigation water Implementation Period: 8. DATE OF S/W Oct.1983 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS 9. CONSULTANT(S) Feasibility: Yes Nippon Koei Co., Ltd. (Nikkou Tankai) Conditions and Development Impacts: 1. JICA preliminary study team pointed out to carry out additional investigations for the review of 10. STUDY TEAM hydrological analysis and the evaluation of water quality. No. of Members 17 2. Although there was a slight difference between the 2. MAJOR REASONS FOR PRESENT STATUS Period Nov.1983 - Mar.1985 (17 months) estimated low flow and those of F/S (by Italian Consultant), the scale of reservoir was proposed as (1) Domestic condition: change of political power, deficit Total M/M 38,.35 the same of the F/S. of domestic fund. 12.69 Japan 3. On the basis of the forecasted water quality in the Field 25.66 reservoir, the increasing ratio of copper concentration (2) Others: Construction cost was estimated at over US\$ in the soil of paddy field and the damage of crop were 11. ASSOCIATED AND/OR 1.2 billion so that it was difficult to secure studied. The data shows that the damage will be SUBCONTRACTED STUDY tangible after 150 years. 3. PRINCIPAL SOURCES OF INFORMATION 5. TECHINCAL TRANSFER 12. EXPENDITURE 1. Training in Japan (JICA trainee): 2 persons (first 1 year) and 1 person (second year) 117,374 (¥'000) Total 2. Supply of equipment and the instruction on operation Contracted 102,244

和名 サンロケ多目的ダム開発計画

ASE PHL/S 317/85

Compiled

March 1988

ASE PHL/A 311/85 Compiled March 1990 March 1992 I. OUTLINE OF STUDY II. SUMMARY OF STUDY RESULTS III. PRESENT STATUS OF STUDIED PROJECT 1. COUNTRY 1. SITE OR AREA Philippines Completed or 1. PRSENT Promoting Asue river and adjacent basin 2. NAME OF STUDY in Progress (irrigated area: 6,760ha): STATUS Completed Asue River Basin Agricultural Development O Implementing Delayed or Suspended Project US\$1=240Yen in Oct.1984 2. PROJECT COSTS O Processing Discontinued or Cancelled Local Cost Foreign Cost 38,470 16,927 21,543 (US\$1,000) (Description) 2) 3. SECTOR 72,813 40,408 32,405 3) Agriculture/ General Irrigation development projects have been largely suspended 3. CONTENTS OF MAJOR PROJECT(S) in the Philippines due to worsened financial status of Outside benefit area: 4. REFERENCE NO. Dam and appurtenant facilities, basin alteration channel, Although NIA would like to implemente the project early, hydropower plant, transmission facilities, water service 5. TYPE OF STUDY there is no movement to realize this project as of the F/S facilities present. Inside Benefit area: 6. COUNTERPART AGENCY Asue weir, Bakabak weir, Gubaton weir, main irrigation canal National Irrigation Authority and appurtenant facilities, Asue river improvement works, drainage canal, roads and appurtenant facilities, terminal facilities, rural community center 7. OBJECTIVES OF STUDY The Cost 1) above is based on the effective exchange rate as of Integrated rural development in Asue and Oct. 1984, and the Cost 2) includes price changes. adjoining basin Implementation Period: 8. DATE OF S/W Jan.1983 4. FEASIBILITY AND **EIRR** FIRR ITS ASSUMPTIONS 9. CONSULTANT(S) 13.2% 9.78 Chuo Kaihatsu Corporation Feasibility: Sanyu Consultants Inc. Tamano Consultans Conditions and Development Impacts: Project impacts on national socio-economy: 1.Contribution to food self sufficiency 10. STUDY TEAM 2.Contribution to national economy 3.Contribution to reduction of oil imports No. of Members 12 4.Saving of foreign currency 2. MAJOR REASONS FOR PRESENT STATUS Period May.1984 - Aug.1985 (16 months) 5. Improvement of living standards and nutrition Project impacts on Project areas: Total M/M 70.43 1.Stabilization of livelihood and increased income Japan 31.26 2.Improvement of health, sanitation and living environment Field 39.17 3.Increase of employment opportunities 4.Strengthening of road network 5.Household electrification 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY 6. Improvement of quality and marketability of farm products 7.Stabilization of domestic water supply 8.Community activities through community center 9. Improvement of farmer incentive to participate in project through irrigation facility O/M groups 3. PRINCIPAL SOURCES OF INFORMATION 5. TECHINCAL TRANSFER 12. EXPENDITURE Training in Japan (1) 225, 492 (¥'000) Contracted 210,094

和名 アスエ川流域農業開発計画

ASE PHL/A 312/85

| | | Revised March 199. |
|---|---|--|
| I. OUTLINE OF STUDY | II. SUMMARY OF STUDY RESULTS | III. PRESENT STATUS OF STUDIED PROJECT |
| 1. COUNTRY Philippines | 1. SITE OR AREA | 1. PRSENT Completed or Promoting |
| 2. NAME OF STUDY | Warig River Basin of Bohol Islands irrigation area 5,300ha, drainage area 12,700ha | 1. PRSENT in Progress Promoting STATUS Completed |
| Bohol Irrigation Development Project | | ■ Implementing Delayed or Suspended |
| (Phase II) | 2. PROJECT COSTS US\$1=18P Total Cost Local Cost Foreign Cost | Processing Discontinued or Cancelled |
| | 1) 36,556 14,333 22,222 | (Description) |
| 3. SECTOR | (US\$1,000) 2) 3) | (Description) |
| Agriculture/ General | 3. CONTENTS OF MAJOR PROJECT(S) | Although the whole project is not materialized, small dam, |
| | Water Resources Development of Warig River and other rivers | main and branch canals, and on-farm facilities whose service area is about 750 ha are presently implemented as |
| 4. REFERENCE NO. | in the area. 2) Arrangement of irrigation, drainage, farm roads and other | the grant aid project by Japanese government. |
| 5. TYPE OF STUDY F/S | on-farm facilities. | |
| 6. COUNTERPART AGENCY | Concretely, | |
| National Irrigation Authority | - Water resources development by Boyongan reservoir and | |
| | Capayas reservoir - Irrigated areas of 5,300 ha and 3,540 ha in rainy season and | |
| 7. OBJECTIVES OF STUDY | dry season, respectively - Drinking water supply | |
| Agricultural development plan with | brinking water supply | |
| irrigation facilities | | |
| | Implementation Period: Jan. 1987 - Dec. 1991 | |
| | | |
| 8. DATE OF S/W Feb. 1984 | 4. FEASIBILITY AND EIRR FIRR ITS ASSUMPTIONS | 1 |
| 9. CONSULTANT(S) | 13.48 | |
| Sanyu Consultants Inc. Nihon Suido Consultants Co., Ltd. | Feasibility: Yes | |
| Naigai Engineering Co., Ltd. | Conditions and Development Impacts: | |
| Asahi Aerial Survey Co., Ltd. | 1) Improvement of Living Standard of Regional Farmers. | |
| 10. STUDY TEAM | 2) Supply of Drinking Water (3.9 1/s or 366 m3/day). | |
| No. of Members 12 Period Dec. 1984 - Dec. 1985 (13 mont | 3) Production Increase of Rice, Beans, Groundnuts, Maize, Fruit | 2. MAJOR REASONS FOR PRESENT STATUS |
| Period Dec.1984 - Dec.1985 (13 mont Jun.1984 - Dec.1984 (7 month | $^{\text{HS}}$ to 29,900 ton, 420 ton, 710 ton, 1.130 ton, and 3.740 ton | |
| Total M/M 51.13 | | |
| Japan 19.10 Field 32.03 | | |
| 11. ASSOCIATED AND/OR | | |
| SUBCONTRACTED STUDY | | |
| | | |
| | 5. TECHINCAL TRANSFER | 3. PRINCIPAL SOURCES OF INFORMATION |
| 12. EXPENDITURE | | |
| Total 197,006 (¥'000) | To the counterpart in the process of implementation. | ① |
| Contracted 189,602 | | |

和名 ポホール灌漑開発計画フェーズII

Compiled March 1990
Pavined March 1992

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 In Progress or In Use 1. PRSENT Two cities (Angeles and Dagpan) and two groups of towns 2. NAME OF STUDY Delayed **STATUS** (Cabyao, Santa Rosa and Biniyan: Bayombong and Sorano) Municipal Water Supply Project ☐ Discontinued (US\$1=20.50P) PROPOSED PLAN OR (Description) MAJOR PROJECTS Total Cost Local Cost Foreign Cost 3. SECTOR Followed by F/S. 43,678 18,573 (US\$1,000) Public Utilities/ Water Supply Detailed design and construction work are conducted for 3. MAJOR PROJECT(S) PROPOSED Angeles City, Bayombon-Solano and Ilocos Norte, financed by (1) Angeles City: Construction of 13 tube wells, 3 OECF Loan. 4. REFERENCE NO. distribution reservoir and booster pumping 5. TYPE OF STUDY M/P+(F/S)station (2) Dagupan City: Construction of 19 tube wells, chlorinator 6. COUNTERPART AGENCY treatment facilities and transmission pipeline Local Water Utilities Administration (LWUA) (3) Cabuyao-Sta. Rosa-Binan: Construction of new distribution reservoir, distribution pipeline and booster pumping 7. OBJECTIVES OF STUDY station (4) Bayombong-Solano: Formulation of a master plan for water Construction of radial well facilities, supply in seven local cities and towns chlorinator treatment facilities and transmission and distribution pipeline 8. DATE OF S/W Oct.1985 4. CONDITIONS AND DEVELOPMENT IMPACTS 9. CONSULTANT(S) 1) Improvement of living environment Nippon Jogesuido Sekkei Co. 2) Economic impacts as follows - Decrease of water-borne diseases - Reduction of medical expenses - Increase of working hours - Increase of land prices 10. STUDY TEAM - Reduction of fire damages No. of Members 10 2. MAJOR REASONS FOR PRESENT STATUS Period Feb.1986 - Mar.1987 (14 months) This water supply projects are expected highly social Total M/M 40.97 economic benefit for the project area. 19.93 LWUA, executing agency, is nation-wide agency and control Field almost water supply projects in the Philippines, so LWUA 11. ASSOCIATED AND/OR SUBCONTRACTED STUDY can influence government policy. Water quality analysis 5. TECHINCAL TRANSFER 3. PRINCIPAL SOURCES OF INFORMATION (1) On-the-job training on development planning for urban water supply system. 12. EXPENDITURE (1) (2) On-the-job training on tube well construction. Total 163,499 (¥'000) Contracted 149,175

和名 地方都市上水道整備計画