

STUDY ON PRESENT STATUS OF COMPLETED DEVELOPMENT STUDIES

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PREFACE

The Japan International Cooperation Agency (hereafter JICA) has conducted a large number of Development Studies and the findings and recommendations of the studies are utilized in accordance with the initiatives of the recipient governments, and they are employed in a wide variety of ways. In view of the importance of securing traceability on the impact of completed studies, JICA has been conducting follow-up studies annually since fiscal year 1984 to gather and compile relevant information on the status of proposed projects by the studies and how the studies have been utilized in the recipient countries.

The follow-up study of this year, just as last year, is focused on social development studies, agriculture, forestry and fishery development studies, and mining and industry development studies completed in FY 2004, 2006 and 2008, and also on the studies completed in 10 years ago (FY 1999), gathering wide range of information from related government organizations and domestic consultants aiming at getting detailed update information of each study.

I hope that this report will contribute to the improvement of international cooperation activities that leads to the development in the recipient countries.

Finally, I wish to express my sincere appreciation to the concerned organizations and Japanese consultants who cooperate with this study.

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Contents

Summary

Chapter 1: Outline of the Study	1
1.1 Background and Purpose of the Follow-up Study.....	1
1.2 Methodology of the Follow-up Study	2
1.3 Criteria to Classify Utilization Status of Development Study.....	10
1.4 Collection of Related Information.....	12
1.5 Consolidation of Study Findings	12
 Chapter 2: An Overview of Development Studies	 13
2.1 Status of Completed Studies in the M/P Studies Group.....	13
2.1.1 Status of Studies by Region.....	14
2.1.2 Status of the M/P Studies Group by Study Type.....	14
2.1.3 Status of the M/P Studies Group by Area and Sector.....	15
2.1.4 Status of Studies “In Progress or In Use”	15
2.1.5 Status of Studies under “Delayed, Discontinued or Cancelled”	19
2.2 Status of Completed Studies in the F/S Studies Group	21
2.2.1 Realization Status of Completed Studies by Region	22
2.2.2 Realization Status of Completed Studies by Study Type.....	23
2.2.3 Realization Status of Completed Studies by Sector	24
2.2.4 Status of Studies “Completed or In Progress”	26
2.2.5 Status of Studies at “Under Promotion”	33
2.2.6 Status of Studies “Delayed or Suspended” or “Discontinued or Cancelled”	38
 Chapter 3 An Overview of Completed Development Studies	 43
3.1 Trends in Numbers of Completed Studies.....	43
3.1.1 Numbers of Development Studies by Region	44
3.1.2 Numbers of Studies by Country	46
3.1.3 Numbers of Studies by Type.....	47
3.1.4 Numbers of Studies by Sector	48
3.2 Overview of M/P Studies Group	53
3.2.1 Utilization Rates by Region.....	54
3.2.2 Utilization Rates by Country	55
3.2.3 Utilization Rates by Study Type	55
3.2.4 Utilization Rates by Sector	56
3.3 Overview of F/S Studies Group.....	57
3.3.1 Realization Rates by Region.....	58

3.3.2	Realization Rates by Country	59
3.3.3	Realization Rates by Study Type	59
3.3.4	Realization Rates by Sector.....	60
Chapter 4. Conclusions and Recommendations.....		63
4.1	Entire Development Studies	63
4.2	M/P Studies groups.....	64
4.3	F/S Studies groups.....	65
4.4	Recommendations	66

Appendix Questionnaire for FY 2009 Study

Figures & Tables

<Figures>

Fig. 2-1 Details of Fund Procurement	17
Fig. 3-1 Time Trend of Number of Completed Development Studies	43
Fig. 3-2 Number of Development Studies by Region and Sector	44
Fig. 3-3 Time Trend of Number of Development Studies by Type of Study	48
Fig. 3-4 Transportation (%)	50
Fig. 3-5 Social Infrastructure (%)	50
Fig. 3-6 Public Utilities (%)	51
Fig. 3-7 Agriculture (%)	51
Fig. 3-8 Industry (%)	52
Fig. 3-9 Energy (%)	53

<Tables>

Table 1-1 Time Trend of Number of Development Studies	3
Table 1-2 Classification of Countries and Regions	4
Table 1-3 Type of Development Study	4
Table 1-4 Category of Development Studies	8
Table 1-5 Sector of Studies	9
Table 1-6 Status for the M/P Studies Group	10
Table 1-7 Status for the F/S Studies Group	11
Table 2-1 Present Status of the M/P Studies Group by Study Completion Year	13
Table 2-2 Utilization Status of the M/P Studies Group by Region	14
Table 2-3 Utilization Status of the M/P Studies Group by Type of Study	14
Table 2-4 Utilization Status of the M/P Studies Group by Area	15
Table 2-5 Details of "In Progress or In Use" Studies in the M/P Group	16
Table 2-6 Time elapsed in conducting subsequent study	16
Table 2-7 Details of Fund Procurement	17
Table 2-8 Years Elapsed from Completion of Development Studies to Fund Procurement	18
Table 2-9 Perspective of "In Progress or In Use" Studies in the M/P Group	19
Table 2-10 Details of Request of "Delayed" and "Discontinued or Cancelled" Studies of M/P Group	20
Table 2-11 Status of Realization of the F/S Studies Group	21
Table 2-12 Present Status of the F/S Studies Group by Region	22
Table 2-13 Trends in Realization Rates in Asia	23

Table 2-14 Present Status of the F/S Studies Group by Type of Study	24
Table 2-15 Present Status by Sector and Type of Study.....	25
Table 2-16 Present Status by Sector and Region.....	25
Table 2-17 Time Trend of the Realization Rate for Transportation Sector	26
Table 2-18 Details of “Completed or In Progress” Studies of the F/S Group	27
Table 2-19 Type of Subsequent Study	28
Table 2-20 Years Elapsed from Completion of Development Studies to Implementation of Subsequent Study	29
Table 2-21 Details of Fund Procurement	30
Table 2-22 Numbers of Studies Funded by Japanese Assistance by Sector.....	31
Table 2-23 Details of Fund Source.....	31
Table 2-24 Years Elapsed from the Completion of Development Studies to the Realization of Fund Procurement	32
Table 2-25 Perspectives of "Partially Completed" or "Implementing" Studies of F/S Group.....	33
Table 2-26 Years Elapsed After the Completion of Development Studies	34
Table 2-27 Details of Subsequent Studies Conducted (Studies "Under Promotion")	34
Table 2-28 Details of Studies "Under Promotion"	35
Table 2-29 Details of Materialization.....	35
Table 2-30 Years Elapsed from Completion of Development Studies to Determination of the Formal Request/Concrete Actions	36
Table 2-31 Details of Formal Request/Subsequent Actions which are under Preparation.....	37
Table 2-32 Impeding Factors.....	38
Table 2-33 Years Elapsed after Completion of Development Studies	39
Table 2-34 Status of Formal request for the subsequent actions	39
Table 2-35 Factors Causing Studies to be "Delayed or Suspended" and "Discontinued or Cancelled"	40
Table 2-36 Perspective of "Delayed or Suspended" Studies of F/S Studies.....	41
Table 3-1 Time Trend of Number of Development Studies	43
Table 3-2 Number of Development Studies by Region.....	44
Table 3-3 Number of Development Studies by Region and Study Type	45
Table 3-4 Number of Development Studies by Region and Sector.....	46
Table 3-5 Time Trend of the Number of Development Studies by Type of Study	47
Table 3-6 Number of Development Study by Sector and Type of Study.....	49
Table 3-7 Transportation	50
Table 3-8 Social Infrastructure.....	50
Table 3-9 Public Utilities.....	51
Table 3-10 Agriculture	51

Table 3-11 Livestock, Forestry, and Fishery	52
Table 3-12 Industry	52
Table 3-13 Mining.....	53
Table 3-14 Energy	53
Table 3-15 Sum and Average Study Expense by Region and Sub-sector	53
Table 3-16 Utilization Rate by Category of Development Study.....	54
Table 3-17 Utilization Rate by Region.....	55
Table 3-18 Utilization Rate by Study Type.....	56
Table 3-19 Utilization Rate by Sector	57
Table 3-20 Realization Rate by Sector	58
Table 3-21 Realization Rate by Region.....	59
Table 3-22 Realization Rate by Type of Study	60
Table 3-23 Realization Rate by Sector	61
Table 4-1 Realization / Utilization Rate of Development Studies.....	64

SUMMARY

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1. Background and Purpose of the Follow-up Study

1.1 Background of the Follow-up Study

After the completion of development studies, there are some difficulties to monitor the status of proposed projects and how the studies were utilized. The reasons for the difficulties are those; the considerable length of time is often necessary to realize proposed projects after the completion of studies, the various ways in which study findings are used, limitations of accessible information in recipient countries, and so forth.

In order to overcome the above-mentioned difficulties, follow-up studies on development studies were started in Japanese fiscal year (FY) 1984. Since then, several attempts have been made to acquire information from a wide range of sources as follows.

- (1) On-site Follow-up Studies (FY 1987 to 2000)
- (2) Domestic Follow-up Studies (since FY 1988): Conducting surveys through questionnaires to domestic consultants in charge of the development studies.
- (3) Overseas Office Studies (since FY 1991): Conducting surveys on local counterparts in the recipient countries through Japan International Cooperation Agency (JICA) overseas offices to get update information on recent situations after the development studies.
- (4) Overseas Follow-up Studies by foreign consultants (since FY 1994)
- (5) Overseas Follow-up Studies by local in-country consultants (since FY 1995)

Subsequent independence of overseas survey to evaluate the impact of the Development Study and other numerous transition of the follow-up study, this Follow-up Study of Development Study (hereafter, the Status Study) focuses on understanding status of individual study, and trends of the Development Study. This Status Study conducts (2) and (3), mentioned above.

1.2 Purpose of the Follow-up Study

The Status Study has two purposes;

- (1) To monitor the present status of proposed projects and how the results of the completed development studies are utilized, and
- (2) To utilize these findings for more effective implementation of international cooperation activities by systematically analyzing them.

1.3 Methods of Follow-up Study

The Status Study employs following two methods.

(1) Domestic Survey

- To analyze replied questionnaires that were sent to domestic consultants in charge of the project.

(2) Overseas Survey

- To analyze replied questionnaires that were sent to relevant agencies in the recipient countries through JICA overseas offices

As mentioned above, the study solely relies on the questionnaire surveys for information and data and does not verify the answers related to other donor countries, International Agency, or projects conducted by domestic funds. Thus, the results of the study could be to some extent different from the actual and current situations.

Experiences from prior follow-up studies show that any progress in projects is likely to be made within 5 to 10 years after completion of each Development Study. For this reason, the Status Study in FY2008 focused on the current status of projects for which the studies had been completed in FY2004, FY2006, FY22008 and FY1999(10 years ago) under the jurisdiction of the Social Development area, the Agriculture, Forestry and Fisheries area, and the Mining and Industrial development.

1.4 Methods in Compiling the Results

(1) Comparison and analysis of the status of utilization of the completed studies, revealed from the survey findings, are made by using several classifications.

- Types of studies: Master Plan Study (M/P), Feasibility Study (F/S), M/P+F/S, Detailed Design (D/D), Basic Study, Factory Modernization Program in China (Chinese Factory Studies), and others¹.
- Target regions, and
- Target sectors: Social Development area; Agriculture, Forestry and Fisheries Development area; and Mining and Industrial Development area.

(2) Type of studies has been re-classified into groups mentioned below, due to differences in the nature of studies between the Social Development Study and Agriculture, Forestry, and Fishery Development area.

¹ Others are a combination of other studies in Social Development and Agriculture, Forestry and Fisheries Development studies, and other (M/P-type) and other (F/S-type) studies in Mining and Industrial Development studies.

M/P Studies Group	M/P Study, Basic Study, Chinese Factory Modernization Study, Other Study, and Other Study (M/P type)
F/S Studies Group	F/S, M/P+F/S, D/D Study, Other Study (F/S type)

(3) Status of utilization of the study has been classified into classifications mentioned below.

M/P Studies Group

Present Status	Criteria
a. In Progress or In Use	<p>A Study is classified in this category when its findings or proposals are sufficiently utilized in the following manner.</p> <ol style="list-style-type: none"> 1) Based on the proposals, subsequent studies are or have been undertaken. Alternatively, the study findings are utilized to undertake some Development Study or planning. 2) Further Japanese technical cooperation is started on the basis of the proposals or study findings. 3) Proposals are incorporated into the development policy or plan of the recipient country. Alternatively, study findings are utilized to formulate the development policy or plan. 4) The government of the recipient country is taking some preparatory step to utilize the proposals. 5) The government of the recipient country is on the considerations of recommendations just after the completion of the research.
b. Delayed	<p>A study is classified as “delayed” when its findings or proposals are in one of the following conditions.</p> <ol style="list-style-type: none"> 1) No significant action has been taken by the government of the recipient country to utilize the proposals or findings. 2) The government of the recipient country began to act on the proposals, or utilize the findings, but the effort was halted for some reason.
c. Discontinued or Cancelled	<p>A study is classified in this category when its findings or proposals meet one of the following conditions.</p> <ol style="list-style-type: none"> 1) The government of the recipient country made an explicit decision not to act on the proposals. 2) The government decided to act on, or utilize, different proposals or findings from other sources. 3) No actions have been or will be taken “for a considerable period of time.”

F/S Studies Group

Present Status	Criteria
a. Completed or In Progress a1. Completed a2. Partially Completed a3. Under Implementation a4. In Process	<p>The proposed development project has been already completed and is in use.</p> <p>The proposed development project is partially completed and is in use.</p> <p>The implementation of the project is underway.</p> <p>The project concerned is at one of the following stages.</p> <ol style="list-style-type: none"> 1) Tenders have been invited. 2) Financing of the project has been secured. 3) Following the completion of the JICA feasibility study, the detailed design study or some other specific step is being undertaken with bilateral or multilateral financial assistance, including Japan. 4) For other reasons the project concerned is considered highly likely to be implemented in the future.
b. Under Promotion	<p>The project concerned is at one of the following stages.</p> <ol style="list-style-type: none"> 1) The government of the recipient country is requesting financial support from international organizations and/or foreign governments including Japan. 2) The government of the recipient country has been undertaking the detailed design study or other additional studies subsequent to the JICA feasibility study. 3) The recipient country is actively promoting the implementation of the project in some other way.
c. Delayed or Suspended	<p>The project concerned is at one of the following stages.</p> <ol style="list-style-type: none"> 1) The government of the recipient country has not taken any specific action after the completion of the JICA study. 2) The government of the recipient country has at one point promoted the proposed project but suspended the effort for some reason.

* Here the term “secured” is used to mean that either a loan agreement is signed, or a government commitment is confirmed in the form of an official pledge or exchange of notes that has been executed.

(4) The following two indicators are used to describe how the various studies are utilized in the recipient countries.

1) Utilization Rate (%)

Utilization rate means the ratio of number of studies categorized in “In Progress or In Use” status out of total studies. This evaluation metric applies for determining the state of utilization for the M/P studies group; Master Plan Studies (M/P), Basic Studies, Chinese Factory Studies, Other studies, and Other Studies (M/P-type)².

2) Realization Rate (%)

Realization rate means the ratio of number of studies which are categorized in “Completed or In Progress” status out of total studies. This evaluation metric applies for determining the realization of proposed projects for the F/S studies group; this group includes Master Plan and Feasibility Studies

² which were categorized in the M/P studies group.

(M/P + F/S), Feasibility Studies (F/S), Detailed Design Studies (D/D), and Other Studies (F/S-type)³.

Figures in the tables may not show 100% in sum due to the round off of each figure.

- (5) JICA reformed its organizational structure in April 2004 and rearranged the responsibilities of conducting development studies from 3 scheme /Sector-specific department to 5 issue-oriented departments. As a result, the Social Development sector and Agriculture, Forestry and Fisheries sector are on the responsibilities of the Social Development Department, the Human Development Department, the Global Environment Department, the Rural Development Department, and the Grant Aid Department, Development studies in the Mining and Industrial Development sector are conducted by the Economic Development Department. According to the organizational change in April and October 2008, there were mergers of the Social Development Department into Economic Infrastructure Department and Public Policy Department, and the Economic Development Department into Industrial Development Department. The responsible subjects of each new department are as below.

Economic Infrastructure Department:

Urban and Regional Development, Transportation,
Information and Communication Technology (ICT), JICA-Net Program , and others

Public Policy Department:

Law and Justice, Public Safety, Local Administration, Statistics, Fiscal and Financial Sector
Management, Japan Center Program, Gender, Peace Building, and others

Human Development Dept.:

Education, Health, Social Security

Global Environment Dept.:

Nature Conservation, Water Resource Management, Disaster Management,
Environmental Management

Rural Development Dept.:

Agricultural Development, Rural Development, Fisheries Cooperation

Industrial Development Department:

Economic Policy and Private Sector Development, Energy, Mining.

³ which are evaluated according to the rate of realization of the project.

2. Summary of Survey Findings

2.1 All Development Studies

The Status Study covers 2,293 Development Studies conducted from FY 1974 to FY2008 and analyzed the situations after its completion. Especially, this study implemented questionnaire survey focusing on the studies completed in FY2004, FY2006, FY2008 and the studies completed in FY1999 (10 years ago). According to the experiences of previous follow-up studies conducted, 5 years period after the completion are known to be a critical turning point for utilizations or realizations of the proposed projects, which in addition exists a tendency of clear diversification between utilized or realized studies and unutilized or unrealized studies in 10 years time.

In this Status Study, questionnaire survey has been implemented, targeting consultants and relevant agencies in the recipient countries in charge of conducting the study concerned.⁴ Numbers of studies questioned are as follow.

M/P Studies Group: 115 studies (34 studies completed in FY 2008)

F/S Studies Group: 76 studies (9 studies completed in FY 2008)

First of all, by sectors, the majority of the studies are for the Social Development area with 1,199 studies out of 2,293 studies in total (52.3% of all Development Studies). This is followed by studies in the Mining and Industrial Development area (673 studies, 29.4%), and in the Agriculture, Forestry, and Fishery area (421 studies, 18.4%).

By regions, 1,334 studies (58.2%) out of 2,293 studies were conducted in Asia region, followed by Central and South American region with 344 studies (15.0%) , and African region with 269 studies (11.7%). With JICA setting forth a policy to focus on African region, number of the Development Studies to be conducted is expected to increase in African region⁵.

By study types, 1,255 studies (55.8%) out of 2,293 studies are F/S followed by 1038 M/P studies (44.2%).

The M/P Studies Group includes 734 studies in M/P, 127 studies in Basic Study, 117 studies in Chinese Factory Study, and 60 studies in others. The F/S Studies Group includes 803⁴ studies in F/S, 401 studies in M/P+F/S, 42 studies, and 9 studies in others in D/D. The implementation rates in all areas are 35.0% of the total for F/S Study, 32.0% for M/P Study. Thus, these 2 types of studies account for over two-thirds of all the Development Studies conducted. The above said studies are followed by M/P+F/S with 17.5%.

⁴ Rate of return of the questionnaire are; 81 % for domestic consultants and 32% for overseas agencies.

⁵ A scheme called “Development Studies” is to be redefined and renamed “Preparatory Survey” or “Technical Cooperation for Development Planning” after October 2009.

As these figures show, majority of the Development Studies conducted consists from F/S and M/P (and combination of both) studies. However, in recent years, number of F/S studies conducted has been decreasing. Therefore, in the near future, there is a possibility for the cumulative total number of M/P studies to overcome the number of F/S studies to be conducted.

By field, there are 483 studies (account for 21.1% of 2,293 studies in total) in the field of Transportation, 330 in Agriculture (14.4%), 295 in Social Infrastructure (12.9%) , and 276 in Energy (12.0%). The studies in these 4 sectors exceed 60% of studies in total.

Although there are 310 studies in the field of Industry, this figure includes 117 studies of the Chinese Factory Study, implemented in relation to the Japanese foreign policy. Thus, by excluding this study, number of studies in the Industry field will decrease.

Secondly, by briefly looking at the situation of utilization or realization of the development studies, the utilization rate is highest in the Social Development area (80.8%), followed by the Agriculture, Forestry, and Fishery area (75.1%), and the Mining and Industrial Development area (64.5%). Low realization/utilization rate in the Mining and Industrial Development area in comparison to the Social Development or the Agriculture, Forestry, and Fishery area can be affected by relatively large project scale, which requires certain amount of time in procuring funds.

Result of the analysis, dividing all of the Development Studies into M/P type studies or F/S type studies, based on information acquired from the questionnaire will be presented in the next section.

	Number of Studies	Number of Studies In Progress of In Use	Realization / Utilization Rate
Social Development	1,199	969	80.8%
Agriculture, Forestry, and Fishery	421	316	75.1%
Mining and Industrial Development	673	434	64.5%
Total	2,293	1,719	75.0%

2.2 M/P Studies Group

(1) Status of Utilization

Out of 2,293 Development Studies in total, 1,038 studies are classified as M/P Studies Group. Status of each study has been classified based on the criteria mentioned in 1.4 (3).

Within 1,038 studies in M/P Studies Group, 930 studies (89.6%) have shown a positive state of utilization, i.e., they were effectively utilized through the implementation of a project, the formulation of a national development plan, and so forth. Findings also show that M/P Studies are the most frequently utilized studies, followed by Basic Studies.

Type of Studies	Number of Studies	Rate of Utilization
M/P	734 (70.7%)	671 (91.4%)
Basic Studies	127 (12.2%)	116 (91.3%)
Chinese Factories	117 (11.3%)	93 (79.5%)
Others *	60 (5.8%)	50 (83.3%)
Total	1038 (100.0%)	930 (89.6%)

* Others are a combination of Other Studies in Social Development and Agriculture, Forestry and Fisheries Development studies, and Other Studies (M/P-type) in Mining and Industrial Development studies.

(2) Status of Utilization by Region

Clear distinction of utilization rate between regions can not be found. However, sharp fluctuation of utilization rate may be seen for Oceania, Europe, and Multiple Countries in the result of Status Study conducted in other fiscal year, due to small numbers of studies conducted.

Regions	Number of Studies	Rate of Utilization
Asia	586 (56.5%)	528 (90.1%)
Middle East	103 (9.9%)	87 (84.5%)
Africa	142 (13.7%)	126 (88.7%)
Central and South America	157 (15.1%)	142 (90.4%)
Oceania	11 (1.1%)	10 (90.9%)
Europe	31 (3.0%)	29 (93.5%)
Multiple Countries *	8 (0.8%)	8 (100.0%)
Total	1038 (100.0%)	930 (89.6%)

* Studies that cover more than one single country or regions are classified as “Multiple Countries”.

(3) Status of Utilization by Sectors

The utilization rate in the area of Mining and Industrial Development, where it takes longer time for realization, was relatively low as indicated.

Sectors	Number of Studies	Rate of Utilization
Social Development	491 (47.3%)	459 (93.5%)
Agriculture, Forestry and Fisheries Development	161 (15.5%)	154 (95.7%)
Mining and Industrial Development	386 (37.2%)	317 (82.1%)
Total	1038 (100.0%)	930 (89.6%)

(4) Current Status of Studies Categorized as “In Progress or In Use”

The ways in which the studies are classified as “In Progress or In Use” can be summarized as follows.

- 1) Studies are incorporated in national development plans or national policies
- 2) Subsequent studies are conducted and are geared towards implementation
- 3) Funding is secured and implementation is planned for proposed projects

Findings show that many proposed projects that have been realized are those for which the subsequent study has been conducted and secured funding within 5 years after the completion of the main study.

In addition, effective utilization of study findings is likely to depend on consistency with national development plans or the prioritization of the project itself of the recipient country.

(5) Current Status of Studies Categorized as “Delayed or Suspended” or “Discontinued or Cancelled”

Factors attributable to the delay, discontinuance or cancellation of studies can be listed as below.

- 1) Political factors such as lower priority given to studies by the recipient government as well as changes in development policy
- 2) Political factors such as replacement of active Chairpersons toward target projects
- 3) Difficulty in obtaining sufficient foreign funding
- 4) Administrative factors such as organizational alternation of the relevant government agencies, coordination inefficiency among the administrative organizations, and disagreement of both countries on the results of studies for the second stage
- 5) Natural disasters etc.

Elapsed Time after Completion of Development Study	Delayed	Discontinued or Cancelled
Less than 5 years	6 (9.0%)	0 (0.0%)
Between 5 years to 9 years	14 (20.9%)	1 (2.4%)
10 years or more	47 (70.1%)	40 (97.6%)
Total	67 (100.0%)	41 (100.0%)

2.3 F/S Studies Group

(1) Status of Realization

Out of 2,293 Development Studies in total, 1,255 Studies has been classified as F/S Studies Group. Status of each study has been classified based on the criteria mentioned in 1.4 (3).

The 789 studies of the F/S studies group categorized as “In Progress or Completed” have a realization rate of 62.9%. The realization rate of D/D studies scored the highest of all studies.

Type of Studies	Number of Studies	Realization Rate
F/S*	812 (64.7%)	476 (58.6%)
M/P+F/S	401 (32.0%)	280 (69.8%)
D/D	42 (3.3%)	33 (78.6%)
Total	1,255 (100.0%)	789 (62.9%)

* The category F/S includes “Other (F/S-type)” mining and industrial development studies.

(2) Status of Realization by Region

The results show that Asia has the highest realization rate followed by Middle East. Sharp fluctuation of utilization rate may be seen for Oceania, Europe, and Multiple Countries in the result of Status Study conducted in other fiscal year, due to small numbers of studies conducted.

Regions	Number of Studies	Rate of Utilization
Asia	748 (59.6%)	501 (67.0%)
Middle East	143 (11.4%)	93 (65.0%)
Africa	127 (10.1%)	67 (52.8%)
Central and South America	187 (14.9%)	99 (52.9%)
Oceania	18 (1.4%)	8 (44.4%)
Europe	27 (2.2%)	17 (63.0%)
Multiple Countries *	5 (0.4%)	4 (80.0%)
Total	1,255 (100.0%)	789 (62.9%)

(3) Status of Realization by Study Type

There is some variance in the rates of realization for the different sectors. Longer time frame required for project realization under mining and industrial development is considered as the attributable factor for their relatively low rate of realization.

Sectors	Number of Studies	Rate of Utilization
Social Development	708 (56.4%)	510 (72.0%)
Agriculture, Forestry and Fisheries Development	260 (20.7%)	162 (62.3%)
Mining and Industrial Development	287 (22.9%)	117 (40.8%)
Total	1,255 (100.0%)	789 (62.9%)

(4) Status of Studies Categorized as “in Progress” or “Completed” Studies

Most of the studies identified as “Completed”, “Partially Completed” or “Under Implementation” had already secured sufficient funds and had their proposed projects implemented or partially implemented. Focusing on the process towards the realization of the projects, results show that subsequent study such as D/D and E/S in most of these studies had already been completed, with funding secured within five years after the completion of the main study.

The major source of fund came from Japan, in the form of yen loans, grant aid, and so forth. Others include funds from own funds, international agencies, other donors, the private sector, and so forth. The studies “In Process” are those which have secured or procured funding. This is similar to the state of subsequent study or the state of securing funds after the completion of the main study.

Present Status of Studies	Realization Rate
Completed	310 (39.3%)
Partially Completed	225 (28.5%)
Under Implementation	182 (23.1%)
In Process	72 (9.1%)
Total	789 (100.0%)

(5) Status of Studies Categorized as “At the Preparatory Stage”

Studies categorized as “At the Preparatory Stage” can be classified into those concrete plans are identified, those for which requests have been made yet because of under consideration or in preparation, and those for which concrete plans are unidentified or unknown.

There are also studies in which 5 to 10 years have elapsed after requests were made, but are still on hold. Such cases could be categorized as “delayed” unless certain measures are taken in the near future.

Elapsed Time after Completion of Development Study	Rate of Preparatory Stage
Less than 5 years	21 (11.9%)
Between 5 years to 9 years	42 (23.9%)
10 years or more	113 (64.2%)
Total	176 (100.0%)

(6) Status of Studies Categorized as “Delayed or Suspended” and “Discontinued or Cancelled”

87.2% of the studies that are categorized as “Delayed or Suspended” have passed more than 10 years since the completion of main studies.

Findings reveal that the rate of “Discontinued or Cancelled” studies for which the main study had been finished more than 10 years ago reached 100% and was higher in comparison with that of “Delayed or Suspended” studies.

Some of the underlying factors for the “non-realization” of the proposed projects can be summarized as follows:

- 1) Political factors, such as lower priority given to the projects or changes in development policy
- 2) Economic factors, such as difficulty in procuring funds from other countries, tighter financial situations in the recipient countries and overall economic stagnation
- 3) Political factors such as civil wars, political unrests

Elapsed Time after Completion of Development Study	Delayed	Discontinued or Cancelled
Less than 5 years	4 (2.6%)	0 (0.0%)
Between 5 years to 9 years	16 (10.3%)	0 (0.0%)
10 years or more	136 (87.2%)	134 (100.0%)
Total	156 (100.0%)	134 (100.0%)

3. Conclusion

In the results of these studies for the past 7 years, continuous and definite progress can be seen with respect to the utilization of findings after the completion of development studies as well as regarding the adoption of proposed projects. In addition, slight increases in the percentages can be confirmed in recent years (past seven years)

Fiscal Year	Utilization Rate of M/P and Related Studies	Utilization Rate of F/S and Related Studies
2003	87.6%	59.6%
2004	88.2%	59.2%
2005	89.1%	61.0%
2006	89.8%	61.6%
2007	89.3%	62.2%
2008	89.6%	62.8%
2009	89.6%	62.9%

Especially in M/P studies, the increase of utilization of visible findings seems to contribute to the improvement of the rate of utilization of findings and promotion of adoption of proposed projects. As one example, the aggressive development of project activities, as evidenced by the efforts to disseminate the experience and knowledge obtained and accumulated in the original target regions where the experimental studies were conducted to other regions or nationwide, has proved to be very successful. In addition, the number of development studies has recently reduced and, as a result, the projects of higher priority are selected in both Japan and counterpart countries. This also influenced to the above contribution.

On the other hand, in order to maintain the definite results and improve them in the future, the followings need to be fully considered; 1) to commit to the studies which shows little progress with regard to the utilization of study findings and promotion of adoption of proposed projects, and 2) to improve the rate of utilization of study findings and promotion of adoption of new projects. Regarding the M/P study, careful examination is a must based on the current status of target projects. However, the review of the projects, which were not materialized and long left and the reexamination of the proposed projects, which are possible to be implemented, through the study for next stage correspondent to the current situation is one of the measures to improve the rate of utilization. As to F/S study, it is necessary to select the ones which are less likely to be materialized though a certain period passed after the completion of the studies for analyzing the hindering factors for promotion of the proposed projects and examining the measures for its promotion. Also, it is valuable to discuss on the concrete measures such as complement studies necessary for the promotion of proposed projects for the possible studies.

In addition, “to improve the rate of utilization and promotion of proposed projects” needs to be paid special attention from the perspective of ulterior implementation.

The approach and support to eliminate the hindering factors for project implementation including the consistency between the national development plan and the consideration for economic, social and environment, the study planning aiming at promoting the cooperation with other schemes and international organizations, and the fund-raising necessary for the realization of proposed projects, need to be continuously addressed.

CHAPTER 1

OUTLINE OF THE STUDY

CHAPTER 1. Outline of the Study

1-1. Background and Purpose of the Follow-up Study

1-1-1. Background of the Follow-up Study

After the completion of the development studies conducted by the Japan International Cooperation Agency (JICA), there were difficulties in monitoring the status of proposed projects and how the studies were utilized. The reasons for the difficulties are those; the considerable length of time is often required to realize proposed projects after the completion of studies, the various ways in which study findings are used, limitations of accessible information in recipient countries, and so forth.

In order to overcome the above-mentioned difficulties, follow-up studies on development studies were started in Japanese fiscal year (FY) 1984. On-site follow-up studies were started in FY 1987 to acquire a wide range of information from the project sites. Domestic follow-up studies, questionnaire surveys on domestic consultants in charge of projects, were also started in FY 1988. The scope of follow-up studies has been extended to the Agriculture, Forestry and Fisheries sector since FY 1989. In addition, studies of counterpart agencies (JICA Overseas Office Studies) have been conducted through the study teams of JICA overseas offices and cooperating Japanese volunteer coordinators offices since FY 1991. Studies by consultants of developed countries since FY 1994 and studies by local in-country consultants since FY 1995 (Overseas Follow-up Studies) have been conducted. Since there has been increased interests in evaluation of development studies recently, on-site studies had been conducted to evaluate the impact of development studies and compiled as “Evaluation Survey Report: Follow-up Studies” since FY 1998. Furthermore, as more detailed evaluation of studies have been conducted independently since FY 2001, this Follow-up Study on Development Study (hereafter the Status Study) has focused in understanding the current status of each project and analyses of overall tendencies.

The Social Development Department of JICA conducts the follow-up studies in the Social Development sector and Agriculture, Forestry and Fisheries Development sector, while the Economic Development Department of JICA conducts the studies in the Mining and Industrial Development sector up to the FY 2003. However, in order to strengthen correspondence to cross-sectoral development issues, JICA has achieved organizational reform in April 2004, by reorganizing existing 8 sector /scheme based Departments in charge of the Development Study, including above mentioned 3 departments, into 5 issue-based departments. With development study changing its department in charge of implementation, the Status Survey has been conducted by the Social Development Department and the Economic Development Department. The Social Development Department is in charge of conducting the Status Survey for development studies in the field of Social Development and Agriculture, Forestry, and Fishery, administered by the Overseas Office, the Human Development Department, the Global Environment Department, the Grant Aid Management Department, and the Rural Development Department. The Economic Development Department is in charge of conducting the Status Survey implemented by overseas development studies. Each issue administrated by each

new department are below.

Social Development Dept.:

Governance, Gender, Urban and Regional Development, Transportation,
Information and Communication Technology (ICT), and others (such as Peace Building)

Human Development Dept.:

Education, Health, Social Security

Global Environment Dept.:

Nature Conservation, Environmental Management, Water Resources

Rural Development Dept.:

Poverty Reduction, Agricultural Development, Fisheries Cooperation

Economic Development Dept.:

Economic Policy and Private Sector Development, Energy, Mining

1-1-2. Purpose of Follow-up Study

The follow-up study has two purposes;

- (1) To monitor the present status of proposed projects and how the results of the completed development studies are utilized, and
- (2) To utilize these findings for more effective implementation of international cooperation activities by systematically analyzing them.

1-2. Methodology of the Follow-up Study

1-2-1. Coverage

The follow-up study covers studies implemented by the technical cooperation project budget under the jurisdiction of the former Social Development Study Department and the former Agriculture, Forestry and Fisheries Development Study Department (currently called the Social Development Department, the Human Development Department, the Global Environment Department, and the Rural Development Department) the Economic Development Department, the Grant Aid Management Department, overseas offices, and those implemented under the overseas development plan study budget, under the jurisdiction of the former Mining and Industrial Development Study Department (currently called the Economic Development Department).

The status study FY 2005 covers studies completed between August 1, 1974 (the day on which JICA was established) to the end of FY 2008 (March 31, 2009). A total of 2,293 studies have conformed to these criteria (1,199 in Social Development area, 421 in Agriculture, Forestry and Fisheries Development area, and 673 in Mining and Industrial Development area).

Table 1-1 Time Trend of Number of Development Studies

Completion Year	Social Development	Agriculture, Forestry and Fisheries Development	Mining and Industrial Development	Total	Completion Year	Social Development	Agriculture, Forestry and Fisheries Development	Mining and Industrial Development	Total
1974	1	0	1	2	1992	40	17	20	77
1975	5	0	9	14	1993	41	12	25	78
1976	9	4	9	22	1994	42	22	28	92
1977	20	7	15	42	1995	44	17	28	89
1978	25	7	12	44	1996	46	14	25	85
1979	24	12	17	53	1997	35	26	32	93
1980	30	8	20	58	1998	47	15	22	84
1981	27	9	22	58	1999	58	10	29	97
1982	34	18	20	72	2000	45	13	21	79
1983	32	13	21	66	2001	53	12	17	82
1984	39	15	23	77	2002	47	18	16	81
1985	39	11	26	76	2003	35	7	17	59
1986	28	11	23	62	2004	32	4	6	42
1987	43	11	23	77	2005	39	10	11	60
1988	30	19	29	78	2006	28	9	13	50
1989	45	23	16	84	2007	32	4	10	46
1990	36	23	23	82	2008	37	6	17	60
1991	31	14	27	72	Total	1,199 (52.3%)	421 (18.4%)	673 (29.4%)	2,293 (100.0%)

As for the results of previous follow-up studies, it is observed that some actions would be taken where the results deems viable within 5 to 10 years after the implementation of a development study. Therefore, since FY 1999, this status study had focused on development studies completed during the last 10 years in order to understand the status of studies. From these follow-up studies, it is identified that the actions must be taken within 5 years after the completion of the studies.

In FY2009, questionnaires surveys were conducted for all the development studies completed in the period of recent 6 years (FY2004, 2006 and 2008) and in 1999 (10 years ago), to counterparts through JICA overseas offices as well as to domestic consultants in charge of the project.

1-2-2. Year of Completion

Completion year of a study is determined as the fiscal year when final report was submitted to JICA.

1-2-3. Classification of Country and Region

The classification of country and region in development studies are defined by JICA. Studies that cover several countries or regions are classified as “multiple countries.”

- (1) ASEAN (Brunei, Cambodia, Indonesia, Lao’s PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Viet Nam)
- (2) East Asia (China, South Korea, and Mongolia)
- (3) South West Asia (Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka)
- (4) Central Asia (Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyz, Tajikistan, Turkmenistan, and Uzbekistan¹)

¹ “Central Asia” had been regarded as a part of “Europe” until FY 2000

- (5) Other Asia (East Timor)
- (6) Middle East (Including Northern Africa: Algeria, Egypt, Libya, Morocco, Sudan, and Tunisia)
- (7) Africa (Excluding Northern Africa)
- (8) Central and South America
- (9) Oceania (countries classified as “Pacific” for Mining and Industry sector)
- (10) Europe
- (11) Multiple Countries (Studies covering more than one single country)

Comparatively, few number of studies were conducted in “East Asia”, “South West Asia”, “Central Asia”, and “Other Asia” than “ASEAN” countries when excluding 117 projects on Modernization of Chinese Factories. Therefore, for the purpose of analyses, this study categorized Asian countries as described below.

Table 1-2 Classification of Countries and Regions

(1) Asia	1) ASEAN	Brunei, Cambodia, Indonesia, Lao's PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Viet Nam
	2) Asian Others	Northeast Asia, South West Asia, Central Asia, and Other Asia
(2) Middle East		Including Northern Africa: Algeria, Egypt, Libya, Morocco, Sudan, and Tunisia
(3) Africa		Excluding Northern Africa
(4) Central and South America		
(5) Oceania		countries classified as “Pacific” for Mining and Industry sector
(6) Europe		
(7) Multiple Countries		Studies covering more than one single country

1-2-4. Classification of Development Study by Study Type

Development Studies are classified by study type as shown in Table 1-3.

Table 1-3 Type of Development Study

1. M/P (Including M/P studies and pre- F/S studies)
2. M/P+F/S (Studies which conducts M/P and F/S together as one study)
3. F/S
4. D/D
5. Basic Studies (Including Long-term surveys and studies to provide basic data, such as topological maps, nautical charts or to conduct groundwater development surveys etc.)*)
6. Chinese Factories (Studies on the Factories Modernization Program in China)
7. ASEAN Plant Renovation Studies (Studies on Plant Renovation in ASEAN Countries)
8. Others (Studies for Aftercare Services, etc.)
9. Other M/P type studies
10. Other F/S type studies

Note: *Resource studies in the mining and industry sector are classified as basic studies.
 *"Others" are the studies of Social Development field and "Other M/P" and "Other F/S" are the studies of Mining Industry field.

Each type of Development Study is defined as follows:

1) M/P (Master Plan Studies)

A master plan study is carried out to determine a basic development strategy in general by formulating long-term plans for national, regional or sectoral development with specific target and target year. The formulation of a master plan is the first stage of a development study where the coordination of many projects is essential for efficient implementation. The following feasibility studies are sometimes implemented on a project prioritized by a master plan.

2) M/P + F/S (Master Plan Studies + Feasibility Studies)

The studies that the both master plan study and the feasibility study described below are implemented together in a study.

3) F/S (Feasibility Studies)

A feasibility study is a study that is undertaken to examine the feasibility, appropriateness, investment effects, etc. of a particular development project. In general, it is used to determine systematically and objectively that whether the proposed project is socially, technically, economically and financially feasible or not, while incorporating other important considerations such as operation and maintenance, organizations and institutional arrangements, and environments. A feasibility study report serves as an important reference for concerned government agencies and officials in policy decision makings as to whether or not the country should proceed to implement the given proposed project(s). It also provides necessary documents for screenings of the bilateral aid agencies and international agencies appropriateness of giving loans to a proposed project.

4) D/D (Detailed Design Studies)

A detailed design study is for preparing design documents (including drawings, specifications, and tender documents) necessary to begin construction works of an approved project. In comparison to M/P studies or F/S studies, considerable time is generally required for the study during this phase, since all detailed investigations related to design of the project must be covered such as detailed design, cost estimation and construction schedules.

This type of study is followed by the selection of the contractor(s) through competitive biddings to inaugurate actual construction. Detailed design study is indispensable to implement the project properly and it plays a significant role in providing smooth access to financial assistance as well.

5) Basic Studies (Long-term Studies, Topographical Studies, Groundwater Development Studies, Forestry and Fishery Resources Studies, Agricultural Verification Studies, etc.)

a) Long-term Studies

Formulation of basin-wide flood control and water use plans, comprehensive water resources development plans, and examination of alternative measures for environmental protection such as countermeasures against air and water pollution often require long-term and continuous accumulation of relevant basic data. However, it is rare in developing countries to continuously collect such data, and the lack of the data may become a major impeding factor against the implementation of development plans.

In this type of study, experts are sent to stay for an extended period in the recipient country, where they collect, record, compile and analyze relevant basic data through long-term observation.

b) Topographical Studies

The presence of basic maps of national land and cities is often a necessary precondition for planning and implementing development projects. In many regions of developing countries, however, topographical drawings of national territories and cities do not exist, or even though they exist, they are from the colonial era and too old, or inappropriate for a practical use due to the lack of standardized methods of drawing and filling in the information presented. This situation leads to difficulties in formulating and implementing development projects as well as in coping with urbanization problems that are becoming increasingly serious. The Topographical Studies respond to the need for basic maps and to be utilized for making and preparing topographical map as basic data and information for development.

c) Groundwater Development Studies

These studies investigate to secure groundwater resources and their development, aiming to secure the drinking water supply to the general population in developing countries. It is an urgent task to secure drinking water in such places as dry lands where severe droughts hit frequently or regions where the quality of water is not suitable for drinking. Also, some regions face such problems of drinking water becoming unsuitable for drinking or dried up due to over-consumption. Thus, groundwater development is urgently needed in order to improve the lives of the residents in those regions.

d) Forestry and Fishery Resources Studies

These studies aim to collect basic data on the distribution of forestry and fishery resources, and contribute to makings various policies related with comprehensive protection of the forest and stable supply of the animal proteins.

e) Pilot Studies

Aiming at the smooth realization of projects after the study, the pilot study has been promoted in the development study. Since FY 2000, this is empirically promoted on trial bases with voluntary participation of local officials and local people.

f) Resource Studies

This is a type of pre-feasibility study usually conducted to assess mineral and other natural resources deposits in the expected project areas to review the possibility of development.

6) Studies on Plant Renovation in ASEAN Countries

A series of studies concerning plant renovation has been initiated as a result of the Prime Minister Nakasone's announcement of international cooperation during his tour of ASEAN countries in May 1983.

7) Studies on the Factories Modernization Program in China

These studies have been conducted since May 1981 with the aim at researching modernization procedures in existing Chinese factories. The studies resulted from a proposal made by the Chinese National Economic Commission (currently the Chinese National Economic and Trade Commission) to the Ministry of International Trade and Industry (currently the Ministry of Economy, Trade and Industry) during the "Japan-China High Level Administrative Meeting".

8) Other Studies

The studies that are the recipient countries requested for reviewing due to changes of its social or natural conditions along with time courses after study completion. Or, the studies that are aiming at original utilization such as; basic data collection and development for national land development and formulation of development policy, policies for preparing guideline manuals, consideration and recommendation of software side, and promotion of project realization.

9) Other Studies (M/P-type)

In the study area of mining and industrial developments, several studies are not included in the categories above. These studies are divided into two types depends on the nature and contents of each study. One of them which are M/P-type is called "Other studies (M/P-type)".

10) Other Studies (F/S-type)

As the same to "Other studies (M/P-type)", this type of study is defined as the studies that are not included in the categories 1) to 8) above. Regarding the nature and contents of the studies, several studies which are F/S-type are called "Other studies (F/S-type)".

1-2-5. Framework for the Analyses

The categorization of follow-up studies for 1) the Social Development area, 2) Agriculture,

Forestry and Fisheries Development area, and 3) Mining and Industrial Development area are not completely the same due to the differences in characteristics of studies. Thus, in order to conduct an overall analysis in Chapter 2, types of development study are classified as shown in Table 1-4. Detailed analyses in Chapter 3 are conducted based on respective study categories.

Table 1-4 Category of Development Studies

M/P Studies Group	Social Development, Agriculture, Forestry and Fisheries Development	M/P, Basic Studies, Others
	Mining and Industrial Development	M/P, Studies on Factories Modernization Program in China, Resources Studies, Other M/P-type studies
F/S Studies Group	Social Development, Agriculture, Forestry and Fisheries Development	M/P+F/S, F/S, D/D
	Mining and Industrial Development	F/S, ASEAN Plant Renovation Studies, Other F/S-type studies

1-2-6. Classification of Sectors

Social Development Sector includes projects conducted by the Social Development Department, the Human Development Department, the Global Environment Department, and the Grant Aid Management Department. Agriculture, Forestry and Fisheries Development Sector includes projects conducted by Rural Development Department. Mining and Industrial Sector includes projects conducted by Economic Development Department. To tell more details, completed studies are classified into sectors, sub-sectors, and sub-sub-sectors according to the JICA System Code Table (October 2000), as shown in Table 1-5 on the following page.

Table 1-5 Sector of Studies

Sector	Subsector	Sub-subsector
1. Planning & Administration	(1) Development Plan	1) (Development Plan in) General
		2) Integrated Regional Development Plan
	(2) Administration	1) (Administration in) General
		2) Public Finance & Banking
		3) Environmental Problems
		4) Statistics
2. Public Works & Utilities	(1) Public Utilities	5) Information & Public Relations
		1) (Public Utilities in) General
		2) Water Supply
		3) Sewerage
	(2) Transportation	4) Urban Sanitation
		1) (Transportation in) General
		2) Road
		3) Land Transportation
		4) Railway
		5) Marine Transportation & Ships
		6) Port
		7) Air Transportation & Airport
		8) Urban Transportation
	(3) Social Infrastructure	9) Meteorology & Seismology
		1) (Social Infrastructure in) General
		2) River & Erosion Control
		3) Water Resources Development
		4) Urban Planning & Land Development
		5) Architecture & Housing
	(4) Communications & Broadcasting	6) Survey & Mapping
		1) (Comms. & Broad. in) General
		2) Post
		3) Telecommunication
		4) Broadcasting
3. Agriculture, Forestry & Fishery	(1) Agriculture	1) (Agriculture in) General
		2) Sericulture
		3) Agricultural Engineering
		4) Agricultural Machinery
		5) Agricultural Processing
		6) Increase of Food Production
	(2) Livestock	1) Livestock
		2) Animal Hygiene
	(3) Forestry	3) Livestock Processing
		1) Forestry & Forest Conservation
	(4) Fishery	2) Forestry Processing
		1) Fishery
4. Mining & Industry	(2) Industry	2) Fishery Processing
		1) Mining
		1) (Industry in) General
		2) Chemicals
		3) Steel & Nonferrous Metals
		4) Machine Industry
		5) Textile Industry
		6) Pulpwood Products
		7) Food Industry
		8) Other Industries
5. Energy	(1) Energy	1) (Energy in) General
		2) Electric Power
		3) Gas & Oil
		4) New & Recycled Energy
		5) Other Energies
6. Commerce & Tourism	(1) Commerce & Trade	1) Business Management
		2) Trade
	(2) Tourism	1) (Tourism in) General
		2) Tourism Infrastructure
7. Human Resources Development	(1) Human Resources Development	1) (Human Resources in) General
		2) Physical Education
		3) Education
		4) Vocational Training
	(2) Science & Culture	1) Science
		2) Culture
8. Public Health and Medicine	(1) Public Health and Medicine	1) Public Health and Medicine
		2) Population & Family Planning
9. Social Welfare	(1) Social Welfare	1) Social Welfare
		2) Labor
		3) Disaster Relief
		4) Food Assistance
		5) Other Welfare
10. Others	(1) Others	1) Others

1-3. Criteria to Classify Utilization Status of Development Study

Studies are classified into two groups, each according to its own clearly defined evaluation criteria in order to ascertain the progress of projects and utilization of study findings accurately.

1-3-1. M/P Studies Group

Master Plan Studies (M/P), Basic Studies (B/S), Studies on Factory Modernization Program in China, Other Studies, and Other Studies (M/P-type) are classified as being in the M/P studies group. Information is sought on whether or not study findings have been adopted or utilized. The present status is classified as being in one of three categories: 1) In Progress or In Use, 2) Delayed, and 3) Discontinued or Cancelled.

The criteria in determining the present status of studies in the M/P studies group are shown in Table 1-6.

Table 1-6 Status for M/P Studies Group

Present Status	Criteria
a. In Progress or In Use	<p>A Study is classified in this category when its findings or proposals are sufficiently utilized in the following manner.</p> <ol style="list-style-type: none"> 1) Based on the proposals, subsequent studies are or have been undertaken. Alternatively, the study findings are utilized to undertake some Development Study or planning. 2) Further Japanese technical cooperation is started on the basis of the proposals or study findings. 3) Proposals are incorporated into the development policy or plan of the recipient country. Alternatively, study findings are utilized to formulate the development policy or plan. 4) The government of the recipient country is taking some preparatory step to utilize the proposals. 5) The government of the recipient country is on the considerations of recommendations just after the completion of the research.
b. Delayed	<p>A study is classified as “delayed” when its findings or proposals are in one of the following conditions.</p> <ol style="list-style-type: none"> 1) No significant action has been taken by the government of the recipient country to utilize the proposals or findings. 2) The government of the recipient country began to act on the proposals, or utilize the findings, but the effort was halted for some reason.
c. Discontinued or Cancelled	<p>A study is classified in this category when its findings or proposals meet one of the following conditions.</p> <ol style="list-style-type: none"> 1) The government of the recipient country made an explicit decision not to act on the proposals. 2) The government decided to act on, or utilize, different proposals or findings from other sources. 3) No actions have been or will be taken “for a considerable period of time.”

* As there is no category in the social and agricultural sector that corresponds to the classification “unknown” in the mining and industry sector, the sector covering social, agricultural, mining and industry categorizes these as “discontinued or cancelled.”

1-3-2. F/S Studies Group

The F/S studies group consists of Feasibility Studies (F/S), Master Plan + Feasibility Studies (M/P + F/S), Detailed Design Studies (D/D) and Other Studies (F/S-type). Information is sought on whether or not the projects or programs they appraised or proposed have been implemented. The present status is classified as being in one of the four following categories: a) Completed or in Progress, b) Under Promotion, c) Delayed or Suspended, and d) Discontinued or Cancelled. The “Completed or in Progress” category is further divided into four sub-categories: a1) Completed, a2) Partially Completed, a3) Under Implementation, and a4) In Process.

The criteria for classification of the F/S studies group are shown in Table 1-7.

Table 1-7 Status for F/S Studies Group

Present Status	Criteria
a. Completed or In Progress a1. Completed a2. Partially Completed a3. Under Implementation a4. In Process	<p>The proposed development project has been already completed and is in use.</p> <p>The proposed development project is partially completed and is in use.</p> <p>The implementation of the project is underway.</p> <p>The project concerned is at one of the following stages.</p> <ol style="list-style-type: none"> 1) Tenders have been invited. 2) Financing of the project has been secured. 3) Following the completion of the JICA feasibility study, the detailed design study or some other specific step is being undertaken with bilateral or multilateral financial assistance, including Japan. 4) For other reasons the project concerned is considered highly likely to be implemented in the future.
b. Under Promotion	<p>The project concerned is at one of the following stages.</p> <ol style="list-style-type: none"> 1) The government of the recipient country is requesting financial support from international organizations and/or foreign governments including Japan. 2) The government of the recipient country has been undertaking the detailed design study or other additional studies subsequent to the JICA feasibility study. 3) The recipient country is actively promoting the implementation of the project in some other way.
c. Delayed or Suspended	<p>The project concerned is at one of the following stages.</p> <ol style="list-style-type: none"> 1) The government of the recipient country has not taken any specific action after the completion of the JICA study. 2) The government of the recipient country has at one point promoted the proposed project but suspended the effort for some reason.
d. Discontinued or Cancelled	<p>The project concerned is at one of the following stages.</p> <ol style="list-style-type: none"> 1) The government of the recipient country officially cancelled the proposed project. 2) The government of the recipient country implemented an alternative, which was substantially different from the proposal of the JICA Study. 3) No actions have been or will be taken “for a considerable period of time.”

* Here the term “secured” is used to mean that either a loan agreement is signed, or a government commitment is confirmed in the form of an official pledge or exchange of notes that has been executed.

1-4. Collection of Related Information

Related basic information is collected from the documents and the reports from JICA headquarters and Institute for International Cooperation.

JICA Overseas Office Survey collects related information through JICA overseas offices by means of replies to questionnaires distributed to counterparts in recipient countries.

By the Domestic Questionnaire Survey, related information is collected by means of replies to questionnaires distributed to the consulting firms in charge of development studies.

Refer to the attached data for the part of the questionnaire form used in both overseas and domestic survey.

1-5. Consolidation of Study Findings

The study findings are published in the reports, "Follow-up Study of Development Studies", in Japanese and in English, and in "Individual Summary Sheet".

Each report is compiled based on information from JICA Overseas Office Studies, Domestic Questionnaire Surveys. In this report, information is analyzed based on type of studies, sectors, regions and countries in order to understand the current utilization of completed development studies. In addition, the report provides a grasp of issues including whether or not M/P studies were used in subsequent feasibility studies, as well as for the technical cooperation and national plans.

CHAPTER 2

AN OVERVIEW OF DEVELOPMENT STUDIES

(Social Development & Agriculture, Forestry and Fishery Development Area:
Studies Completed in FY1999, FY2004, FY2006, FY2008)

CHAPTER 2 An Overview of Development Studies

(Social Development & Agriculture, Forestry and Fishery Development area: studies completed in FY 2004, FY2006, FY 2008 and in FY1999)

This Status Study covers 2,293 development studies completed from FY 1974 to FY2008, in the Social Development, the Agriculture, Forestry and Fishery Development, and the Mining and Industrial Development areas. (refer to the table 1-1 in Chapter 1)

This chapter will focus on the development studies in the Social Development area and the Agriculture, Forestry and Fishery Development areas. Out of these 1,620 studies, the present status of 36 studies which were completed in FY2004 37 studies which were completed in FY2006, 43 studies which were completed in FY2008, and 68 studies which were completed 10 years ago (FY1999) are analyzed. The analysis is based on the criteria introduced in Chapter 1.

2.1 Status of Completed Studies in the M/P Studies Group

Regarding the M/P studies group, 27 studies were completed in FY2004, 21 studies were completed in FY2006, 34 studies were completed in FY2008. Out of these studies, the utilization rate which are classified as “In Progress or In Use” are 93.1% (FY2004), 90.5% (FY2006), and 100%(FY2008). Regarding the studies completed in 1999, 23 out of 24 (95.8%) are classified as “In Progress or In Use”.

This shows that the findings of the development study have been utilized effectively.

Table 2-1 Present Status of the M/P Studies Group by Study Completion Year

Completion Year	In Progress or In Use	Delayed or Suspended	Discontinued or Cancelled	Total
1999	23 (95.8%)	1 (4.2%)	0 (0.0%)	24 (100.0%)
2004	27 (93.1%)	2 (6.9%)	0 (0.0%)	29 (100.0%)
2006	19 (90.5%)	2 (9.5%)	0 (0.0%)	21 (100.0%)
2008	34 (100.0%)	0 (0.0%)	0 (0.0%)	34 (100.0%)
Total (exc. 1999)	80 (95.2%)	4 (4.8%)	0 (0.0%)	84 (100.0%)
Total	103 (95.4%)	5 (4.6%)	0 (0.0%)	108 (100.0%)

2.1.1 Status of Studies by Region

The utilization rate here is analyzed by region, except for the Oceanic and the European region where only a few development studies have been conducted.

In Asia, where the largest number of studies has been conducted, 43 out of 46 studies are classified as “In Progress or In Use” with the utilization rate of 93.5%.

In Africa, region with the second largest number of studies conducted (25 out of 25 studies) show utilization rate of 100%, much higher than the average utilization rate.

In general, regarding the average utilization rate of 95.4%, it could be concluded that the development studies have been utilized effectively regardless of regions.

Table 2-2 Utilization Status of the M/P Studies Group by Region

Present Status	Asia			Middle East	Africa
	ASEAN	Other Asia	Sub-total		
In Progress or In Use	29 (93.5%)	14 (93.3%)	43 (93.5%)	15 (88.2%)	25 (100.0%)
Delayed or Suspended	2 (6.5%)	1 (6.7%)	3 (6.5%)	2 (11.8%)	0 (0.0%)
Discontinued or Cancelled	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Total	31 (100.0%)	15 (100.0%)	46 (100.0%)	17 (100.0%)	25 (100.0%)

Present Status	Central & South America	Oceania	Europe	Multiple Countries	Total
In Progress or In Use	13 (100.0%)	0 (-)	7 (100.0%)	0 (-)	103 (95.4%)
Delayed or Suspended	0 (0.0%)	0 (-)	0 (0.0%)	0 (-)	5 (4.6%)
Discontinued or Cancelled	0 (0.0%)	0 (-)	0 (0.0%)	0 (-)	0 (0.0%)
Total	13 (100.0%)	0 (-)	7 (100.0%)	0 (-)	108 (100.0%)

2.1.2 Status of the M/P Studies Group by Study Type

Analyzing utilization rates by study type, we see that 90 out of 95 M/P studies are classified as “In Progress or In Use” (utilization rate 94.7%). Utilization rates are 100% for basic studies. It can be concluded that the outputs of all types of studies have been utilized effectively.

Table 2-3 Utilization Status of the M/P Studies Group by Type of Study

Present Status	M/P	Basic Study	Others	Total
In Progress or In Use	90 (94.7%)	13 (100.0%)	0 (-)	103 (95.4%)
Delayed or Suspended	5 (5.3%)	0 (0.0%)	0 (-)	5 (4.6%)
Discontinued or Cancelled	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)
Total	95 (100.0%)	13 (100.0%)	0 (-)	108 (100.0%)

2.1.3 Status of the M/P Studies Group by Area and Sector

Out of total 108 development studies, there are 91 studies in the Social Development area and 17 in the Agriculture, Forestry and Fishery Development area. The utilization rate for the Social Development area is 94.5% (86 studies), whereas 100% (17 studies) for the Agriculture, Forestry and Fishery Development area. Both rates are quite high

Table 2-4 Utilization Status of the M/P Studies Group by Area

Present Status	Social Development			
	M/P	Basic Study	Others	Sub-total
In Progress or In Use	76 (93.8%)	10 (100.0%)	0 (-)	86 (94.5%)
Delayed or Suspended	5 (6.2%)	0 (0.0%)	0 (-)	5 (5.5%)
Discontinued or Cancelled	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)
Total	81 (100.0%)	10 (100.0%)	0 (-)	91 (100.0%)

Present Status	Agriculture Forestry & Fishery			
	M/P	Basic Study	Others	Sub-total
In Progress or In Use	14 (100.0%)	3 (100.0%)	0 (-)	17 (100.0%)
Delayed or Suspended	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)
Discontinued or Cancelled	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)
Total	14 (100.0%)	3 (100.0%)	0 (-)	17 (100.0%)

2.1.4 Status of Studies “In Progress or In Use”

2.1.4.1 Details of Studies “In Progress or In Use”

As mentioned above (Table 2-3), 103 out of 108 studies in the M/P studies group are classified as “In Progress or In Use.” Table 2-5 shows the details of these 187 studies.

Regarding the contents of 102 studies classified as “In Progress or In Use” (multiple answer), there are 51 studies in which the recommended project are realized and have already been funded (49.5% of the total).

There are 34 studies (33.0% of the total), which has implemented a subsequent studies of the proposal and 43 studies (41.2%) has acquired Japanese Technical Cooperation. In addition, according to the replied questionnaires, some studies has implemented subsequent studies, utilizing output of the study and techniques acquired, and has additionally procured funding and realized Japanese Technical Cooperation. The numbers of studies with the National Development Policy/Plans are 21 (20.4%). As a whole, the utilization rate is not necessarily high, but study results were utilized for policy planning in the counterpart countries is some cases. In addition, Basic Studies which consists of small number of studies, show the higher rate of utilization in comparison

with the M/P studies such as the studies which were utilized for National Development Policy/Plans (30.8%) and ones which were utilized in other forms (61.5%). In Basic studies, which include the study for map formulation etc., technical transfer, capacity development and outputs are utilized as important know-how and soft components in many cases through the process of study implementation in counterpart countries.

Table 2-5 Details of "In Progress or In Use" Studies in the M/P Group

Details	M/P	Basic Studies	Others	Total
Subsequent Studies	30 (33.3%)	4 (30.8%)	0 (-)	34 (33.0%)
Fund Procurement	44 (48.9%)	7 (53.8%)	0 (-)	51 (49.5%)
Japan's Technical Cooperation	37 (41.1%)	6 (46.2%)	0 (-)	43 (41.7%)
National Development Policy/Plans	17 (18.9%)	4 (30.8%)	0 (-)	21 (20.4%)
Others	18 (20.0%)	8 (61.5%)	0 (-)	26 (25.2%)
Number of Studies	90 (100.0%)	13 (100.0%)	0 (-)	103 (100.0%)

*Multiple categories may apply to some items.

2.1.4.2 Implementation of Subsequent Studies

Out of 103 "In Progress or In Use" studies, 34 studies have been followed by subsequent studies after their completion. By looking at the types of the Development study, subsequent studies has been conducted in 30 out of 90 M/P studies (33.3%). On the other hand, numbers of Studies with subsequent studies being conducted are 4 out of 13 (Table 2-5 shows the details).

Table 2-6 shows elapsed time in conducting subsequent study. The table shows that the subsequent study has been conducted within 3 years for 27 development studies after the completion (79.4%).

In this year's follow-up study, elapsed time in conducting subsequent study has not been identified for 5 Studies, which accounts for 16.7% of the total study. This is due to the number of subsequent studies conducted by other donor countries and international agencies, which detailed information was unavailable.

Table 2-6 Time elapsed in conducting subsequent study

Elapsed Years	Total
Less than 1 Year	5 (13.5%)
1 Year	7 (18.9%)
2 Years	11 (29.7%)
3 Years	4 (10.8%)
4 Years	1 (2.7%)
5 Years	1 (2.7%)
6 Years	0 (0.0%)
Unknown	5 (21.6%)
Total	34 (100.0%)

2.1.4.3 Procurement of Funds

Details of fund procurement of 51 studies are shown in 2-7. There is no large difference between M/P studies and Basic studies with regard to the rate of realization of fund procurement.

Table 2-7 Details of Fund Procurement

Funding Source	M/P	Basic Study	Others	Total
Japan's ODA Loan	4 (9.1%)	0 (0.0%)	0 (-)	4 (7.8%)
Japan's Grant Aid	7 (15.9%)	1 (14.3%)	0 (-)	8 (15.7%)
International Organizations	7 (15.9%)	0 (0.0%)	0 (-)	7 (13.7%)
Other Donor Countries	4 (9.1%)	0 (0.0%)	0 (-)	4 (7.8%)
Own Fund	26 (59.1%)	6 (85.7%)	0 (-)	32 (62.7%)
Private Fund	2 (4.5%)	0 (0.0%)	0 (-)	2 (3.9%)
Others	9 (20.5%)	1 (14.3%)	0 (-)	10 (19.6%)
Unknown	9 (20.5%)	0 (0.0%)	0 (-)	9 (17.6%)
Number of Studies that lead to raise fund(s) for the proposed project(s)	44 (48.9%)	7 (53.8%)	0 (-)	51 (49.5%)
Total Number of Studies	90	13	0	103

*Total of each figures in funding source are not equal to the number of studies that lead to raise fund(s) because of multiple choices.

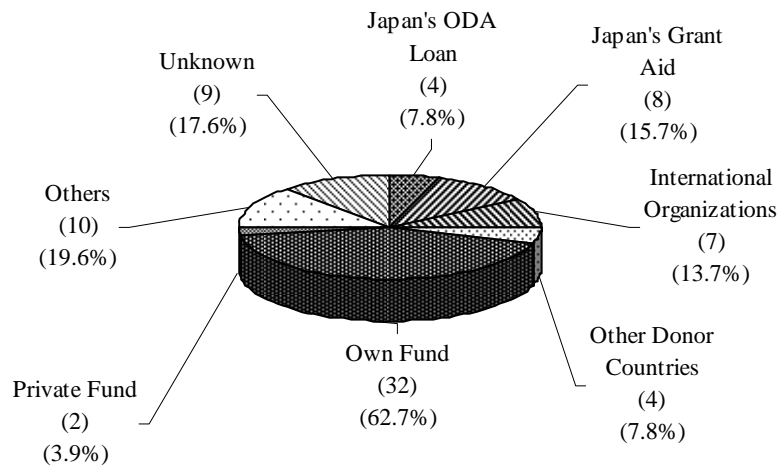


Figure 2-1 Details of Fund Procurement

Out of 103 “In Progress or In Use” studies including M/P studies, nearly half were realized fund procurement (51, 49.5%). The numbers of cases that are funded by Japan were 12 (23.5%),

consisting 4 Yen Loan and 8 Japanese Grant Aid. The largest case was the “own fund of counterpart countries” accounting for 32 cases (62.7%). In addition, international organization (7 studies, 13.7%) and other donor countries (4 studies, 7.8%) account for definite percentage. In Basic studies, own fund of counterpart countries shows the quite high rate (6 studies, 85.7%) in fund procurement.

Table 2-8 shows the elapsed years between the completion of development studies and the realized fund procurement¹ for 51 studies. 29 studies (56.9% of the total) have procured fund within 3 years after completion of the study. In addition, 34 studies (66.6%) have procured fund within in 5 years after the study. Besides, the studies with no details and with unclear period, especially in case of own fund of counterpart countries, accounts for more than 30%.

Table 2-8 Years Elapsed from Completion of Development Studies to Fund Procurement

Elapsed Years	Total
Less than 1 Year	14 (27.5%)
1 Year	10 (19.6%)
2 Years	3 (5.9%)
3 Years	2 (3.9%)
4 Years	3 (5.9%)
5 Years	2 (3.9%)
6 Years	1 (2.0%)
Unknown	16 (31.4%)
Total	51 (100.0%)

2.1.4.4 Factors to Progress /Use Studies

According to the questionnaire survey, the factors contributed to effective utilization of the studies are; consistency with national plans, benefit of the project, compatibilities with the priorities in development plans, urgency of proposed project, and so forth.

2.1.4.5 Perspective of Studies in the M/P Studies Group

Table 2-9 shows the perspectives of 103 studies “In Progress or In Use”. For 57 studies, formal requests for funds were submitted or subsequent actions were taken. For 34 studies, requests for funds and subsequent actions have not been confirmed.

Regarding the contents of concrete actions for studies which a decision has been made or in consideration after the completion the study, 5 studies (4.9%) consider subsequent studies, 34 studies

¹ When funding was in the form of a Japanese ODA loans, the year of fund procurement is defined as the year in which an L/A was executed; in the case of a Grant Aid, it is defined as the year in which an E/N was executed; with other types of funding, it is the year in which the financial assistance was executed.

(33.0%) consider fund procurement, and 29 studies consider (28.2%) Japanese Technical Cooperation.

Table 2-9 Perspective of "In Progress or In Use" Studies in the M/P Group*

		M/P	Basic Study	Others	Total
Formal requests are submitted or subsequent actions are taken		43 (47.8%)	5 (38.5%)	0 (-)	48 (46.6%)
Formal requests/subsequent actions are under preparation.		9 (10.0%)	0 (0.0%)	0 (-)	9 (8.7%)
Sub-total		52 (57.8%)	5 (38.5%)	0 (-)	57 (55.3%)
Requests	Subsequent Studies	4 (4.4%)	1 (7.7%)	0 (-)	5 (4.9%)
	Fund Procurement	31 (34.4%)	3 (23.1%)	0 (-)	34 (33.0%)
	Japan's Technical Cooperation	26 (28.9%)	3 (23.1%)	0 (-)	29 (28.2%)
	Others	9 (10.0%)	2 (15.4%)	0 (-)	11 (10.7%)
	Sub-total	70 (77.8%)	9 (69.2%)	0 (-)	79 (76.7%)
Formal requests/subsequent actions are not confirmed.		30 (33.3%)	4 (30.8%)	0 (-)	34 (33.0%)
Total Number of Development Studies		90 (100.0%)	13 (100.0%)	0 (-)	103 (100.0%)

*Multiple categories may apply to some items.

2.1.5 Status of Studies under “Delayed, Discontinued or Cancelled”

2.1.5.1 Status of Studies under “Delayed, Discontinued or Cancelled”

In the M/P Studies Group, number of studies classified under the status of “Delayed or Suspended” are 5 studies, and no studies are classified into “Discontinued or Cancelled” out of 108. (Refer to Table 2-2)

- (1) Out of 95 M/P Studies, 5 studies have been classified as “Delayed or Suspended” and no studies has been classified as “Discontinued or Cancelled”, which 5 studies (5.3%) have been classified as “Delayed, Discontinued or Cancelled as a result”.
- (2) Out of 13 Basic Studies, none of the study has been classified as "Delayed or Suspended" and “Discontinued or Cancelled”.
- (3) Other Studies classified as “Delayed, Discontinued, or Cancelled”, no track records are found.

Out of all of the “Delayed or Suspended” and “Discontinued or Cancelled” studies, 1 study has

been made to conduct a subsequent study to implement the prioritized projects.

Table 2-10 Details of Request of "Delayed" and "Discontinued or Cancelled"
Studies of M/P Group

	M/P	Basic Study	Others	Total
Formally Requested	1	0	0	1
No Formal Request	4	0	0	4
Total Number of Development Studies	5	0	0	5

2.1.5.2 Reasons for Delay, Discontinuation and Cancellation of Studies

According to the questionnaire survey, there are several reasons for the delays, discontinued and cancellation in 5 studies.

- Political factors such as replacement of active chairperson for target projects
- Policy-related factors such as the alternation of national development plan
- Natural environmental factors such as flood in the target areas, which prevents the projects from being implemented
- Administrative reasons such as re-organization of counterpart agencies in recipient countries, the lack of coordination between administrative agencies, and disagreement on the subsequent study between the both countries
- Financial reasons such as difficulties in procurement of finances from foreign donors
- No permission is obtained from the government of counterpart countries on the disclosure of the report contents, etc.,.

Continuity in government policies is important in utilizing the results of development studies. It is however due to internal factors such as political changes and administrative reforms, and external factors such as regional economic crisis break continuity and affect materializations of the projects.

2.1.5.3 Perspective for "Delayed" Studies in the M/P Studies Group

There were 1 study classified as "Delayed" and 1 study classified as "Discontinued or Cancelled" in FY2007 (two years ago) f study, which included the studies completed in FY2004, FY2006, and FY2008 as targets for questionnaires.

The status of these studies has not changed in this fiscal year's follow-up study. (Refer to Table 2-1)

2.2 Status of Completed Studies in the F/S Studies Group

7 studies which were completed in FY2004, 16 studies which were completed in FY2006, 9 studies which were completed in FY2008, and In FY 1999, 44 studies were completed.

By looking at FY 1999, there are 30 out of 44 studies (68.2%) classified as “Completed or In Progress”, 7 studies (15.9%) are “Under Promotion”, 7 studies (15.9%) are “Delayed or Suspended”, and 0 study (00%) is “Discontinued or Cancelled”.

Transition of the status of realization for the studies completed in FY2004, FY2006, FY2008 shows studies classified as “Completed or In Progress” consists 42.9% (3 out of 7 studies) in FY2004; 62.5% (10 out of 16 studies) in FY2006; 11.1% (1 out of 9 studies) in FY2008.

Furthermore, regarding the studies completed in FY 2008, realization rate is low though there is short period after the completion of the study. However, accurate judgment is hardly made and further progress is expected for future realization since the number of studies is too small and the change of ration is too large. The rate of studies classified as “Under Promotion” consists 57.1% in FY2004; 25.0% in FY2006; 77.8% in FY2008. The rate of studies classified as “Delayed or Suspended” consists 0.0% in FY2004; 12.5% in FY2006; 11.1% in FY2008, and there is no “Discontinued or Cancelled”.

Table 2-11 Status of Realization of the F/S Studies Group

Completion Year	Completed or In Progress					Under Promotion	Delayed or Suspended	Discontinued or Cancelled	Total
	Completed	Partially Completed	Under Implementation	In Process	Sub-Total				
1999	5 (11.4%)	11 (25.0%)	12 (27.3%)	2 (4.5%)	30 (68.2%)	7 (15.9%)	7 (15.9%)	0 (0.0%)	44 (100.0%)
2004	0 (0.0%)	1 (14.3%)	0 (0.0%)	2 (28.6%)	3 (42.9%)	4 (57.1%)	0 (0.0%)	0 (0.0%)	7 (100.0%)
2006	0 (0.0%)	2 (12.5%)	6 (37.5%)	2 (12.5%)	10 (62.5%)	4 (25.0%)	2 (12.5%)	0 (0.0%)	16 (100.0%)
2008	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (11.1%)	1 (11.1%)	7 (77.8%)	1 (11.1%)	0 (0.0%)	9 (100.0%)
Total (exc.1999)	0 (0.0%)	3 (9.4%)	6 (18.8%)	5 (15.6%)	14 (43.8%)	15 (46.9%)	3 (9.4%)	0 (0.0%)	32 (100.0%)
Total	5 (6.6%)	14 (18.4%)	18 (23.7%)	7 (9.2%)	44 (57.9%)	22 (28.9%)	10 (13.2%)	0 (0.0%)	76 (100.0%)

2.2.1 Realization Status of Completed Studies by Region

The realization rate here is analyzed by region, except for Oceania, Europe and Multiple Countries, where few development studies have been conducted.

In Asia, where the most number of studies were conducted, out of 40 completed studies, 27 are classified as “Completed or In Progress”, the realization rate is 67.5% which is higher than the average realization rate (57.9%) of whole regions of F/S studies. The realization rate in ASEAN is 63.6%, while that for Other Asia is 72.2%.

Regarding other regions except for Asia, realization rates are; 53.8% in Central and South America, 50.0% in Middle East and Europe, 28.6% in Africa in percentage ranked order. As to Oceania and Multiple Countries, there is nothing of completed studies. In comparison with Asia region, there is a huge gap in the rate of promotion of proposed projects.

The percentage of the studies classified under “Under Promotion” is 38.5% (5 studies) in Central and South America Region and 31.8% (7 studies) in ASEAN, which the realization rate is higher than other regions and is expected to increase in the future.

Table 2-12 Present Status of the F/S Studies Group by Region

Present Status		Asia			Middle East	Africa
		ASEAN	Other Asia	Sub-total		
Completed or In Progress	Completed	2 (9.1%)	2 (11.1%)	4 (10.0%)	0 (0.0%)	0 (0.0%)
	Partially Completed	6 (27.3%)	4 (22.2%)	10 (25.0%)	3 (30.0%)	0 (0.0%)
	Under Implementation	2 (9.1%)	6 (33.3%)	8 (20.0%)	1 (10.0%)	2 (28.6%)
	In Process	4 (18.2%)	1 (5.6%)	5 (12.5%)	1 (10.0%)	0 (0.0%)
	Sub-Total	14 (63.6%)	13 (72.2%)	27 (67.5%)	5 (50.0%)	2 (28.6%)
Under Promotion		7 (31.8%)	4 (22.2%)	11 (27.5%)	3 (30.0%)	2 (28.6%)
Delayed or Suspended		1 (4.5%)	1 (5.6%)	2 (5.0%)	2 (20.0%)	3 (42.9%)
Discontinued or Cancelled		0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Total		22 (100.0%)	18 (100.0%)	40 (100.0%)	10 (100.0%)	7 (100.0%)

Present Status		Central & South America	Oceania	Europe	Multiple Countries	Total
Completed or In Progress	Completed	1 (7.7%)	0 (-)	0 (0.0%)	0 (-)	5 (6.6%)
	Partially Completed	1 (7.7%)	0 (-)	0 (0.0%)	0 (-)	14 (18.4%)
	Under Implementation	4 (30.8%)	0 (-)	3 (50.0%)	0 (-)	18 (23.7%)
	In Process	1 (7.7%)	0 (-)	0 (0.0%)	0 (-)	7 (9.2%)
	Sub-Total	7 (53.8%)	0 (-)	3 (50.0%)	0 (-)	44 (57.9%)
Under Promotion		5 (38.5%)	0 (-)	1 (16.7%)	0 (-)	22 (28.9%)
Delayed or Suspended		1 (7.7%)	0 (-)	2 (33.3%)	0 (-)	10 (13.2%)
Discontinued or Cancelled		0 (0.0%)	0 (-)	0 (0.0%)	0 (-)	0 (0.0%)
Total		13 (100.0%)	0 (-)	6 (100.0%)	0 (-)	76 (100.0%)

Table 2-13 shows trends in realization rates in Asia, where large number of study has been conducted. The average realization rate for FY2004, FY2006 and FY2008 is 55.6%.

Table 2-13 Trends in Realization Rates in Asia

Completion Year	Completed or In Progress					Under Promotion	Delayed or Suspended	Discontinued or Cancelled	Total
	Completed	Partially Completed	Under Implementation	In Process	Sub-Total				
1999	4 (18.2%)	7 (31.8%)	4 (18.2%)	2 (9.1%)	17 (77.3%)	3 (13.6%)	2 (9.1%)	0 (0.0%)	22 (100.0%)
2004	0 (0.0%)	1 (20.0%)	0 (0.0%)	2 (40.0%)	3 (60.0%)	2 (40.0%)	0 (0.0%)	0 (0.0%)	5 (100.0%)
2006	0 (0.0%)	2 (25.0%)	4 (50.0%)	0 (0.0%)	6 (75.0%)	2 (25.0%)	0 (0.0%)	0 (0.0%)	8 (100.0%)
2008	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (20.0%)	1 (20.0%)	4 (80.0%)	0 (0.0%)	0 (0.0%)	5 (100.0%)
Total (exc.1999)	0 (0.0%)	3 (16.7%)	4 (22.2%)	3 (16.7%)	10 (55.6%)	8 (44.4%)	0 (0.0%)	0 (0.0%)	18 (100.0%)
Total	4 (10.0%)	10 (25.0%)	8 (20.0%)	5 (12.5%)	27 (67.5%)	11 (27.5%)	2 (5.0%)	0 (0.0%)	40 (100.0%)

2.2.2 Realization Status of Completed Studies by Study Type

As Table 2-14 shows, out of the total 76 completed studies, 44 studies are classified as “Completed or In Progress”, the realization rate is 57.9%, which can be concluded that the studies have been utilized basically satisfactory. Regarding M/P+F/S studies, 61.5% of studies are classified into “Completed or In Progress” and 47.8% for F/S. Thus, it can be said that there is a gap in the rate of realization between the types of studies.. As to D/D study, 1 study is classified into “Completed or In Progress”. For the D/D study is predicated on the implementation of financial cooperation, it is assumed that the studies were in progress for its materialization or implemented by skipping the preparation period.

Comparing the rate of “Under Promotion” the rates are, 32.7% for M/P+F/S and 21.7% for F/S. In F/S studies, there are 7 studies categorized into “Delayed or Suspended”, accounting for 30.4%, and nearly one-third of studies are less likely to be realized.

Table 2-14 Present Status of the F/S Studies Group by Type of Study

Present Status		M/P+F/S	F/S	D/D	Total
Completed or In Progress	Completed	2 (3.8%)	3 (13.0%)	0 (0.0%)	5 (6.6%)
	Partially Completed	12 (23.1%)	1 (4.3%)	1 (100.0%)	14 (18.4%)
	Under Implementation	13 (25.0%)	5 (21.7%)	0 (0.0%)	18 (23.7%)
	In Process	5 (9.6%)	2 (8.7%)	0 (0.0%)	7 (9.2%)
	Sub-Total	32 (61.5%)	11 (47.8%)	1 (100.0%)	44 (57.9%)
Under Promotion		17 (32.7%)	5 (21.7%)	0 (0.0%)	22 (28.9%)
Delayed or Suspended		3 (5.8%)	7 (30.4%)	0 (0.0%)	10 (13.2%)
Discontinued or Cancelled		0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Total		52 (100.0%)	23 (100.0%)	1 (100.0%)	76 (100.0%)

2.2.3 Realization Status of Completed Studies by Sector

Regarding the number of completed studies in the area of the Social Development and the Agriculture, Forestry, and Fishery, there are 64 and 12 studies respectively. The realization rates are 62.5% in the Social Development area and 33.3% in the Agriculture, Forestry, and Fishery. The area of Agriculture, Forestry and Fishery decreased nearly 30 percentage for the rate of realization in comparison with the area of Social Development despite its small number of studies (Table 2-15, 16). In Social Development area, the realization rates of different types of studies are; 64.4% in M/P+F/S, 55.6% in F/S, and 100.0% (1 study) in D/D. Compared to F/S studies, M/P+F/S studies tend to show the high rate of realization.

Table 2-15 Present Status by Sector and Type of Study

Present Status		Social Development			
		M/P+F/S	F/S	D/D	Sub-total
Completed or In Progress	Completed	2 (4.4%)	3 (16.7%)	0 (0.0%)	5 (7.8%)
	Partially Completed	12 (26.7%)	1 (5.6%)	1 (100.0%)	14 (21.9%)
	Under Implementation	11 (24.4%)	4 (22.2%)	0 (0.0%)	15 (23.4%)
	In Process	4 (8.9%)	2 (11.1%)	0 (0.0%)	6 (9.4%)
	Sub-Total	29 (64.4%)	10 (55.6%)	1 (100.0%)	40 (62.5%)
Under Promotion		14 (31.1%)	3 (16.7%)	0 (0.0%)	17 (26.6%)
Delayed or Suspended		2 (4.4%)	5 (27.8%)	0 (0.0%)	7 (10.9%)
Discontinued or Cancelled		0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Total		45 (100.0%)	18 (100.0%)	1 (100.0%)	64 (100.0%)

Present Status		Agriculture, Forestry & Fishery				Total
		M/P+F/S	F/S	D/D	Sub-total	
Completed or In Progress	Completed	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)	5 (12.9%)
	Partially Completed	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)	14 (11.8%)
	Under Implementation	2 (28.6%)	1 (20.0%)	0 (-)	3 (25.0%)	18 (32.9%)
	In Process	1 (14.3%)	0 (0.0%)	0 (-)	1 (8.3%)	7 (8.2%)
	Sub-Total	3 (42.9%)	1 (20.0%)	0 (-)	4 (33.3%)	44 (65.9%)
Under Promotion		3 (42.9%)	2 (40.0%)	0 (-)	5 (41.7%)	22 (23.5%)
Delayed or Suspended		1 (14.3%)	2 (40.0%)	0 (-)	3 (25.0%)	10 (9.4%)
Discontinued or Cancelled		0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)	0 (1.2%)
Total		7 (100.0%)	5 (100.0%)	0 (-)	12 (100.0%)	76 (100.0%)

Table 2-16 Present Status by Sector and Region

Agriculture, Forestry & Fishery								
Present Status		Asia	Middle East	Africa	Central & South America	Oceania	Europe	Multiple Countries
Completed or In Progress	Completed	0	0	0	0	0	0	0
	Partially Completed	0	0	0	0	0	0	0
	Under Implementation	1	0	1	1	0	0	0
	In Process	1	0	0	0	0	0	0
	Sub-Total	2	0	1	1	0	0	0
(Rate of Realization)		(66.7%)	(0.0%)	(33.3%)	(33.3%)	(-)	(0.0%)	(-)
Under Promotion		1	1	1	2	0	0	0
(ratio)		(33.3%)	(50.0%)	(33.3%)	(66.7%)	(-)	(0.0%)	(-)
Delayed or Suspended		0	1	1	0	0	1	0
(ratio)		(0.0%)	(50.0%)	(33.3%)	(0.0%)	(-)	(100.0%)	(-)
Discontinued or Cancelled		0	0	0	0	0	0	0
(ratio)		(0.0%)	(0.0%)	(0.0%)	(0.0%)	(-)	(0.0%)	(-)
Total		3	2	3	3	0	1	0
(ratio)		(100.0%)	(100.0%)	(100.0%)	(100.0%)	(-)	(100.0%)	(-)

Social Development								
Present Status		Asia	Middle East	Africa	Central & South America	Oceania	Europe	Multiple Countries
Completed or In Progress	Completed	4	0	0	1	0	0	0
	Partially Completed	10	3	0	1	0	0	0
	Under Implementation	7	1	1	3	0	3	0
	In Process	4	1	0	1	0	0	0
	Sub-Total	25	5	1	6	0	3	0
(Rate of Realization)		(67.6%)	(62.5%)	(25.0%)	(60.0%)	(-)	(60.0%)	(-)
Under Promotion		10	2	1	3	0	1	0
(ratio)		(27.0%)	(25.0%)	(25.0%)	(30.0%)	(-)	(20.0%)	(-)
Delayed or Suspended		2	1	2	1	0	1	0
(ratio)		(5.4%)	(12.5%)	(50.0%)	(10.0%)	(-)	(20.0%)	(-)
Discontinued or Cancelled		0	0	0	0	0	0	0
(ratio)		(0.0%)	(0.0%)	(0.0%)	(0.0%)	(-)	(0.0%)	(-)
Total		37	8	4	10	0	5	0
(ratio)		(100.0%)	(100.0%)	(100.0%)	(100.0%)	(-)	(100.0%)	(-)

Table 2-17 shows a trend in realization rates of the Transportation sub-sector, which is the largest sub-sector that 25 studies have been implemented in this sector out of 76 F/S. In FY 1999, high realization rate can be seen which accounts 86.7% of the studies conducted. However, realization rate has been decreased in FY2004, FY2006 and FY2008, despite the small number of studies. 1 study of FY 2008 is “Under Promotion. The low realization rates after FY 2004 results from the fact that many studies are classified under “Under Promotion”, which a preparation for realization rate is in progress.

Table 2-17 Time Trend of the Realization Rate for Transportation Sector

Preset Status	1999	2004	2006	2008	Total
Completed	4	0	0	0	4
Partially Completed	5	0	1	0	6
Under Implementation	2	0	1	0	3
In Process	2	2	0	0	4
Sub-Total	13	2	2	0	17
(Rate of Realization)	(86.7%)	(33.3%)	(66.7%)	(0.0%)	(68.0%)
Under Promotion	1	4	1	1	7
(ratio)	(6.7%)	(66.7%)	(33.3%)	(100.0%)	(28.0%)
Delayed or Suspended	1	0	0	0	1
(ratio)	(6.7%)	(0.0%)	(0.0%)	(0.0%)	(4.0%)
Discontinued or Cancelled	0	0	0	0	0
(ratio)	(0.0%)	(0.0%)	(0.0%)	(0.0%)	(0.0%)
Total	15	6	3	1	25
(ratio)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)

2.2.4 Status of Studies “Completed or In Progress”

(1) Details of Analysis of Studies “Completed or In Progress”

The category “Completed” or “In Progress” are divided into 4 sub-categories; “Completed,” “Partially Completed,” “Under Implementation” and “In Process”. Out of total of 76 completed studies, there are 44 studies classified as “Completed or In Progress” in the F/S Group. These studies are divided into 5 in “Completed”, 14 in “Partially Completed”, 18 in “Under Implementation” and 7 “In Process”. (Refer to Table 2-18)

For 44 studies which are categorized under "Completed or In Progress", subsequent study has been implemented for 26 studies and fund has been procured for 43 studies. Although including partially implemented studies, one can conclude that successful procurement of funds and proposed projects are materialized successfully. (Refer to Table 2-18)

Table 2-18 Details of “Completed or In Progress” Studies of the F/S Group

Present Status	Type of Studies	Subsequent Study	Fund Procurement	Japanese Technical Cooperation	Others	Number of Studies
Completed	M/P+F/S	2	2	0	0	2
	F/S	1	3	1	0	3
	D/D	0	0	0	0	0
	Sub-total	3	5	1	0	5
Partially Completed	M/P+F/S	9	12	7	1	12
	F/S	1	1	0	0	1
	D/D	0	1	1	0	1
	Sub-total	10	14	8	1	14
Under Implementation	M/P+F/S	5	13	4	1	13
	F/S	3	5	2	0	5
	D/D	0	0	0	0	0
	Sub-total	8	18	6	1	18
In Process	M/P+F/S	3	4	0	0	5
	F/S	2	2	0	0	2
	D/D	0	0	0	0	0
	Sub-total	5	6	0	0	7
Total		26	43	15	2	44

*Multiple categories may apply to some items.

(2) Implementation of Subsequent Studies

Out of 44 “Completed or In Progress” studies, subsequent studies have been implemented for 26 studies which account for 59.1% (table 2-18). According to the type of study, 3 out of 5 studies (60.0%) in “Completed”, 10 out of 14 studies (71.4%) in “Partially Implemented”, 8 out of 18 studies (44.4%) in "Under Implementation", and 5 out of 7 studies (59.1%) "In Progress" have conducted some sort of subsequent study.

Details of the subsequent studies conducted for 26 studies classified under “Implemented or In Progress” are as follows. In addition, plural subsequent studies have been implemented in several studies. (Table 2-19)

- (1) B/D studies: 7 studies
- (2) D/D studies: 10 studies
- (3) Other study: 10 studies
- (4) E/S, Review Study, Unknown: 1 study respectively

Table 2-19 Type of Subsequent Study

Present Status	Type of Study	Type of Subsequent Study									Number of Subsequent Study	Number of Studies
		F/S	B/D	D/D	D/D *	D/D **	E/S	Review	Other	Unknown		
Completed	M/P+F/S	0 (0.0%)	1 (50.0%)	0 (0.0%)	1 (50.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (100.0%)	2 (100.0%)
	F/S	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (33.3%)	0 (0.0%)	1 (33.3%)	3 (100.0%)
	D/D	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)
	Sub-total	0 (0.0%)	1 (20.0%)	0 (0.0%)	1 (20.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (20.0%)	0 (0.0%)	3 (60.0%)	5 (100.0%)
Partially Completed	M/P+F/S	0 (0.0%)	4 (33.3%)	2 (16.7%)	1 (8.3%)	1 (8.3%)	1 (8.3%)	0 (0.0%)	2 (16.7%)	0 (0.0%)	9 (75.0%)	12 (100.0%)
	F/S	0 (0.0%)	0 (0.0%)	1 (100.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (100.0%)	1 (100.0%)
	D/D	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	1 (-)
	Sub-total	0 (0.0%)	4 (28.6%)	3 (21.4%)	1 (7.1%)	1 (7.1%)	1 (7.1%)	0 (0.0%)	2 (14.3%)	0 (0.0%)	10 (71.4%)	14 (100.0%)
Under Implementation	M/P+F/S	0 (0.0%)	2 (15.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (15.4%)	1 (7.7%)	5 (38.5%)	13 (100.0%)
	F/S	0 (0.0%)	0 (0.0%)	1 (20.0%)	0 (0.0%)	1 (20.0%)	0 (0.0%)	0 (0.0%)	2 (40.0%)	0 (0.0%)	3 (60.0%)	5 (100.0%)
	D/D	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)
	Sub-total	0 (0.0%)	2 (11.1%)	1 (5.6%)	0 (0.0%)	1 (5.6%)	0 (0.0%)	0 (0.0%)	4 (22.2%)	1 (5.6%)	8 (44.4%)	18 (100.0%)
In Process	M/P+F/S	0 (0.0%)	0 (0.0%)	1 (20.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (40.0%)	0 (0.0%)	3 (60.0%)	5 (100.0%)
	F/S	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (50.0%)	0 (0.0%)	1 (50.0%)	1 (50.0%)	0 (0.0%)	2 (100.0%)	2 (100.0%)
	D/D	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)
	Sub-total	0 (0.0%)	0 (0.0%)	1 (14.3%)	0 (0.0%)	1 (14.3%)	0 (0.0%)	1 (14.3%)	3 (42.9%)	0 (0.0%)	5 (71.4%)	7 (100.0%)
Total		0 (0.0%)	7 (15.9%)	5 (11.4%)	2 (4.5%)	3 (6.8%)	1 (2.3%)	1 (2.3%)	10 (22.7%)	1 (2.3%)	26 (59.1%)	44 (100.0%)

*: Multiple choices

As shown in Table 2-20, excluding 5 subsequent studies which the elapsed time for implementation are unknown, most of the subsequent studies have been completed within 5 years after the completion of the study. This shows relatively early implementation of the subsequent study for the project, which are realized

Table 2-20 Years Elapsed from Completion of Development Studies
to Implementation of Subsequent Study

Present Status	Type of Study	Elapsed Years									Total
		Less than 1 Year	1 Year	2 Years	3 Years	4 Years	5 Years	Sub-total	6 Years and more	Unknown	
Completed	M/P+F/S	0	1	1	0	0	0	2	0	0	2
	F/S	0	0	1	0	0	0	1	0	0	1
	D/D	0	0	0	0	0	0	0	0	0	0
	Sub-total	0 (0.0%)	1 (33.3%)	2 (66.7%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (100.0%)	0 (0.0%)	0 (0.0%)	3 (100.0%)
Partially Completed	M/P+F/S	3	1	1	0	0	0	5	1	3	9
	F/S	0	0	0	0	1	0	1	0	0	1
	D/D	0	0	0	0	0	0	0	0	0	0
	Sub-total	3 (30.0%)	1 (10.0%)	1 (10.0%)	0 (0.0%)	1 (10.0%)	0 (0.0%)	6 (60.0%)	1 (10.0%)	3 (30.0%)	10 (100.0%)
Under Implementation	M/P+F/S	0	3	1	0	0	0	4	0	1	5
	F/S	1	0	0	0	0	1	2	0	1	3
	D/D	0	0	0	0	0	0	0	0	0	0
	Sub-total	1 (12.5%)	3 (37.5%)	1 (12.5%)	0 (0.0%)	0 (0.0%)	1 (12.5%)	6 (75.0%)	0 (0.0%)	2 (25.0%)	8 (100.0%)
In Process	M/P+F/S	0	2	0	0	1	0	3	0	0	3
	F/S	0	1	1	0	0	0	2	0	0	2
	D/D	0	0	0	0	0	0	0	0	0	0
	Sub-total	0 (0.0%)	3 (60.0%)	1 (20.0%)	0 (0.0%)	1 (20.0%)	0 (0.0%)	5 (100.0%)	0 (0.0%)	0 (0.0%)	5 (100.0%)
Total		4 (15.4%)	8 (30.8%)	5 (19.2%)	0 (0.0%)	2 (7.7%)	1 (3.8%)	20 (76.9%)	1 (3.8%)	5 (19.2%)	26 (100.0%)

(3) Procurement of Funds

Table 2-21 shows funding party for 43 studies which have procured funds. 16 studies acquired funds from Japanese ODA loans (37.2%) and 12 are from Grant Aid (27.9%), which accounts for 28 studies (65.1%). Following to the mentioned funding party, Own Fund accounts for 18 studies (41.9%).

Other funding sources are International organizations and other bilateral donors. The numbers of studies funded from each source are 7 studies (14.3%) and 5 studies (11.6%). Private sector funds were provided for 4 studies (9.3 %),

By looking at the subcategory of the status, funding from the Japanese government (Loan and Grant) consists, 72.7% (3 studies) for “Completed”; 78.6% (11 studies) for “Partially Completed”; 50.0% (9 studies) for “Under Implementation”; and 83.3% (5 studies) for “In Progress”.

Table 2-21 Details of Fund Procurement

Present Status	Type of Studies	Japanese ODA Loan	Japanese Grant Aid	Japan's EXIM Bank	International Organizations	Other Donor Countries	Own Fund	Private Fund	Othres	Unknown	Total *1	Total *2
Completed	M/P+F/S	1 (50.0%)	1 (50.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (100.0%)	2
	F/S	1 (33.3%)	0 (0.0%)	0 (0.0%)	1 (33.3%)	0 (0.0%)	3 (100.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (100.0%)	3
	D/D	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0
	Sub-total	2 (40.0%)	1 (20.0%)	0 (0.0%)	1 (20.0%)	0 (0.0%)	3 (60.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	5 (100.0%)	5
Partially Completed	M/P+F/S	3 (25.0%)	5 (41.7%)	0 (0.0%)	1 (8.3%)	3 (25.0%)	6 (50.0%)	1 (8.3%)	3 (25.0%)	0 (0.0%)	12 (100.0%)	12
	F/S	1 (100.0%)	1 (100.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (100.0%)	1
	D/D	1 (100.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (100.0%)	1
	Sub-total	5 (35.7%)	6 (42.9%)	0 (0.0%)	1 (7.1%)	3 (21.4%)	6 (42.9%)	1 (7.1%)	3 (21.4%)	0 (0.0%)	14 (100.0%)	14
Under Implementation	M/P+F/S	4 (30.8%)	2 (15.4%)	0 (0.0%)	3 (23.1%)	1 (7.7%)	6 (46.2%)	1 (7.7%)	0 (0.0%)	0 (0.0%)	13 (100.0%)	13
	F/S	1 (20.0%)	2 (40.0%)	0 (0.0%)	1 (20.0%)	0 (0.0%)	3 (60.0%)	1 (20.0%)	0 (0.0%)	0 (0.0%)	5 (100.0%)	5
	D/D	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0
	Sub-total	5 (27.8%)	4 (22.2%)	0 (0.0%)	4 (22.2%)	1 (5.6%)	9 (50.0%)	2 (11.1%)	0 (0.0%)	0 (0.0%)	18 (100.0%)	18
In Process	M/P+F/S	3 (75.0%)	1 (25.0%)	0 (0.0%)	0 (0.0%)	1 (25.0%)	0 (0.0%)	1 (25.0%)	0 (0.0%)	0 (0.0%)	4 (100.0%)	5
	F/S	1 (50.0%)	0 (0.0%)	0 (0.0%)	1 (50.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (100.0%)	2
	D/D	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0
	Sub-total	4 (66.7%)	1 (16.7%)	0 (0.0%)	1 (16.7%)	1 (16.7%)	0 (0.0%)	1 (16.7%)	0 (0.0%)	0 (0.0%)	6 (100.0%)	7
Total		16 (37.2%)	12 (27.9%)	0 (0.0%)	7 (16.3%)	5 (11.6%)	18 (41.9%)	4 (9.3%)	3 (7.0%)	0 (0.0%)	43 (100.0%)	44

*1: Number of development studies which have funded project

*2: Total Number of development studies

Table 2-22 shows the number of studies funded by Japanese assistance (loan and grant) with 10 studies funded by ODA loans, and 7 studies funded by Grant Aid in FY1999, 1 studies funded by ODA loans and no study was funded by Grant Aid in FY2004, 5 studies funded by ODA loans and 4 studies funded by Grant Aid in FY2006, no study funded by ODA loans and 1 study funded by Grant Aid in FY2008.

Table 2-22 Numbers of Studies Funded by Japanese Assistance by Sector

Sector	1999		2004		2006		2008		Total	
	Japanese ODA Loan	Japanese Grant Aid	Japanese ODA Loan	Japanese Grant Aid	Japanese ODA Loan	Japanese Grant Aid	Japanese ODA Loan	Japanese Grant Aid	Japanese ODA Loan	Japanese Grant Aid
Social Development	10	7	1	0	5	4	0	0	16	11
Agriculture, Forestry & Fishery	0	0	0	0	0	0	0	1	0	1
Total	10	7	1	0	5	4	0	1	16	12

Regarding 7 studies, which the funding have been procured from International organizations, ADB provides funds for 3 studies, EU for 2 studies and the World Bank for 1 study. As for donor countries other than Japan, Germany provides funds for 2 studies, UK for 1 study, and other countries for 3 studies, accounting for 6 studies.

Table 2-23 Details of Fund Source

Funding Source		Completed	Partially Completed	Under Implementation	In Process	Total
International Organizations	World Bank	1	0	0	0	1
	ADB	0	1	1	1	3
	AfDB	0	0	0	0	0
	EU	0	0	2	0	2
	IDB	0	0	0	0	0
	IsDB	0	0	0	0	0
	Othres	0	0	0	0	0
	Unknown	0	0	1	0	1
	Sub-total	1	1	4	1	7
	Total **	1	1	4	1	7
Othre Donor Countries	U.S.A	0	0	0	0	0
	U.K.	0	0	1	0	1
	France	0	0	0	0	0
	Germany	0	2	0	0	2
	Australia	0	0	0	0	0
	Netherlands	0	0	0	0	0
	Italy	0	0	0	0	0
	Spain	0	0	0	0	0
	Kuwait	0	0	0	0	0
	Saudi Arabia	0	0	0	0	0
	Others	0	2	0	1	3
	Unknown	0	0	0	0	0
	Sub-total	0	4	1	1	6
	Total **	0	3	1	1	5

*: Multiple categories may apply to some items.

Regarding the period elapsed after the completion of 43 studies which have procured funds, 25 studies (58.1%) acquired funds within 5 years after the completion of the study (Table 2-24). Out of 27 studies excluding 16 studies with unclear period, 92.6% of them were implemented within 5 years. In addition, comparing the elapsed year after the completion by subcategory of the status for 19 studies classified under “Completed” or “Partially Completed”, most of those 10 studies have procured fund within 2 years excluding 6 studies, which a period of fund procurement are unknown.

Table 2-24 Years Elapsed from the Completion of Development Studies
to the Realization of Fund Procurement

Present Status	Type of Study	Elapsed Years							Unknown	Total
		Less Than 1 Year	1 Year	2 Year	3 Year	4 Year	5 Year	6 Year and more		
Completed	M/P+F/S	0	0	2	0	0	0	0	0	2
	F/S	0	1	1	0	0	0	0	1	3
	D/D	0	0	0	0	0	0	0	0	0
	Sub-total	0	1	3	0	0	0	0	1	5
Partially Completed	M/P+F/S	2	2	0	1	0	1	1	5	12
	F/S	1	0	0	0	0	0	0	0	1
	D/D	1	0	0	0	0	0	0	0	1
	Sub-total	4	2	0	1	0	1	1	5	14
Under Implementation	M/P+F/S	0	2	3	2	1	0	0	5	13
	F/S	0	0	0	1	1	0	1	1	4
	D/D	0	0	0	0	0	0	0	0	0
	Sub-total	0	2	3	3	2	0	1	6	17
In Process	M/P+F/S	0	2	1	0	0	0	0	2	5
	F/S	0	0	0	0	0	0	0	2	2
	D/D	0	0	0	0	0	0	0	0	0
	Sub-total	0	2	1	0	0	0	0	4	7
Total		4	7	7	4	2	1	2	16	43

(4) Factors for Implementation

According to the questionnaire survey, several factors influences fund procurement. Such factors are, 1) benefit of the project; 2) priority of the project; 3) consistency with national development plans; and 4) urgency.

(5) Perspectives of Studies “Completed or In Progress”

Table 2-25 shows future perspectives for 10 studies out of 14 studies under "Partially Completed" and 10 out of 18 studies under "Under Implementation", which there are unrealized project with the study. For “Partially Implemented” category, “formal requests/ subsequent actions have been decided” or “under preparation” for 3 studies out of 10 studies while “formal requests / subsequent

actions” have yet been decided or unclear for the rest of 7 studies. As well, for “under Implementation” category, “formal requests / subsequent actions” have been decided for 1 study out of 10 studies while they have yet been decided or unclear for the rest of 9 studies.

Table 2-25 Perspectives of "Partially Completed" or "Implementing" Studies of F/S Group

	Partially Completed	Under Implementation	In Process	Total
Formal requests/subsequent actions have been decided.	6	9	4	19
Formal requests/subsequent actions are under preparation	1	0	2	3
Details of Requests/Actions	Subsequent Studies	0	0	1
	Fund Procurement	4	5	14
	Japanese Technical Cooperation	1	5	6
	Others	1	2	3
	Sub-total	6	12	24
Formal requests/subsequent actions have not been confirmed	6	9	1	16
Number of Development Studies	10	10	0	20
Total Number of Development Studies	14	18	7	39

*Multiple categories may apply to some items

2.2.5 Status of Studies at “Under Promotion”

(1) Details of Studies at “Under Promotion”

There are 22 studies classified as “Under Promotion”. Some studies are already in process of materialization shortly after the completion, while 7 studies (31.8%) are still in "Under Promotion" category after 10 years and more from the completion.

Regarding the types of studies, within 5 years after the completion, there are 6 M/P+F/S studies (35.3% of the M/P+F/S study), and 1 F/S study in 1 year after the completion of Development Studies; 3 M/P+F/S studies (17.6%), and 1 F/S study (20.0%) in 3 years after the completion of Development Studies; 4 M/P+F/S studies (23.5%), 3 F/S study (60.0%) in 5 years after the completion of Development Studies; 4 M/P+F/S studies (23.5%), 3 F/S studies (60.0%) in 10 years after completion of Development Studies. As to D/D studies, no relevant studies were conducted. (Table 2-26).

Table 2-26 Years Elapsed After the Completion of Development Studies

Elapsed Year	M/P+F/S	F/S	D/D	Total
1 Year	6 (35.3%)	1 (20.0%)	0 (-)	7 (31.8%)
3 Year	3 (17.6%)	1 (20.0%)	0 (-)	4 (18.2%)
5 Year	4 (23.5%)	0 (0.0%)	0 (-)	4 (18.2%)
Sub-total	13 (76.5%)	2 (40.0%)	0 (-)	15 (68.2%)
10 Year	4 (23.5%)	3 (60.0%)	0 (-)	7 (31.8%)
Total	17 (100.0%)	5 (100.0%)	0 (-)	22 (100.0%)

Out of 22 studies categorized in “Under Promotion”, for 8 M/P+F/S studies (47.1%) and 1 F/S studies (20.0%) have completed some sort of subsequent studies. Details of the subsequent studies are 2 studies for B/D, 2 studies for review studies, and 4 for other studies. As to D/D studies, no relevant studies were conducted. (Table 2-27)

Table 2-27 Details of Subsequent Studies Conducted (Studies "Under Promotion")

	M/P+F/S	F/S	D/D	Total
F/S	0	0	0	0
B/D	1	1	0	2
D/D	0	0	0	0
D/D(Grant)	0	0	0	0
JICA-JBIC D/D	0	0	0	0
E/S	0	0	0	0
Review Study	2	0	0	2
Others	4	0	0	4
Unknown	1	0	0	1
Total	8 (47.1%)	1 (20.0%)	0 (0.0%)	9 (40.9%)
Total Number of “Under Promotion” Studies	17 (100.0%)	5 (100.0%)	0 (100.0%)	22 (100.0%)

As shown in Table 2-28, requests for financial assistance and/or subsequent actions have already been made in 9 studies (40.9% of “Under Promotion” studies) and Other 6 studies 27.3%) are at the stage of “formal requests and/or subsequent actions are under preparation or examination”. Subsequent actions have been taken in more than 65% of the studies.

Considering 15 studies which formal requests or subsequent actions are decided or under preparation, implementation of “Fund Procurement” (12 studies, 54.5%).

Looking at the difference in type of studies "Under Promotion", 6 studies (35.3%) for M/P+F/S

Study and 3 studies (60.0%) for F/S Study are at the stage of "Formal request/subsequent actions have been decided". As to D/D studies, no relevant studies were conducted.

Table 2-28 Details of Studies "Under Promotion"

		M/P+F/S	F/S	D/D	Total
Formal requests/subsequent actions have been decided.		6 (35.3%)	3 (60.0%)	0 (-)	9 (40.9%)
Formal requests/subsequent actions are under preparation		5 (29.4%)	1 (20.0%)	0 (-)	6 (27.3%)
Sub-total		11 (64.7%)	4 (80.0%)	0 #DIV/0!	15 (68.2%)
Details of Requests/Actions *	Subsequent Studies	1 (5.9%)	0 (0.0%)	0 (-)	1 (4.5%)
	Fund Procurement	9 (52.9%)	3 (60.0%)	0 (-)	12 (54.5%)
	Japanese Technical Cooperation	2 (11.8%)	1 (20.0%)	0 (-)	3 (13.6%)
	Others	1 (5.9%)	0 (0.0%)	0 (-)	1 (4.5%)
	Sub-total	13 (76.5%)	4 (80.0%)	0 (-)	17 (77.3%)
Formal requests/subsequent actions have not been confirmed		6 (35.3%)	1 (20.0%)	0 (-)	7 (31.8%)
Total		17 (100.0%)	5 (100.0%)	0 (-)	22 (100.0%)

*Multiple categories may apply to some items.

(2) Details of Studies "Under Promotion" for which Requests & Subsequent Procedures Have Been Decided

There are 9 studies whose actions for materialization have been decided as follows. (Multiple categories apply to some items.) (Table 2-29)

- 1) Request for implementation of subsequent studies: 2 studies
- 2) Request for financial assistance: 9 studies
- 3) Request for Japan's technical cooperation: 4 studies

Table 2-29 Details of Materialization

	M/P+F/S	F/S	D/D	Total
Subsequent Study	1 (7.1%)	1 (20.0%)	0 (-)	2 (10.5%)
Fund Raising	6 (42.9%)	3 (60.0%)	0 (-)	9 (47.4%)
Japanese Technical Cooperation	2 (14.3%)	2 (40.0%)	0 (-)	4 (21.1%)
Others	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)
Number of Studies with "Under Promotion" Status	6 (42.9%)	3 (60.0%)	0 (-)	9 (47.4%)
Total Number of Studies	14 (100.0%)	5 (100.0%)	0 (-)	19 (100.0%)

*Multiple categories may apply to some items.

As shown in Table 2-30, in 9 studies whose actions for materialization have been decided, the formal requests were made and concrete actions were taken within 1 year, although it is difficult to

determine, after the completion of development studies in most of the studies except for unknown cases.

Table 2-30 Years Elapsed from Completion of Development Studies to Determination of the Formal Request/Concrete Actions

ElapsedYear	M/P+F/S	F/S	D/D	Tatal
Less Than 1 Year	2	1	0	3
1 Year	2	2	0	4
2 Year	0	0	0	0
3 Year	0	0	0	0
4 Year	0	0	0	0
5 Year	0	0	0	0
More Than 6 Year	0	0	0	0
Unknown	2	0	0	2
Total	6	3	0	9

(3) Perspectives on Studies “Under Promotion” Whose Actions for Materialization are Under Examination

There are 6 studies whose actions for their materialization are under preparation and examination (Table 2-31). Although multiple items may apply to one study, perspectives are as follows.

- 1) Studies under examination for implementation of subsequent studies: 0
- 2) Studies for which requests for financial assistance are under preparation: 5
- 3) Studies for which requests for Japan’s technical cooperation are under examination: 0
- 4) Others: 0

The requests for financial assistance consist of 3 Japanese ODA loans, 1 International Organization request.

Materialization of development studies are under preparation or examination in 4 M/P+F/S studies (28.6% of the M/P+F/S studies in this category) and 1 F/S studies (20.0%).

Table 2-31 Details of Formal Request/Subsequent Actions which are under Preparation

	M/P+F/S	F/S	D/D	Total
Subsequent Study	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)
Fund Raising	4 (28.6%)	1 (20.0%)	0 (-)	5 (26.3%)
Source of Funding	M/P+F/S	F/S	D/D	合計
Japanese ODA Loan	2	1	0	3
Japanese Grant Aid	0	0	0	0
Japan's EXIM	0	0	0	0
International Organizations	1	0	0	1
Other Donor Countries	0	0	0	0
Own Funds	0	0	0	0
Private Funds	0	0	0	0
Others	0	0	0	0
Unknown	1	0	0	1
Japanese Technical Coopera	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)
Others	0 (0.0%)	0 (0.0%)	0 (-)	0 (0.0%)
Sub-total	4 (28.6%)	1 (20.0%)	0 (-)	5 (26.3%)
Number of Studies in this category	5 (35.7%)	1 (20.0%)	0 (-)	6 (31.6%)
Total Number of Studies	14 (100.0%)	5 (100.0%)	0 (-)	19 (100.0%)

*Multiple categories may apply to some items.

(4) Factors Impeding Procedures for Materialization of Studies “Under Promotion”

Table 2-32 shows the major factors impeding materialization for 7 studies. These factors are 6 studies for “unknown motive”, and 1 study, which shows the clear reason, is for “deterioration of feasibility”, .

Table 2-32 Impeding Factors

	M/P+F/S	F/S	D/D	Total
Difficulty in Fund Procurement from Foreign Countries	0	0	0	0
Political Factor	0	0	0	0
Economic Factor	0	0	0	0
Policy-Related Factor	0	0	0	0
Administrative Factor	0	0	0	0
Lack/Decline of Feasibility	0	1	0	1
Inappropriate Project Scale	0	0	0	0
Postponement of Related Project	0	0	0	0
Deterioration in Civil Order	0	0	0	0
Natural Disaster	0	0	0	0
Others	0	0	0	0
Unknown	6	0	0	6
Total	6	1	0	7
Number of Development Studies	6	1	0	7

(5) Perspectives on Studies “Under Promotion”

As mentioned above, there are 9 studies with “Formal requests/subsequent actions have been decided”. It is expected that these studies will be categorized to the “Under Implementation” status by realizing fund procurement and/or implementing subsequent studies. On the other hand, there are 6 studies classified under “Formal requests/subsequent actions are under preparation”. Formal requests and/or subsequent actions are expected be made for these studies.

2.2.6 Status of Studies “Delayed or Suspended” or “Discontinued or Cancelled”

There are 10 studies which are categorized as “Delayed or Suspended” with a rate of only 13.2% and no study categorized as “Discontinued or Cancelled” out of that for F/S Studies Group (total 76 studies). (Table 2-14)

- 1) Among 52 M/P+F/S studies, there are 3 “Delayed or Suspended”, accounting for 5.8% of the total.
- 2) Among 23 F/S studies, there are 7 “Delayed or Suspended”, accounting for 30.4% of the total.
- 3) Among 1 D/D studies, there is no study has been classified as “Delayed or Suspended”, and “Discontinued or Cancelled”.

F/S studies show the higher rate for “Delayed or Suspended” and “Discontinued or Cancelled”,

compared to other types of studies.

2.2.6.1 Details of Studies “Delayed or Suspended” or “Discontinued or Cancelled”

There are 7 studies out of 10 studies, classified under “Delayed or Suspended”, which have already passed 10 years after the completion, completed in FY 1999. Out of other 9 studies, 4 studies passed 5 years, 2 studies passed 4 years, and 3 studies passed 3 years.

Table 2-33 Years Elapsed after Completion of Development Studies

Elapsed Year	Delayed or Suspended				Discontinued or Cancelled				Total
	M/P+F/S	F/S	D/D	Sub-total	M/P+F/S	F/S	D/D	Sub-total	
1 Year	0	1	0	1	0	0	0	0	1
3 Year	0	2	0	2	0	0	0	0	2
5 Year	0	0	0	0	0	0	0	0	0
10 Year	3	4	0	7	0	0	0	0	7
Total	3	7	0	10	0	0	0	0	10

There are 4 studies which formal requests for subsequent studies or funds procurement or Japanese technical cooperation in 10 “Delayed or Suspended” studies.

Table 2-34 Status of Formal request for the subsequent actions

	Delayed or Suspended				Discontinued or Cancelled				Total
	M/P+F/S	F/S	D/D	Sub-total	M/P+F/S	F/S	D/D	Sub-total	
Formally Requested	3	1	0	4	0	0	0	0	4
No Formal Request	0	6	0	6	0	0	0	0	6
Total	3	7	0	10	0	0	0	0	10

2.2.6.2 Factors Causing Delay, Suspension, Discontinuation or Cancellation

The major obstacles for unrealisation of 10 studies in either “Delayed or Suspended” or “Discontinues or Cancelled” classifications are;

- Difficulty in procuring fund from donor countries
- Political reasons such as a outbreak of a coup
- Policy-related reasons such as decrease in priority in the national development plan and changes in national development policies,
- Administrative reasons such as poor coordination among government agencies and improper implementation systems, and
- Deteriorations in civil orders caused by civil wars and so forth.

Continuity in policies is one of the essential factors for the materialization of development studies. In addition, in developing countries, development policy is often changed with a change in political structure(s) and another obstacle for realizations.

Table 2-35 Factors Causing Studies to be "Delayed or Suspended" and "Discontinued or Cancelled"

	Delayed or Suspended				Discontinued or Cancelled				Total
	M/P+F/S	F/S	D/D	Sub-total	M/P+F/S	F/S	D/D	Sub-total	
Difficulty in Fund Procurement from Foreign Countries	0	1	0	1	0	0	0	0	1
Political Factor	1	2	0	3	0	0	0	0	3
Economic Factor	1	0	0	1	0	0	0	0	1
Policy-Related Factor	0	1	0	1	0	0	0	0	1
Administrative Factor	1	1	0	2	0	0	0	0	2
Lack/Decline of Feasibility	0	0	0	0	0	0	0	0	0
Inappropriate Project Scale	0	0	0	0	0	0	0	0	0
Postponement of Related Project	0	0	0	0	0	0	0	0	0
Deterioration in Civil Order	1	2	0	3	0	0	0	0	3
Natural Disaster	0	0	0	0	0	0	0	0	0
Others	0	2	0	2	0	0	0	0	2
Unknown	0	1	0	1	0	0	0	0	1
Number of Development Studies	3	7	0	10	0	0	0	0	10

*Multiple categories may apply to some items.

2.2.6.3 Perspectives

Formal requests/subsequent actions have already been decided or under preparation for 0 out of 10 “Delayed or Suspended” studies. 0 studies, formal requests/subsequent actions are under preparation, and all 10 studies, formal requests/subsequent actions are undecided or unknown.

Table 2-36 Perspective of "Delayed or Suspended" Studies of F/S Studies

		M/P+F/S	F/S	D/D	Total
Formal requests/subsequent actions have been decided.		0	0	0	0
Formal requests/subsequent actions are under preparation		0	0	0	0
Details of Requests/Actions	Subsequent Studies	0	0	0	0
	Fund Procurement	0	0	0	0
	Japanese Technical Cooperation	0	0	0	0
	Others	0	0	0	0
	Sub-total	0	0	0	0
Formal requests/subsequent actions have not been confirmed		3	7	0	10
Total		3	7	0	10

CHAPTER 3

AN OVERVIEW OF COMPLETED DEVELOPMENT STUDIES (Studies Completed in FY1974 to FY2008)

CHAPTER 3. An Overview of Completed Development Studies

(Studies Completed in FY 1974 – FY2008)

3.1 Trends in Numbers of Completed Studies

Development studies scheme started on August 1, 1974. The total number of the completed development studies had raised and reached at the peak (97 studies) in FY 1999, after which the annual number has settled in a range of around 80. However, from FY 2003, the number of the completed development studies sharply dropped to around 40-60. The number of completed studies in FY2008 is 60.

Table 3-1 Time Trend of Number of Development Studies

Completion Year	Social Development	Agriculture, Forestry and Fisheries Development	Mining and Industrial Development	Total
1974	1	0	1	2
1975	5	0	9	14
1976	9	4	9	22
1977	20	7	15	42
1978	25	7	12	44
1979	24	12	17	53
1980	30	8	20	58
1981	27	9	22	58
1982	34	18	20	72
1983	32	13	21	66
1984	39	15	23	77
1985	39	11	26	76
1986	28	11	23	62
1987	43	11	23	77
1988	30	19	29	78
1989	45	23	16	84
1990	36	23	23	82
1991	31	14	27	72
1992	40	17	20	77
1993	41	12	25	78
1994	42	22	28	92
1995	44	17	28	89
1996	46	14	25	85
1997	35	26	32	93
1998	47	15	22	84
1999	58	10	29	97
2000	45	13	21	79
2001	53	12	17	82
2002	47	18	16	81
2003	35	7	17	59
2004	32	4	6	42
2005	39	10	11	60
2006	28	9	13	50
2007	32	4	10	46
2008	37	6	17	60
Total	1,199 (52.3%)	421 (18.4%)	673 (29.4%)	2,293 (100.0%)

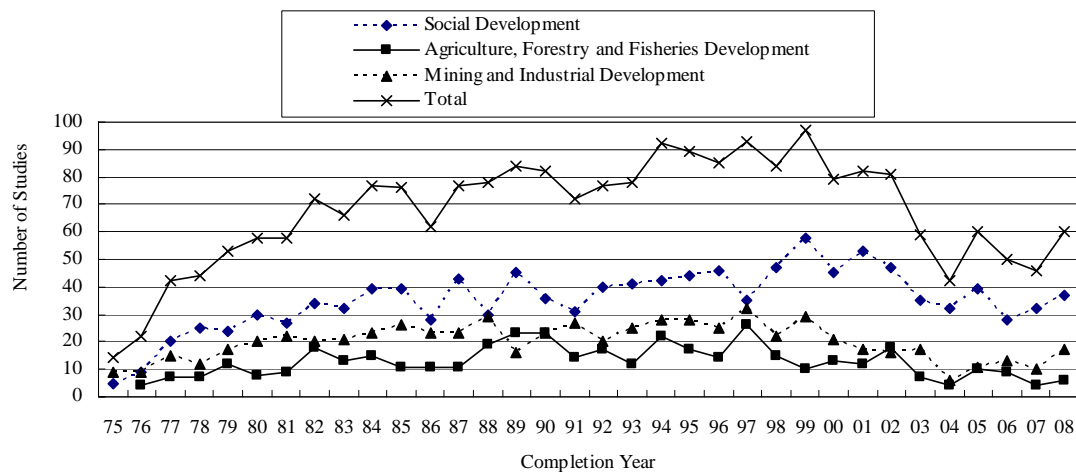


Figure 3-1 Time Trend of Number of Completed Development Studies

3.1.1 Number of Development Studies by Region

In Asia, 1,334 Development Studies (58.2% of the total) were conducted, particularly in the ASEAN countries where 863 studies in cumulative total (37.6% of the total and 64.7% of Asia) were conducted. This is followed in order of study numbers by 344 studies (15.0 %) in Central and South America, 269 studies (11.7%) in Africa, and 246 studies (10.7%) in the Middle East.

Table 3-2 Number of Development Studies by Region

Region	Social Development	Agriculture, Forestry and Fisheries Development	Mining and Industrial Development	Total
Asia	677 (56.5%)	216 (51.3%)	441 (65.5%)	1,334 (58.2%)
ASEAN	474 (39.5%)	147 (34.9%)	242 (36.0%)	863 (37.6%)
Other Asia	203 (16.9%)	69 (16.4%)	199 (29.6%)	471 (20.5%)
Middle East	134 (11.2%)	44 (10.5%)	68 (10.1%)	246 (10.7%)
Africa	140 (11.7%)	75 (17.8%)	54 (8.0%)	269 (11.7%)
Central and South America	183 (15.3%)	76 (18.1%)	85 (12.6%)	344 (15.0%)
Oceania	17 (1.4%)	6 (1.4%)	6 (0.9%)	29 (1.3%)
Europe	35 (2.9%)	4 (1.0%)	19 (2.8%)	58 (2.5%)
Multiple countries	13 (1.1%)	0 (0.0%)	0 (0.0%)	13 (0.6%)
Total	1,199 (100.0%)	421 (100.0%)	673 (100.0%)	2,293 (100.0%)

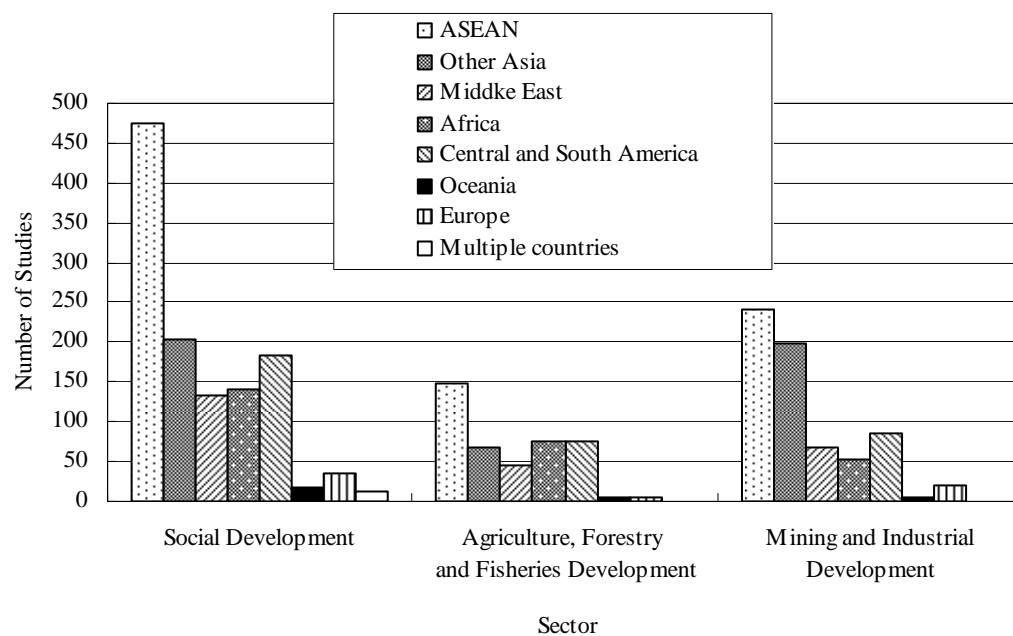


Figure 3-2 Number of Development Studies by Region and Sector

Regarding the numbers of studies in different types in each region, the figures basically show similar trends, except for Oceania and Europe, where few studies were conducted, and F/S studies are followed by M/P studies with respect to the implementation rate. In this regard, however, Basic studies were conducted the most in Africa, China Factory Modernization Studies in Asia and others, and D/D studies in Middle East. The implementation rates in all areas are 35.0% of the total (803 studies) for F/S Study, 32.0% (734 studies) for M/P Study and 17.5% for M/P + F/S Study. (Table 3-3)

Table 3-3 Number of Development Studies by Region and Study Type

Region	M/P	M/P+F/S	F/S	D/D	Basic Studies	Chinese Factory Studies	Others*	Total
Asia	393 (29.5%)	248 (18.6%)	467 (35.0%)	25 (1.9%)	38 (2.8%)	117 (8.8%)	46 (3.4%)	1,334 (100.0%)
ASEAN	286 (33.1%)	176 (20.4%)	330 (38.2%)	19 (2.2%)	24 (2.8%)	0 (0.0%)	28 (3.2%)	863 (100.0%)
Other Asia	107 (22.7%)	72 (15.3%)	137 (29.1%)	6 (1.3%)	14 (3.0%)	117 (24.8%)	18 (3.8%)	471 (100.0%)
Middle East	87 (35.4%)	41 (16.7%)	93 (37.8%)	9 (3.7%)	10 (4.1%)	0 (0.0%)	6 (2.4%)	246 (100.0%)
Africa	102 (37.9%)	30 (11.2%)	94 (34.9%)	3 (1.1%)	33 (12.3%)	0 (0.0%)	7 (2.6%)	269 (100.0%)
Central and South America	116 (33.7%)	59 (17.2%)	124 (36.0%)	3 (0.9%)	34 (9.9%)	0 (0.0%)	8 (2.3%)	344 (100.0%)
Oceania	5 (17.2%)	10 (34.5%)	7 (24.1%)	1 (3.4%)	5 (17.2%)	0 (0.0%)	1 (3.4%)	29 (100.0%)
Europe	28 (48.3%)	12 (20.7%)	15 (25.9%)	0 (0.0%)	2 (3.4%)	0 (0.0%)	1 (1.7%)	58 (100.0%)
Multiple Countries	3 (23.1%)	1 (7.7%)	3 (23.1%)	1 (7.7%)	5 (38.5%)	0 (0.0%)	0 (0.0%)	13 (100.0%)
Total	734 (32.0%)	401 (17.5%)	803 (35.0%)	42 (1.8%)	127 (5.5%)	117 (5.1%)	69 (3.0%)	2,293 (100.0%)

* “Other Studies” is a combination of “Other Studies” from the Social Development and Agriculture, Forestry and Fisheries Development studies, and “Other (M/P-type)” and “Other (F/S-type)” studies from the Mining and Industrial Development studies.

The numbers of studies in the Industrial sector is larger in other Asia, since there are the largest numbers of Chinese Factory Studies which are mostly categorized in the Industrial sector. The Transportation sub-sector is the largest number of studies in ASEAN, Middle East, Central and South America, and Oceania. In Africa, the Social Infrastructure sector and Agricultural sector is the largest. In Europe, the Public Works and Utilities sector is the largest. (Table 3-4)

Regarding the Transportation sub-sector, the Road sub-sub-sector is the largest in ASEAN and Africa, and the Port sub-sub-sector are the largest in Central and South America. Also, the other sector is relatively larger in ASEAN than in other regions.

Table 3-4 Number of Development Studies by Region and Sector

	Planning & Administration	Public works & Utilities								Agriculture, Forestry, and Fishery				Mining & Industry		Energy	Tourism	Human Resource Development	Public Health and Medicine	Social Welfare	Others*	Total
		Public Utilities	Transportation					Social Infrastructure	Communications & Broadcasting	Agriculture	Animal Husbandry	Forestry	Forestry	Mining	Industry							
			Road	Railway	Port	Others	Sub-total															
Asia	67	71	96	37	60	98	291	160	49	184	1	21	12	11	223	163	13	6	8	10	44	1,334
ASEAN	40	48	75	22	41	73	211	115	35	121	0	18	10	5	77	122	11	5	2	6	37	863
Other Asia	27	23	21	15	19	25	80	45	14	63	1	3	2	6	146	41	2	1	6	4	7	471
Middle East	15	20	13	4	15	19	51	33	5	37	1	2	3	1	32	29	6	2	0	3	6	246
Africa	13	16	20	3	6	12	41	47	7	57	0	10	8	4	17	31	3	9	3	1	2	269
Central & South America	26	18	19	10	22	29	80	42	7	49	0	17	10	7	29	44	5	0	1	3	6	344
Oceania	2	3	1	0	4	2	7	3	2	0	0	2	4	1	0	4	0	0	0	0	1	29
Europe	8	10	0	3	2	3	8	6	0	3	0	1	0	3	9	5	1	0	0	0	4	58
Multiple countries	1	0	3	0	0	2	5	4	2	0	0	0	0	0	0	0	0	1	0	0	0	13
Total	132	138	152	57	109	165	483	295	72	330	2	53	37	27	310	276	28	18	12	17	63	2,293

*The “Others” consist of Social Development (1 in Indonesia and 1 in Honduras and 1 in Mali and 1 in Sri Lanka and 1 in Maldives and 1 in Madagascar) and 57 Mining and Industrial Development studies.

3.1.2 Number of Studies by Country

Out of total 2,293 development studies, 863 are classified in ASEAN, which accounts for 37.6% of the total number of studies and it is the highest share in the region (Table 3-3).

The countries, which completed more than 15 development studies in ASEAN are the following 8 countries: Indonesia where 275 studies were completed 12.0% of the total), Philippines (186 studies, 8.1%), Thailand (164, 7.2%), Malaysia (85, 3.7%), Vietnam (61, 2.7%), Cambodia (33, 1.4%), Laos (30, 1.3%), Myanmar (19, 0.8%). There are no countries that have completed more than 15 development studies in Oceania, Europe, and Multiple Countries.

The 24 countries, which completed more than 15 development studies in other region, are the followings:

Other Asia:

China (206 studies (117 Chinese Factory Studies), 9.0% of the total), Sri Lanka (52 studies, 2.3%), Bangladesh (37 studies, 1.6%), Nepal (37 studies, 1.6%), Pakistan (35 studies, 1/5%), Mongolia (24 studies, 1.0%), India (24 studies, 1.0%)

Middle East:

Egypt (55 studies, 2.4%), Turkey (29 studies, 1.3%), Oman (24 studies, 1.0%), Iran (18 studies, 0.8%), Jordan (18 studies, 0.8%), Tunisia (18 studies, 0.8%), Morocco (16, 0.7%), Syria (16, 0.7%)

Africa:

Tanzania (43 studies, 1.9 %), Kenya (36 studies, 1.6 %), Zambia (17, 0.7%)

Central and South America:

Bolivia (31, 1.4%), Mexico (29 studies, 1.3 %), Brazil (29 studies, 1.3%), Colombia (29, 1.3%), Paraguay (28 studies, 1.2%), Argentina (19 studies, 0.9%), Guatemala (19 studies, 0.9%), Honduras (19 studies, 0.8%), Peru (19 studies, 0.8%), Chili (18 studies, 0.8%), Dominican Republic (15, 0.7%)

3.1.3 Number of Studies by Type

Out of total 2,293 development studies (FY1974-FY2008), 803 are classified in F/S studies (35.0%), 734 in M/P (32.0%), 401 in M/P + F/S (17.5%). These 3 types account for over 80% of the total number of studies. (Table 3-5)

As for the number of completed studies on a fiscal year basis, the numbers of M/P had increase to the peak of 41 studies in FY 2001 and tend to be decreasing. However, more than half studies have been M/P studies since FY 2003 and showed the high rate of occupancy. As to the completed studies in FY2008, the number of M/P studies reached record-setting 50, surpassing 80% for the rate of occupancy. Thus M/P studies became the principal type of study. In addition, the number of F/S studies, which accounts for the highest rate in cumulative total, has been decreasing, falling down to 10 and the rate showed less than 10%. The number of M/P + F/S remained at around 20 in 1990's; however, the figure sharply dropped to 7 in FY 2008. As for the Chinese Factories Studies, the number had decreased since FY 1994, and this type of studies was terminated in FY 2001.

Table 3-5 Time Trend of the Number of Development Studies by Type of Study

	M/P	M/P+F/S	F/S	D/D	Basic Studies	Chinese Factory Studies	Others*	Total
1974	0	0	1	0	0	0	1	2
1975	9	0	4	0	0	0	1	14
1976	2	0	17	0	2	0	1	22
1977	7	0	24	2	4	0	5	42
1978	6	2	27	0	7	0	2	44
1979	11	2	31	0	3	0	6	53
1980	12	2	37	3	1	0	3	58
1981	6	5	39	1	3	0	4	58
1982	5	10	38	2	9	3	5	72
1983	9	5	36	0	6	6	4	66
1984	10	6	52	0	3	4	2	77
1985	15	6	40	0	4	8	3	76
1986	11	7	31	1	2	7	3	62
1987	19	6	39	0	4	8	1	77
1988	14	9	36	1	5	8	5	78
1989	17	21	37	1	2	4	2	84
1990	14	14	40	1	5	8	0	82
1991	23	8	30	1	2	7	1	72
1992	20	17	28	1	7	4	0	77
1993	24	20	23	2	4	5	0	78
1994	23	22	30	1	3	9	4	92
1995	32	22	23	0	4	7	1	89
1996	31	20	20	4	2	8	0	85
1997	25	24	27	2	5	7	3	93
1998	29	26	18	0	4	6	1	84
1999	38	27	22	1	5	4	0	97
2000	37	13	15	9	4	1	0	79
2001	41	23	9	1	5	3	0	82
2002	36	24	11	3	5	0	2	81
2003	31	15	5	2	1	0	5	59
2004	30	6	1	0	5	0	0	42
2005	39	14	2	3	1	0	1	60
2006	30	12	4	0	4	0	0	50
2007	28	6	3	0	6	0	3	46
2008	50	7	3	0	0	0	0	60
Total	734	401	803	42	127	117	69	2,293
	(32.0%)	(17.5%)	(35.0%)	(1.8%)	(5.5%)	(5.1%)	(3.0%)	(100.0%)

* "Others" is a combination of "Other Studies" from social development and agriculture, forestry and fisheries development studies, and "Other (M/P-type and F/S-type) studies" from mining and industrial development studies.

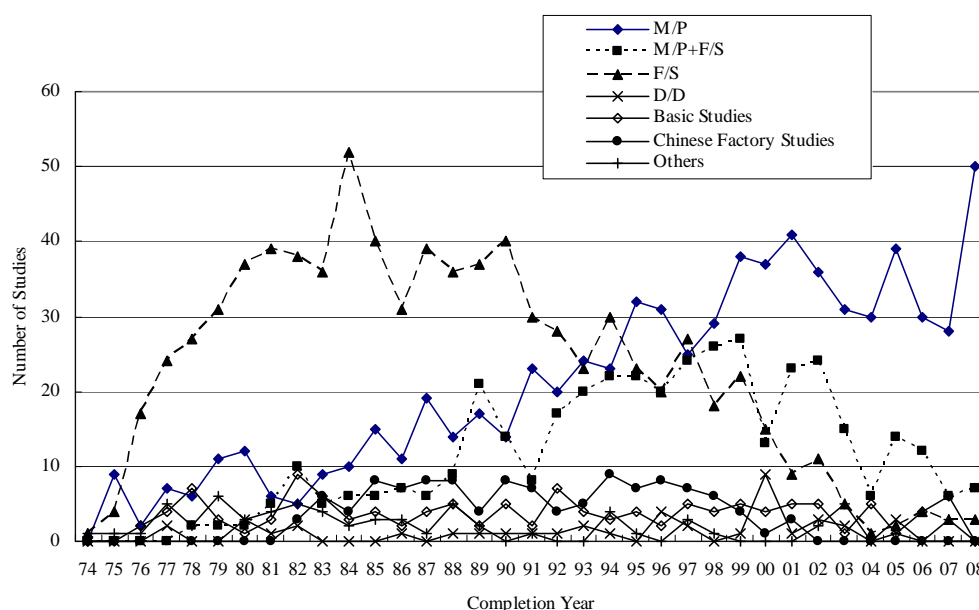


Figure 3-3 Time Trend of Number of Development Studies by Type of Study

3.1.4 Number of Studies by Sector

There are 132 studies in the Planning and Administration sector, accounting for 5.8% of the total. There are 988 studies in the Public Works and Utilities sector (43.1%), 28 in the Commerce & Tourism sector (1.2%), 18 in the Human Resources Development sector (0.8%), and 12 in the Health and Medical Care (0.5%), 17 in the Social Welfare (0.7%), 422 in the Agriculture, Forestry and Fishery sector (18.4%), 337 in the Mining and Industry sector (14.7%), and 276 in the Energy sector (12.0%). Mining and Industrial Development areas include 117 Chinese Factory Modernization Studies of which 115 studies are classified as the Industry sector.

The largest sub-sector in the Public Works and Utilities sector is the Transportation, which has carried out 483 studies accounting for 21.1% of the total followed by the Social Infrastructure (295 studies, 12.9%). The largest sub-sector in the Agriculture, Forestry and Fishery sector is the Agriculture sub-sub-sector, which has carried out 330 studies (14.4% of the total).

3.1.4.1 Number of Studies by Main Sectors

M/P studies include 375 Social Development studies accounting for 51.1% of the total M/P studies. There are 121 Agriculture, Forestry and Fishery Development studies (16.5%), and 197 Mining and Industrial Development studies (26.8%). F/S includes 336 Social Development studies (41.8% of total F/S), 188 Agriculture, Forestry and Fishery Development studies (23.4%), and 271 Mining and Industrial Development studies (33.7%). M/P + F/S studies include 332 Social Development studies,

which account for 82.8% of the total of this category, and 68 Agriculture, Forestry and Fishery

Development studies (17.0%), and 0 Mining and Industrial Development studies (0.0%). Social development is the largest sector in all types of study.

Regarding the study types of M/P + F/S, F/S, and D/D, the Transportation is the largest sub-sector. As shown in the Table 3-6, the Transportation studies are mostly related to the studies on the hard oriented infrastructure.

As a nature of each study, the basic study focuses on social infrastructures, and the Chinese Factory Modernization Studies focuses on industrial studies.

Table 3-6 Number of Development Study by Sector and Type of Study

			M/P	M/P+F/S	F/S	D/D	Basic Studies	Chinese Factory Studies	Other Studies *1	Total	
Social Development	Planning & Administration		108 (14.7%)	19 (4.7%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4 (5.8%)	132 (5.8%)	
	Public works & Utilities	Public Utilities	17 (2.3%)	74 (18.5%)	39 (4.9%)	7 (16.7%)	1 (0.8%)	0 (0.0%)	0 (0.0%)	138 (6.0%)	
		Transportation	Road	23 (3.1%)	24 (6.0%)	88 (11.0%)	10 (23.8%)	2 (1.6%)	0 (0.0%)	5 (7.2%)	152 (6.6%)
			Railways	11 (1.5%)	6 (1.5%)	32 (4.0%)	2 (4.8%)	1 (0.8%)	0 (0.0%)	5 (7.2%)	57 (2.5%)
			Port	15 (2.0%)	53 (13.2%)	32 (4.0%)	4 (9.5%)	0 (0.0%)	0 (0.0%)	5 (7.2%)	109 (4.8%)
			Others	62 (8.4%)	38 (9.5%)	50 (6.2%)	6 (14.3%)	2 (1.6%)	0 (0.0%)	7 (10.1%)	165 (7.2%)
			Sub-total	111 (15.1%)	121 (30.2%)	202 (25.2%)	22 (52.4%)	5 (3.9%)	0 (0.0%)	22 (31.9%)	483 (21.1%)
		Social Infrastructure	74 (10.1%)	84 (20.9%)	55 (6.8%)	5 (11.9%)	66 (52.0%)	0 (0.0%)	11 (15.9%)	295 (12.9%)	
		Communication & Broadcasting	16 (2.2%)	15 (3.7%)	36 (4.5%)	3 (7.1%)	2 (1.6%)	0 (0.0%)	0 (0.0%)	72 (3.1%)	
	Sub-total	218 (29.7%)	294 (73.3%)	332 (41.3%)	37 (88.1%)	74 (58.3%)	0 (0.0%)	33 (47.8%)	988 (43.1%)		
	Commerce & Tourism		13 (1.8%)	10 (2.5%)	3 (0.4%)	1 (2.4%)	0 (0.0%)	0 (0.0%)	1 (1.4%)	28 (1.2%)	
	Human resource Management		16 (2.2%)	1 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (1.4%)	18 (0.8%)	
	Public Health & Medical Care		11 (1.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.8%)	0 (0.0%)	0 (0.0%)	12 (0.5%)	
	Social Welfare		9 (1.2%)	8 (2.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	17 (0.7%)	
	Sub-total		375 (51.1%)	332 (82.8%)	336 (41.8%)	38 (90.5%)	75 (59.1%)	0 (0.0%)	39 (56.5%)	1,195 (52.1%)	
Agriculture, Forestry & Fishery Development	Agriculture, Forestry & Fishery	Agriculture	92 (12.5%)	56 (14.0%)	170 (21.2%)	3 (7.1%)	8 (6.3%)	0 (0.0%)	1 (1.4%)	330 (14.4%)	
		Livestock	0 (0.0%)	1 (0.2%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.1%)	
		Forestry	20 (2.7%)	5 (1.2%)	10 (1.2%)	0 (0.0%)	16 (12.6%)	0 (0.0%)	2 (2.9%)	53 (2.3%)	
		Fishery	9 (1.2%)	6 (1.5%)	7 (0.9%)	1 (2.4%)	12 (9.4%)	0 (0.0%)	2 (2.9%)	37 (1.6%)	
	Sub-total		121 (16.5%)	68 (17.0%)	188 (23.4%)	4 (9.5%)	36 (28.3%)	0 (0.0%)	5 (7.2%)	422 (18.4%)	
Mining & Industrial Development	Mining & Industry	Mining	15 (2.0%)	0 (0.0%)	10 (1.2%)	0 (0.0%)	2 (1.6%)	0 (0.0%)	0 (0.0%)	27 (1.2%)	
		Industry	97 (13.2%)	0 (0.0%)	92 (11.5%)	0 (0.0%)	0 (0.0%)	115 (98.3%)	6 (8.7%)	310 (13.5%)	
		sub-total	112 (15.3%)	0 (0.0%)	102 (12.7%)	0 (0.0%)	2 (1.6%)	115 (98.3%)	6 (8.7%)	337 (14.7%)	
	Energy	85 (11.6%)	0 (0.0%)	169 (21.0%)	0 (0.0%)	13 (10.2%)	0 (0.0%)	9 (13.0%)	276 (12.0%)		
	Sub-total		197 (26.8%)	0 (0.0%)	271 (33.7%)	0 (0.0%)	15 (11.8%)	115 (98.3%)	15 (21.7%)	613 (26.7%)	
Others *2		41 (5.6%)	1 (0.2%)	8 (1.0%)	0 (0.0%)	1 (0.8%)	2 (1.7%)	10 (14.5%)	63 (2.7%)		
Total		734 (100.0%)	401 (100.0%)	803 (100.0%)	42 (100.0%)	127 (100.0%)	117 (100.0%)	69 (100.0%)	2,293 (100.0%)		

*1 “Others” is a combination of “Other Studies” from Social Development and Agriculture, Forestry and Fisheries Development studies, and “Other (M/P-type and F/S-type) studies” from Mining and Industrial Development studies.

*2 “Others” consists of 6 Social Development and 57 Mining and Industrial Development studies.(M/P:3, M/P+F/S:1, F/S:1, Basic Study:1)

3.1.4.2 Trends in Major Sub-sectors

(1) Transportation

The Transportation sub-sector is further classified into 9 sub-sub-sectors, with 483 studies

conducted over the last 35 years. There are particularly large numbers of studies in 3 sub-sub-sectors: 152 studies in Road (31.5 %); 109 in Ports (22.6%); and 57 in Railway (11.8%). These 3 sub-sub-sectors account for more than 65% of the total studies in this sub-sector. The Urban Transportation and the Air Transportation & Airport sub-sub-sectors follow these with 52 and 44 studies respectively.

Table 3-7 Transportation

Sub-sector	Number of Studies
Road	152 (31.5%)
Ports and Harbors	109 (22.6%)
Railway	57 (11.8%)
Urban Transportation	52 (10.8%)
Air Transportation & Airport	44 (9.1%)
Marine Transportation & Ships	34 (7.0%)
Transportation in General	23 (4.8%)
Land Transportation	6 (1.2%)
Meteorology & Seismology	6 (1.2%)
Total	483 (100.0%)

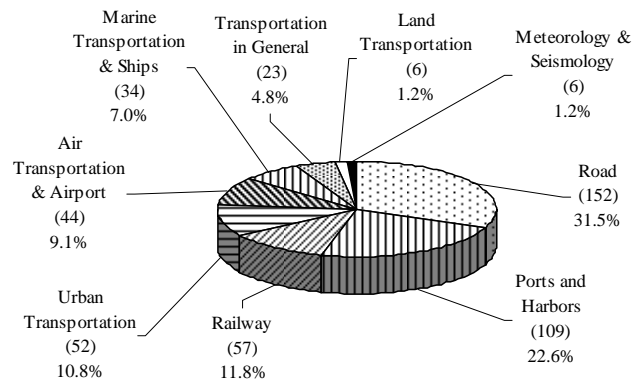


Fig. 3-4 Transportation (%)

(2) Social Infrastructure

The Social Infrastructure sub-sector comprises 6 sub-sub-sectors, with 295 studies conducted in the last 35 years. Among these sub-sectors, the studies are concentrated in two sub-sub-sectors: 115 in the Water Resources development (39.0%) and 86 in the River & Erosion Control (29.2%). These two sub-sub-sectors account for about nearly 70.0% of the total studies in this sub-sector.

Table 3-8 Social Infrastructure

Sub-sector	Number of Studies
Water Resource Management	115 (39.0%)
River & Erosion Control	86 (29.2%)
Survey & Mapping	52 (17.6%)
Urban Planning & Land Development	20 (6.8%)
Architecture & Housing	10 (3.4%)
(Social Infrastructure in)General	12 (4.1%)
total	295 (100.0%)

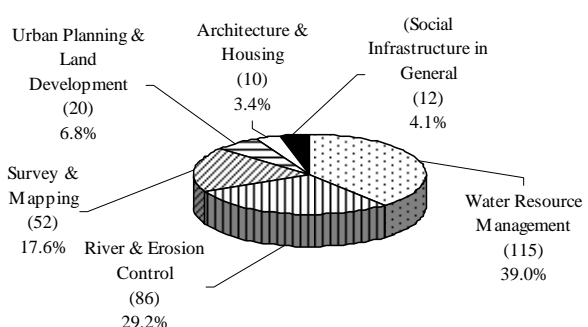


Fig. 3-5 Social Infrastructure (%)

(3) Public Utilities

The Public Utilities sub-sector is divided into 4 sub-sub-sectors, with 138 studies carried out over the last 35 years. There are 56 studies (40.6%) in the Water Supply, 38 studies (27.5%) in the Urban Sanitation, and 34 studies (24.6%) in the Sewerage.

Table 3-9 Public Utilities

Sub-sector	Number of Studies	
Water Supply	56	(40.6%)
Urban Sanitation	38	(27.5%)
Sewarage	34	(24.6%)
(Public Utilities in) General	10	(7.2%)
Total	138	(100.0%)

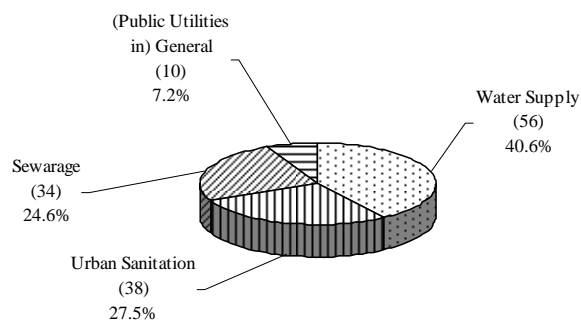


Fig. 3-6 Public Utilities (%)

(4) Agriculture

The Agriculture sub-sector is classified into 6 sub-sub-sectors. Over the last 35 years, 330 studies have been conducted, of which 280 (84.8% of the Agriculture sub-sector) are in the Agriculture in General. No study has been carried out in the Sericulture, the Increase of Food Production, and the Agricultural Machinery sub-sub-sectors.

Table 3-10 Agriculture

Sub-sector	Number of Studies	
(Agriculture in) General	280	(84.8%)
Agricultural Engineering	42	(12.7%)
Agricultural Processing	8	(2.4%)
Sericulture	0	(0.0%)
Agricultural Machinery	0	(0.0%)
Increase of Food Production	0	(0.0%)
Total	330	(100.0%)

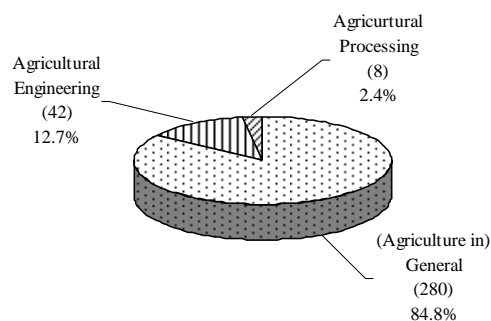


Fig. 3-7 Agriculture (%)

(5) Livestock

The Livestock sub-sector is classified into 3 sub-sub-sectors. Over the last 35 years, only 2 studies (one in the Livestock and one in the Livestock Processing) have been conducted. (Table 3-11)

(6) Forestry

The Forestry sub-sector is divided into 2 sub-sub-sectors. All 53 studies in the Forestry sub-sector over the last 35 years are classified under the Forestry & Forestry Conservation.

(7) Fishery

The Fishery sub-sector is also composed of 2 sub-sub-sectors. All 37 studies in the last 35 years are categorized in the Fishery sub-sub-sector, and no study has been conducted in the Fishery Processing.

Table 3-11 Livestock, Forestry, and Fishery

Sector	Livestock				Forestry			Fishery		
	Livestock	Livestock Processing	Livestock Hygiene	Sub-total	Forestry, Forest Conservatio	Forestry Processing	Sub-total	Fishery	Fishery Processing	Sub-total
Number or Studies	1 (50.0%)	1 (50.0%)	0 (0.0%)	2 (100.0%)	53 (100.0%)	0 (0.0%)	53 (100.0%)	37 (100.0%)	0 (0.0%)	37 (100.0%)

(8) Industry

Over the last 35years, 310 studies have been carried out in the Industry sub-sector. There are large number of studies in 3 sub-sub-sectors: 91 studies in the Industry in General (29.4% of the total), 81 in the Machine Industry (26.1%) and 60 in the Chemical Industry (19.4%). These 3 sub-sub-sectors account for about 75% of the total studies in this sub-sector.

Table 3-12 Industry

Sub-sector	Number of Studies	
(Industry in) General	91	(29.4%)
Machine Industry	81	(26.1%)
Chemical Industry	60	(19.4%)
Other Industries	47	(15.2%)
Steel & Nonferous Metals	31	(10.0%)
Textile Industry	0	(0.0%)
Pulp & Forestry Products	0	(0.0%)
Food Industry	0	(0.0%)
Total	310	(100.0%)

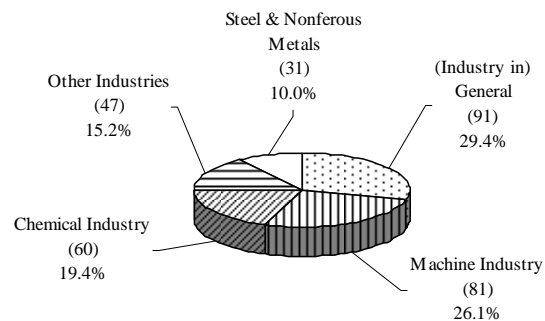


Fig. 3-8 Industry (%)

(9) Mining

Mining is the only sub-sub sector in this sector and 27 studies have been carried out over the last 35 years.

Table 3-13 Mining

Sub-sector	Number of Studies	
Mining	27	(100.0%)
Total	27	(100.0%)

(10) Energy

The Energy sub-sector comprises 5 sub-sub-sectors. Over the last 35 years, 276 studies have been conducted. Among them, 167 studies (60.5%) were carried out in the Electric Power sub-sub-sector, and 48 studies in the Energy in General (17.4%) and 29 studies in the Gas and Oil (10.5%).

Table 3-14 Energy

Sub-sector	Number of Studies
Electric Power	167 (60.5%)
(Energy in) General	48 (17.4%)
Gas & Oil	29 (10.5%)
New & Recycled Energy	32 (11.6%)
Other Energies	0 (0.0%)
Total	276 (100.0%)

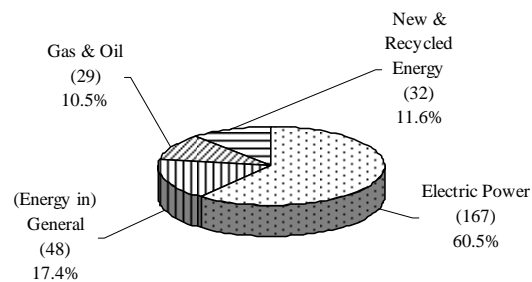


Fig. 3-9 Energy (%)

3.1.4.3 Study Expense

Table 3-15 shows study expenses of the last 6 years. The number of studies completed and study expenses had considerably decreased after 2003. On the other hand, the average study expenses have been around 300 million yen and fell to less than 300 million yen in 2007, and more severely to less than 250 million yen in 2008, which show the trend of scale-down¹.

Table 3-15 Sum and Average Study Expense by Region and Sub-sector

(Unit:1,000JPY)			
Year	Number of Studies	Expense	Avg. Expense
2003	59	18,589,164	315,071
2004	42	16,710,526	397,870
2005	60	23,148,795	385,813
2006	50	15,285,254	305,705
2007	46	12,789,158	278,025
2008	60	14,877,438	247,957
Total	317	101,400,335	319,875

3.2 Overview of M/P Studies Group

Based on Table 1-5 “Status for M/P Studies Group”, the present status of the utilization of development studies in the M/P studies group is classified into 3 categories: “In Progress or In Use”, “Delayed”, and “Discontinued or Cancelled”.

The studies in the M/P studies group are evaluated by “utilization rate,” which is calculated as “(the number of studies in progress or in use) / (the total number of studies) X 100”. They are

¹Since information of study expenses is missing for a few projects, “Expense” in Table 3-15 shows only accumulated figures. Therefore, “Avg. Expense” might not show accurate figures. However, “Avg. Expense” gives a rough picture of chronological changes in the past 7 years.

classified into “In Progress or In Use” if 1) a proposed project has been either implemented or completed after the fund(s) have been procured, or 2) the study findings are incorporated into the development policy or plan of the recipient country.

Out of 2,293 completed development studies, 1038 studies are in the M/P studies group. Regarding completed studies, 459 out of 491 studies in the M/P studies group of the Social Development area are classified as “In Progress or In Use” and the utilization rate is 93.5%. In the Agriculture, Forestry and Fishery Development area, 154 out of 161 completed studies are classified as “In Progress or In Use”(the utilization rate 95.7%). In the Mining and Industry Development area, 317 out of 386 studies are “In Progress or In Use” (82.1%).

It can be concluded that the results of the development studies have been well utilized by recipient countries.

Table 3-16 Utilization Rate by Category of Development Study

Present Status	Social Development	Agriculture, Forestry and Fisheries	Mining and Industrial Development	Total
In Progress or In Use (Utilization Rate)	459 (93.5%)	154 (95.7%)	317 (82.1%)	930 (89.6%)
Delayed (Rate)	14 (2.9%)	4 (2.5%)	49 (12.7%)	67 (6.5%)
Discontinued or Cancelled (Rate)	18 (3.7%)	3 (1.9%)	20 (5.2%)	41 (3.9%)
Total (Rate)	491 (100.0%)	161 (100.0%)	386 (100.0%)	1,038 (100.0%)

3.2.1 Utilization Rates by Region

In this section, the utilization rate is analyzed by region. In reviewing the utilization rate for the M/P studies and others by regions, Europe shows the highest rate though the number of studies itself are small. Following this, the utilization rate in the ASEAN region is 94.3%. Furthermore, the Central and South America, the rate is 90.1% followed by Africa (87.7%), Other Asia (85.6%) and Middle East (83.7% .

The rates of Oceania, Europe, and multiple countries need to be carefully examined for their sensitive fluctuation extent of utilization rate due to the small number of completed studies.

Table 3-17 Utilization Rate by Region

Present Status	Asia			Middle East	Africa	Central & South America	Oceania	Europe	Multiple Countries	Total
	ASEAN	Other Asia	Sub total							
In Progress or In Use (Utilization Rate)	314 (93.2%)	214 (85.9%)	528 (90.1%)	87 (84.5%)	126 (88.7%)	142 (90.4%)	10 (90.9%)	29 (93.5%)	8 (100.0%)	930 (89.6%)
Delayed (Rate)	12 (3.6%)	29 (11.6%)	41 (7.0%)	9 (8.7%)	8 (5.6%)	7 (4.5%)	0 (0.0%)	2 (6.5%)	0 (0.0%)	67 (6.5%)
Discontinued or Cancelled (Rate)	11 (3.3%)	6 (2.4%)	17 (2.9%)	7 (6.8%)	8 (5.6%)	8 (5.1%)	1 (9.1%)	0 (0.0%)	0 (0.0%)	41 (3.9%)
Total	337	249	586	103	142	157	11	31	8	1,038

3.2.2 Utilization Rates by Country

As shown in the Table 3-17, the utilization rate of M/P Studies Group in the ASEAN region is 94.2%, which is the second highest of all the regions and the highest in the principal regions. The countries, which completed more than 10 M/P Studies Group in ASEAN and their utilization rates are; Indonesia (101 completed M/P Studies Group, the utilization rate of 95.0%), Philippines (72, 88.9%), Thailand (60, 93.3%), Malaysia (34, 97.1%), Vietnam (30, 96.7%), Laos (14, 100.0%), and Cambodia (14, 85.7%).

The 19 countries, which completed more than 10 M/P Studies Group in other region and their utilization rates, are as follows: It should be remarked that the utilization rate of most countries listed above is over 85%. There are no countries that have completed more than 10 M/P Studies Group in Oceania, Europe, and Multiple Countries.

Other Asia:

China (151 completed M/P Studies Group, the utilization rate of 83.4%), Sri Lanka (22, 100.0%), Mongolia (12, 91.7%), Nepal (11, 90.9%), Pakistan (10, 90.0%)

Middle East:

Oman (15, 86.7%), Egypt (13, 84.6%), Iran (11, 100.0%), Tunisia (10, 90.0%)

Africa:

Kenya (18, 94.4%), Tanzania (21, 90.5%), Malawi (10, 90.0%)

Central and South America:

Mexico (17, 82.4%), Colombia (17, 88.2%), Brazil (15, 86.7%), Paraguay (14, 92.9%), Argentina (14, 100%), Bolivia (14, 92.9%), Chili (10, 100.0%)

3.2.3 Utilization Rates by Study Type

For M/P, 671 out of 734 studies are well utilized, and the utilization rate is 91.4%, which is the highest in the M/P Studies Group. For the Basic Studies, 116 out of 127 studies are “In Progress or In Use” (91.3 %). The utilization rate for the Chinese Factory Study is 79.5%, and the rate for other studies is 83.3%. Thus, it can be concluded that the results of the development studies have been well utilized in all types of study.

Table 3-18 Utilization Rate by Study Type

Present Status	M/P	Basic Study	Chinese Factory Studies	Others *	Total
In Progress or In Use (Utilization Rate)	671 (91.4%)	116 (91.3%)	93 (79.5%)	50 (83.3%)	930 (89.6%)
Delayed (Rate)	39 (5.3%)	5 (3.9%)	21 (17.9%)	2 (3.3%)	67 (6.5%)
Discontinued or Cancelled (Rate)	24 (3.3%)	6 (4.7%)	3 (2.6%)	8 (13.3%)	41 (3.9%)
Total	734	127	117	60	1,038

* Others consist of "Other Studies" from Social Development, Agriculture, Forestry and Fishery Development, and Mining and Industrial Development studies; and "Other (M/P-type) Studies" from Mining and Industrial Development studies.

3.2.4 Utilization Rates by Sector

As shown in the Table 3-19, out of 1038 completed studies in the M/P Studies Group, 489 are in the Social Development area, 162 are in the Agriculture, Forestry and Fishery Development area, 333 are in the Mining and Industrial Development area and 54 are in the Others area. The utilization rates are 93.5%, 95.7%, 80.8%, and 90.7% respectively.

For the Public Works and Utilities sector, which is the largest sector in the Social Infrastructure area, 298 out of 325 studies are "In Progress or In use" (the utilization rate of 91.7%). For the Agriculture, Forestry, and Fishery sector in the Agriculture, Forestry, and Fishery Development area, 155 out of 162 studies are "In Progress or In use" (the utilization rate of 95.7%). For the Mining and Industrial in the Mining and Industrial Development area, 190 out of 232 studies are "In Progress or In use" (the utilization rate of 81.9%), which is slightly lower than other sector.

In the Social Infrastructure sub-sector, which is the largest sub-sector of the Social Development area, 137 out of 151 studies are "In Progress or In Use" (the utilization rate of 90.7%). In the Agriculture sub-sector, 98 of 101 studies are "In Progress or In Use" (97.0%). The largest sub-sector in the Mining and Industrial development area is the Industry sub-sector where 175 out of 215 studies are "In Progress or In Use" with the utilization rate of 81.4%. This is slightly lower than the other sectors, as the comparison at the level of large sector.

Table 3-19 Utilization Rate by Sector

Present Status	Social Development														
	Planning & Administration	Public Works & Utilities									Tourism	Human Resource Development	Public Health & Medicine	Social Welfare	Sub-total
		Public Utilities	Transportation					Social Infrastructure	Communication & Broadcasting	Sub-total					
			Road	Railways	Port	Others	Sub-total								
In Progress or In Use (Utilization Rate)	108 (96.4%)	17 (94.4%)	29 (96.7%)	16 (94.1%)	17 (85.0%)	65 (91.5%)	127 (92.0%)	137 (90.7%)	17 (94.4%)	298 (91.7%)	13 (92.9%)	17 (100.0%)	12 (100.0%)	9 (100.0%)	457 (93.5%)
Delayed (Rate)	3 (2.7%)	1 (5.6%)	0 (0.0%)	0 (0.0%)	1 (5.0%)	3 (4.2%)	4 (2.9%)	5 (3.3%)	0 (0.0%)	10 (3.1%)	1 (7.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	14 (2.9%)
Discontinued or Cancelled (Rate)	1 (0.9%)	0 (0.0%)	1 (3.3%)	1 (5.9%)	2 (10.0%)	3 (4.2%)	7 (5.1%)	9 (6.0%)	1 (5.6%)	17 (5.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	18 (3.7%)
Total	112 (100.0%)	18 (100.0%)	30 (100.0%)	17 (100.0%)	20 (100.0%)	71 (100.0%)	138 (100.0%)	151 (100.0%)	18 (100.0%)	325 (100.0%)	14 (100.0%)	17 (100.0%)	12 (100.0%)	9 (100.0%)	489 (100.0%)

Present Status	Agriculture, Forestry & Fishery Development					Mining & Industry Development					Others *	Total	
	Agriculture, Forestry & Fishery					Mining & Industry			Energy	Sub-total			
	Agriculture	Livestock	Forestry	Fishery	Sub-total	Mining	Industry	Sub-total					
In Progress or In Use (Utilization Rate)	98 (97.0%)	0 (-)	36 (94.7%)	21 (91.3%)	155 (95.7%)	15 (88.2%)	175 (81.4%)	190 (81.9%)	79 (78.2%)	269 (80.8%)	49 (90.7%)	930 (89.6%)	
Delayed (Rate)	3 (3.0%)	0 (-)	1 (2.6%)	0 (0.0%)	4 (2.5%)	1 (5.9%)	30 (14.0%)	31 (13.4%)	15 (14.9%)	46 (13.8%)	3 (5.6%)	67 (6.5%)	
Discontinued or Cancelled (Rate)	0 (0.0%)	0 (-)	1 (2.6%)	2 (8.7%)	3 (1.9%)	1 (5.9%)	10 (4.7%)	11 (4.7%)	7 (6.9%)	18 (5.4%)	2 (3.7%)	41 (3.9%)	
Total	101 (100.0%)	0 (-)	38 (100.0%)	23 (100.0%)	162 (100.0%)	17 (100.0%)	215 (100.0%)	232 (100.0%)	101 (100.0%)	333 (100.0%)	54 (100.0%)	1,038 (100.0%)	

3.3 Overview of F/S Studies Group

Based on Table 1-5 “Status for F/S Studies Group”, the status of development studies in the F/S studies group is classified into 4 categories; “Completed or in Progress”, “Under Promotion”, “Delayed or Suspended”, and “Discontinued or Cancelled”.

The studies in the F/S Studies Group are evaluated by the “realization rate”. The realization rate is calculated as the rate of projects either completed or being implemented against all the proposed projects.

Out of the total 2,293 development studies completed, 1,255 studies are classified as the F/S Studies Group. In the Social Development area, the 510 of 708 studies are “Completed or In Progress” with the realization rate of 72.0%. In the Agriculture, Forestry and Fishery development area, the 162 out of 260 studies are “Completed or In Progress” with the realization rate of 62.3%. In the Mining and Industry development area, the 117 out of 287 studies are “Completed or In Progress” with the realization rate of 40.8%.

Table 3-20 Realization Rate by Sector

Present Status		Social Development	Agriculture, Forestry and Fisheries Development	Mining and Industrial Development	Total
Completed or In Progress	Completed	181	61	68	310
	Partially Completed	162	48	15	225
	Under Implementation	122	41	19	182
	In Process	45	12	15	72
	Sub-Total (Rate of Realization)	510 (72.0%)	162 (62.3%)	117 (40.8%)	789 (62.9%)
Under Promotion (Rate)		100 (14.1%)	47 (18.1%)	29 (10.1%)	176 (14.0%)
Delayed or Suspended (Rate)		43 (6.1%)	22 (8.5%)	91 (31.7%)	156 (12.4%)
Discontinued or Cancelled (Rate)		55 (7.8%)	29 (11.2%)	50 (17.4%)	134 (10.7%)
Total		708 (100.0%)	260 (100.0%)	287 (100.0%)	1,255 (100.0%)

3.3.1 Realization Rates by Region

The realization rate in Asia is 67.0%, which is higher than the average utilization rate of 62.9% of all studies in the F/S Studies Group. Asia shows high realization rate as is evident from 66.9% in ASEAN and 67.1% in Other Asia.. In other principal regions, the Middle East shows 65.0%, which is as almost same as Asia. On the other hand, Africa (52.8%), and Central and South America (52.9%) show lower rate by 15 points compared to Asia.

Looking into the un-realized studies in Africa and Central and South America, the rate for "Delayed or Suspended" in Africa is nearly 9 points higher than the average rate while the rate for "Under Promotion" in Central and South America is more than 6 points higher. Therefore, it is possible to foresee that more un-realized studies in Central and South America may shortly shift to the realized-one more than in Africa in the future, even though the current realization rate of Africa is higher than Central and South America.

The realization rates of Oceania, Europe, and multiple countries are not analyzed because few development studies have been conducted in these regions.

Table 3-21 Realization Rate by Region

Present Status		Asia			Middle East	Africa	Central & South America	Oceania	Europe	Multiple Countries	Total
		ASEAN	Other Asia	Sub-total							
Completed or In Progress	Completed	157	56	213	28	36	28	4	1	0	310
	Partially Completed	92	45	137	28	17	32	3	7	1	225
	Under Implementation	71	37	108	27	10	28	1	6	2	182
	In Process	32	11	43	10	4	11	0	3	1	72
	Sub-Total (Rate of Realization)	352 (66.9%)	149 (67.1%)	501 (67.0%)	93 (65.0%)	67 (52.8%)	99 (52.9%)	8 (44.4%)	17 (63.0%)	4 (80.0%)	789 (62.9%)
Under Promotion		62	32	94	18	18	39	3	4	0	176
(Rate)		(11.8%)	(14.4%)	(12.6%)	(12.6%)	(14.2%)	(20.9%)	(16.7%)	(14.8%)	(0.0%)	(14.0%)
Delayed or Suspended		45	28	73	22	27	25	3	6	0	156
(Rate)		(8.6%)	(12.6%)	(9.8%)	(15.4%)	(21.3%)	(13.4%)	(16.7%)	(22.2%)	(0.0%)	(12.4%)
Discontinued or Cancelled		67	13	80	10	15	24	4	0	1	134
(Rate)		(12.7%)	(5.9%)	(10.7%)	(7.0%)	(11.8%)	(12.8%)	(22.2%)	(0.0%)	(20.0%)	(10.7%)
Total		526 (100.0%)	222 (100.0%)	748 (100.0%)	143 (100.0%)	127 (100.0%)	187 (100.0%)	18 (100.0%)	27 (100.0%)	5 (100.0%)	1,255 (100.0%)

3.3.2 Realization Rates by Country

As shown in the Table 3-21, the realization rate of F/S Studies Group in the ASEAN region is 66.9%, which is the highest of all the regions. The countries, which completed more than 10 F/S Studies Group in ASEAN and their realization rates are; Indonesia (174 completed F/S Studies Group, the realization rate of 63.8%), Philippines (114, 63.2%), Thailand (104, 71.2%), Malaysia (51, 64.7%), Vietnam (31, 80.6%), Cambodia (19, 78.9%), Laos (16, 81.3%), and Myanmar (13, 53.8%) .

The countries, which completed more than 10 F/S Studies Group in other region and their realization rates, are as follows:

Other Asia:

China (55 completed F/S Studies Group, the realization rate of 76.4%), Bangladesh (29, 65.5%), Sri Lanka (30, 80.0%), Pakistan (25, 56.0%), Nepal (26, 50.0%), India (19, 42.1%), Mongolia (12, 91.7%),

Middle East:

Egypt (42, 73.8%), Turkey (21, 61.9%), Syria (11, 63.6%)

Africa:

Tanzania (22, 72.7%), Kenya (18, 50.0%)

Central and South America:

Bolivia (17, 64.7%), Paraguay (14, 71.4%), Brazil (14, 64.3%), Peru (13, 46.2%), Guatemala (12, 58.3%), Mexico (12, 58.3%), Colombia (12, 58.3%), Dominican Republic (11, 72.7%), Honduras (11, 36.4%), Ecuador (10, 30.0%), Panama (10, 60.0%)

3.3.3 Realization Rates by Study Type

Out of 42 D/D studies, 33 study have been classified as “Completed or In Progress” with the realization rate of 78.6%, which is the highest in the F/S Studies Group. Due to the nature of D/D studies, such as producing detailed designs for project implementations, the realization rate is

relatively high.

Out of 401 M/P + F/S studies, 280 studies are “Completed or In Progress” with the realization rate of 69.8%. Also, the rate of "Under Promotion" of M/P+F/S is 21.4% which is nearly 7 points higher than the average rate of its F/S Studies Group (14.0%).

Out of 812 completed F/S studies, 476 studies are “Completed or In Progress” with the realization rate of 58.6%. The rate of "Discontinued or Cancelled" of F/S Studies is relatively high. This has led to increase the average rate of "Discontinued or Cancelled" of F/S Studies Group as a whole.

Table 3-22 Realization Rate by Type of Study

Present Status		M/P+F/S	F/S*	D/D	Total
Completed or In Progress	Completed	56	244	10	310
	Partially Completed	114	103	8	225
	Under Implementation	82	90	10	182
	In Process	28	39	5	72
	Sub-Total	280	476	33	789
(Rate of Realization)		(69.8%)	(58.6%)	(78.6%)	(62.9%)
Under Promotion		86	85	5	176
(Rate)		(21.4%)	(10.5%)	(11.9%)	(14.0%)
Delayed or Suspended		27	126	3	156
(Rate)		(6.7%)	(15.5%)	(7.1%)	(12.4%)
Discontinued or Cancelled		8	125	1	134
(Rate)		(2.0%)	(15.4%)	(2.4%)	(10.7%)
Total		401	812	42	1,255
		(100.0%)	(100.0%)	(100.0%)	(100.0%)

*The category F/S includes “Other (F/S-type)” of Mining and Industrial Development studies.

3.3.4 Realization Rates by Sector

As shown in the Table 3-23, out of 1,255 completed studies in the F/S Studies Group, 706 studies are in the Social Development area, 260 are in the Agriculture, Forestry and Fishery Development area, 280 are in the Mining and Industrial Development area and 9 are in the Others area. The realization rates are 72.0%, 62.3%, 41.1%, and 44.4% respectively.

For the Public Works and Utilities sector, which is the largest sector in the Social Infrastructure area, 477 out of 663 studies are classified as "Completed or in Progress" (the realization rate of 71.9%). For the Agriculture, Forestry, and Fishery sector in the Agriculture, Forestry, and Fishery Development area, 162 out of 260 studies are classified as "Completed or in Progress" (the realization rate of 62.3%). For the Mining and Industrial in the Mining and Industrial Development area, 74 out of 175 studies are "Completed or in Progress" (the realization rate of 42.3%).

Looking at the studies of all the sub-sectors in which more than 50 studies conducted, the realization rate of each sub-sector are; the Communications and Broadcasting sub-sector has the highest realization rate of 85.2%, followed by the Public Works and Utilities (74.2%), the Transportation (71.6%), the Social Infrastructure (66.0%), the Agriculture (62.4%)-

The realization rate of the Social Infrastructure area is 71.9% that is nearly 9 points higher than the average rate of the F/S Studies Group. On the other hand, the realization rate of Forestry, and Fishery Development area and the Mining and Industrial Development area are 62.3% and 41.1% respectively, which are lower than the Social Infrastructure area. It is expected that many of studies classified as "Under Promotion" in Forestry, and Fishery Development area may shortly shift to the "Progress" category.

Table 3-23 Realization Rate by Sector

Present Status		Social Development															
		Planning & Administration	Public Works & Utilities										Tourism	Human Resource Development	Public Health & Medicine	Social Welfare	Sub-total
			Public Utilities	Transportation					Social Infrastructure	Communication & Broadcasting	Sub-total						
				Road	Railways	Port	Others	Sub-total									
Completed or In Progress	Completed	2	25	37	10	19	21	87	29	37	178	1	0	0	0	0	181
	Partially Completed	4	32	30	7	22	25	84	28	7	151	5	0	0	0	2	162
	Under Implementation	6	26	18	2	16	15	51	29	2	108	5	1	0	0	0	120
	In Process	2	6	9	2	8	6	25	9	0	40	1	0	0	0	2	45
	Sub-Total (Rate of Realization)	14	89 (70.0%)	94 (74.2%)	21 (77.0%)	65 (52.5%)	67 (73.0%)	247 (71.3%)	95 (66.0%)	46 (85.2%)	477 (71.9%)	12 (85.7%)	1 (100.0%)	(-)	0 (50.0%)	4 (72.0%)	508
Under Promotion		5	18	14	7	16	11	48	26	1	93	0	0	0	0	2	100
(Rate)		(25.0%)	(15.0%)	(11.5%)	(17.5%)	(18.0%)	(11.7%)	(13.9%)	(18.1%)	(1.9%)	(14.0%)	(0.0%)	(0.0%)	(-)	(25.0%)	(14.2%)	
Delayed or Suspended		1	11	6	1	0	5	12	15	1	39	1	0	0	0	2	43
(Rate)		(5.0%)	(9.2%)	(4.9%)	(2.5%)	(0.0%)	(5.3%)	(3.5%)	(10.4%)	(1.9%)	(5.9%)	(7.1%)	(0.0%)	(-)	(25.0%)	(6.1%)	
Discontinued or Cancelled		0	2	8	11	8	11	38	8	6	54	1	0	0	0	0	55
(Rate)		(0.0%)	(1.7%)	(6.6%)	(27.5%)	(9.0%)	(11.7%)	(11.0%)	(5.6%)	(11.1%)	(8.1%)	(7.1%)	(0.0%)	(-)	(0.0%)	(7.8%)	
Total		20	120	122	40	89	94	345	144	54	663	14	1	0	8	706	
		(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(-)	(100.0%)	(100.0%)	

Present Status		Agriculture, Forestry & Fishery Development					Mining & Industry Development					Others *	Total	
		Agriculture, Forestry & Fishery				Sub-total	Mining & Industry			Energy	Sub-total			
		Agriculture	Livestock	Forestry	Fishery		Mining	Industry	Sub-total					
Completed or In Progress	Completed	56	0	3	2	61	2	32	34	34	68	0	310	
	Partially Completed	42	0	2	4	48	0	4	4	9	13	2	225	
	Under Implementation	35	0	5	1	41	0	3	3	16	19	2	182	
	In Process	10	0	1	1	12	0	0	0	15	15	0	72	
	Sub-Total (Rate of Realization)	143	0	11	8	162	2	39	41	74	115	4	789	
		(62.4%)	(0.0%)	(73.3%)	(57.1%)	(62.3%)	(20.0%)	(41.1%)	(39.0%)	(42.3%)	(41.1%)	(44.4%)	(62.9%)	
Under Promotion		40	1	1	5	47	0	6	6	21	27	2	176	
(Rate)		(17.5%)	(50.0%)	(6.7%)	(35.7%)	(18.1%)	(0.0%)	(6.3%)	(5.7%)	(12.0%)	(9.6%)	(22.2%)	(14.0%)	
Delayed or Suspended		20	0	2	0	22	5	25	30	59	89	2	156	
(Rate)		(8.7%)	(0.0%)	(13.3%)	(0.0%)	(8.5%)	(50.0%)	(26.3%)	(28.6%)	(33.7%)	(31.8%)	(22.2%)	(12.4%)	
Discontinued or Cancelled		26	1	1	1	29	3	25	28	21	49	1	134	
(Rate)		(11.4%)	(50.0%)	(6.7%)	(7.1%)	(11.2%)	(30.0%)	(26.3%)	(26.7%)	(12.0%)	(17.5%)	(11.1%)	(10.7%)	
Total		229	2	15	14	260	10	95	105	175	280	9	1,255	
		(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	

* The nine studies classified as "Other" are all Mining and Industrial Development studies.

CHAPTER 4

CONCLUSIONS AND RECOMMENDATIONS

CHAPTER 4. Conclusions and Recommendations

4.1 Entire Development Studies

In this follow-up study, analysis on situations after completion of the Development Study has been conducted, covering 2,293 Development Studies conducted from FY 1974 to FY2008. Especially, this study has conducted questionnaire survey focusing on the studies completed in FY2004, 2006 and the latest FY2008, and the studies completed in FY 1999 (10 years ago). This is due to the findings of previous follow-up studies, which 5 years period after the completion of the concerned study are critical turning point for utilization or realization of projects proposed, and in addition to a tendency of clear diversification between the studies to be utilized/realized or not after 10 years.

First of all, by sectors, majority of the studies are for the Social Development area, which count to 1,199 (52.3%) out of 2,293 studies in total. This is followed by studies in the Mining and Industrial Development area with 673 studies (29.4%), and the Agriculture, Forestry, and Fishery area with 421 studies (18.4%).

By regions, 1,334 studies (58.2%) out of 2,293 studies were conducted in Asia region, followed by Central and South American region with 344 studies (15.0%, and African region with 269 studies (11.7%). With JICA setting forth a policy to focus on African region, number of the Development Studies to be conducted is expected to increase in African region.

By the study types, 803 studies (35.0%) out of 2,293 studies are F/S followed by 734 M/P studies (32.0%). These 2 types of studies account for over two-thirds of all the Development Studies conducted. The above said studies are followed by M/P+F/S with 401 studies (17.5%) studies conducted. As these figures show, majority of the Development Studies conducted consists from F/S and M/P (and combination of both) studies. However, in recent years, number of F/S studies conducted has been decreasing. Therefore, in the near future, there is a possibility for the cumulative total number of M/P studies to overcome the number of F/S studies to be conducted.

By the field of the study, there are 483 studies (account for 21.1% of 2,293 studies in total) in the field of Transportation, 330 in Agriculture (14.4%), 295 in Social Infrastructure (12.9%), and 276 in Energy (12.0%). The studies in these 4 sectors exceed 60% of studies in total.

Although there are 310 studies in the field of Industry, this figure includes 117 studies of the Chinese Factory Study, implemented in relation to the Japanese foreign policy. Thus, by excluding this study, number of studies in the Industry field will decrease.

Secondly, by briefly looking at the situation of utilization or realization of the development studies, the utilization rate is highest in the Social Development area (80.8%), followed by the Agriculture, Forestry, and Fishery area (75.1%), and the Mining and Industrial Development area (64.0%). Low realization/utilization rate in the Mining and Industrial Development area in comparison to the Social Development or the Agriculture, Forestry, and Fishery area can be affected by relatively large project scale, which requires certain amount of time in procuring funds.

Table 4-1: Realization / Utilization Rate of Development Studies

Area	Number of Studies	Number of Studies In Progress of In Use	Realization / Utilization Rate
Social Development	1,199	969	80.8%
Agriculture, Forestry, and Fishery	421	316	75.1%
Mining and Industrial Development	673	434	64.5%
Total	2,293	1,719	75.0%

Result of the analysis, dividing all of the Development Studies into M/P type studies or F/S type studies, based on information acquired from the questionnaire will be presented in the next section.

4.2 M/P Studies Groups

This Status Survey covers 2,293 development studies, of which 1,038 studies consisted by M/P Studies Group (45.3% of Development Studies in total). The M/P Studies Group consists from 734 M/P studies (70.7% of 949 M/P Studies Group), 127 Basic studies (12.2%), 117 Studies on the Factories Modernization Program in China (11.3%¹), and 60 Other Studies (5.8%). Situations of utilization of the output of Development Studies is satisfactory, with 930 studies accounting for 89.6% of all the studies conducted to be utilized in realization of the proposed project, and formulation of national development plan.

By study types, the M/P Studies is most utilized with utilization rate of 91.3% followed by the Basic Studies (90.9%), the Other Studies (82.5%), and the Chinese Factory Studies (79.5%), which shows high utilization in general.

Comparing regional implementation, 586 studies have been conducted in Asian region, accounting for 56.5% of 1,038 M/P type studies conducted, which 337 studies accounting for 32.5% conducted in ASEAN countries. Following Asia, Central and South America, African, and Middle East area large in numbers of studies conducted. For the regional utilization rate, every region exceeds 80% with 90.1% for Asia, 90.4% for Central and South America, 88.7% for Africa, and 84.5% for Middle East. The rates of Oceania, Europe, and multiple countries are not analyzed because few development studies have been conducted in these regions, resulted in the analytical difficulty due to the large fluctuation of utilization rates.

By sectors, the utilization rate is 93.5% for the Social Development area, 95.7% for the Agriculture, Forestry and Fishery Development area, and 80.8% for the Mining and Industrial Development area. The Mining and Industrial Development area, which requires certain amount of time in realization of the project, shows relatively low rate of utilization. In the Social Development area, the Social Infrastructure, Transportation, Public Utilities, and the Planning and Administration sub-sectors occupy large portion of the studies conducted. In the Agriculture,

¹ The so-called Chinese Factory Studies have been finished. Thus the rate will be in decrease every year.

Forestry and Fishery Development area, the Agriculture is the largest sub-sector. In the Mining and Industrial Development area, the Industry is the largest sub-sector. The utilization rates of each sub-sectors are; 90.7% in the Social Infrastructure, 92.0% in the Transportation, 96.4% in the Planning and Administration, 97.0% in the Agriculture and 81.4% in the Industry sub-sectors, which shows satisfactory utilization of the studies.

By comparing studies with realized project and unrealized project in the Social Development and the Agriculture, Forestry, and Fishery area, important factors in realizing the proposed projects seems to be timely implementation of subsequent studies after completion of the Development Studies, and timely availability of fund. In most of the studies whose proposed projects were realized smoothly, subsequent study has been conducted within 5 years, where Yen Loan or Yen Grant Aid was acquired at roughly the same time. Thus, it is important for the counterpart country to realize the proposed project in 5 years period after completion of the Development Study.

4.3 F/S Studies Group

Out of 2,293 Development Studies in total, F/S type study consist 1,255 of the studies, which account for 54.7%. The F/S type study consists from 401 M/P+F/S Studies (account for 31.9%), 812 F/S studies (64.7%, including Other(F/S type) studies), and 42 D/D studies (3.3%). Although 789 studies (62.9%) are categorized into “Completed or In Progress”, it can be said that results of the F/S Studies Group have been realized in relatively effective manner. It is, however, expected that realization rate should improve in the future since there are 176 (14.0%) studies prepared for realization.

By study types, the realization rates for M/P + F/S studies and for F/S (including Other F/S-type studies) were 69.8% and 58.6% respectively. Since a large portion of studies in these 2 areas has been designated in the “Under Promotion” category, 21.4%, 10.5% respectively for each study type, their realization rates ought to be improved in the near future. The realization rate of D/D studies marks the highest at 78.6%. This reflects the nature of D/D studies: the study will be conducted on the premises of realizations and fund procurements.

In terms of regional comparison of the numbers, 748(account for 59.6% of 1,255 F/S Type Studies) out of the whole studies were conducted in Asia, which is the largest of all, and 526 (41.9%) were conducted particularly in ASEAN countries. Next to Asia, the numbers are larger in Central and South America, Middle East, and Africa. The utilization rate is 67.0% in Asia, 52.9% in Central and South America, 65.0% in Middle East, and 52.8% in Africa. The realization rates of Oceania, Europe, and multiple countries are not analyzed because few development studies have been conducted in these regions.

Analysis by area shows a difference in realization rates. The realization rates in the Social Development area, in the Agriculture, Forestry, and Fishery Development area, and in the Mining and Industrial Development area are 72.0%, 62.3%, and 40.8% respectively. The largest sub-sector in Social Development area is the Transportation with a realization rate of 71.6%. In the Agriculture, Forestry, and Fishery Development area, nearly all the studies were in the Agriculture sub-sector, whose realization rate is 62.4%. In the Mining and Industrial Development area, the

Energy sub-sector was the largest with the realization rate of 42.3%.

Judging from the comparison between materialized and immaterialized proposed projects in the Social Development and the Agriculture, Forestry, Fishery areas, one of important factors in utilizing study results is the existence of Japanese financial assistance. In most studies whose results were realized smoothly, Japanese ODA loans, Grant Aid, or own funds had been utilized.

4.4. Recommendations

In this follow-up studies (past 7 years), continuous and definite progress can be seen with respect to the utilization of findings after the completion of development studies as well as regarding the adoption of proposed projects. In addition, slight increases in the percentages can be confirmed in recent years (especially in the area of F/S studies).

Fiscal Year	Utilization Rate of M/P and Related Studies	Realization Rate of F/S and Related Studies
2003	87.6%	59.6%
2004	88.2%	59.2%
2005	89.1%	61.0%
2006	89.8%	61.6%
2007	89.3%	62.2%
2008	89.6%	62.8%
2009	89.6%	62.9%

Recognizable increases in the utilization rate of study results especially in the area of M/P and related studies are believed to be a main contributing factor to the tendencies seen in the above table. As one example, the aggressive deployment of project activities, as evidenced by the efforts to disseminate the experience and knowledge obtained and accumulated in the original target regions where the experimental studies were conducted to other regions or nationwide, has proved to be very successful. In addition, the situation where Japan and counterpart countries tend to select the prioritized projects as a result of the overall decreased number of development studies in recent years seems to exert some influence to the above results.

On the other hand, the followings need to be fully considered in order to maintain or further promote the present level of progress;1) to give an additional attention to studies whose findings have not yet been translated into any form of concrete achievements or projects, 2) to improve the utilization rates and the realization rates for the new projects.

With respect to M/P studies, in addition to the careful examination on the situation of target projects, review or reexamination should be carried out for proposed projects that have not yet been realized or have been set aside for a considerable period of time in order to determine their feasibility, and then those that are determined to be feasible should be move on to the next stage of study so that a promising plan taking current actual conditions into

consideration can be formulated. This might be one of the possible ways of enhancing the utilization rate of study findings. Meanwhile, with respect to F/S studies, proposed projects whose adoption is not yet in sight even after a certain period have elapsed since the completion of the full-scale studies should be sorted out. Then, factors preventing their adoption should be examined so that some measures to promote these measures can be worked out. With respect to promising projects, some kind of concrete measures such as the introduction of a supplementary study that would help in the adoption of proposed projects might be put into place.

In particular, “to improve the utilization rates and realization rates” is important from the perspective of future implementation. Continuous examinations are required in order to understand the situations relating to measures or supports that would be of great importance as ways of overcoming obstacles that are preventing the adoption and implementation of proposed projects. In this respect, there are a number of issues that need to be addressed. These include ensuring harmonization with the national development plans of the recipient governments as well as their economic and social environments, designing study plans from the perspective of the future implementation of proposed projects in partnership with other schemes and international organizations, and raising the funds that will be required for the realization of proposed projects.

APPENDIX

**Questionnaire for the
“Study on the Present Situation of Implemented Studies”**

Name of country	Type of study
	F/S type study
Study No.	Situation until previous fiscal year
Consultants	
1)	2)
Name of “Development Study”	

Name of respondent	Telephone	E-mail

- Please provide information not mentioned in the “Study Summary Sheet”.
- When there is no information to be specifically mentioned, please answer the words to that effect in “IV. Others”.

I: Situation concerning realization of the proposal after the completion of the “Development Study”

I-1: Please answer all the names of project or contents proposal made in the “Development Study”. In addition, please enter “A” or “B” in the column “Classification” for the situation of the realization after completion of the “Development Study” according to the definition stated below.

No	Name of proposed projects or contents of the proposal.	Classification
Ex.	Photovoltaic power generation plant construction project.	A
1		
2		
3		

- Please add rows if there are more than 3 proposed projects/contents.
- For “Development Study” which does not make a proposal, such as studies to develop topographical map, please go to question “IV: Others” and provide any relevant information.

Classification and definition of the realization of proposals

Classification A:	==	Cases where progress has been seen concerning proposed project/content.
Classification B:	==	Cases where not enough progress has been seen.

Classification	Present situation	Questions to answer
A	Implementation of the proposed project has already completed and is in operation.	Please answer questions II and IV
	Implementation of the proposed project has partly completed and is in operation.	
	Proposed project is currently implemented.	
	Tender of the proposed project has been implemented/ is currently taking place.	
	Funding of the project is procured.	
	Possibility of the realization of proposed project/content is high, where subsequent study such as design study has been conducted with a funding from own country, other country, or international organization.	
	Possibility of the realization of proposed project/content is high from other reasons.	
B	Request for a funding has been made to other government or international organization in implementing the proposed project.	Please answer questions III and IV
	Subsequent study, such as design study, has been conducted according to the proposal.	
	Counterpart government is enthusiastically working to realize the proposed project/content.	
	No action has been taken to realize the project after the completion of the mentioned study.	
	Realization of the proposal is postponed after making some consideration to implement the project/content.	
	Realization of the project is officially discontinued.	
	Realization of the proposal is made with significant changes.	
	Realization of the proposal is postponed for a long term (Over 10 years).	

Please answer the following question for each proposed project/content according to the classification selected above (question I-1).

For an example, if there are 3 proposed projects/contents with classifications “A”, “A”, and “B” respectively, questions to answer are as follows.

Project 1: classification “A” → answer questions II and IV

Project 2: classification “A” → answer questions II and IV

Project 3: classification “B” → answer questions III and IV

Please answer questions below for the proposed project/content classified as “A” in question I-1.

Proposal No. (No. of I-1)	Name of proposed projects or contents of the proposal.
---------------------------	--

- Please copy the pages II-1 to II-3 (pp.3-6), when answering the questions for more than one proposed projects.

Please answer the factors which stimulated realization of the proposed project/content.

- Please provide information not mentioned in the “Study Summary Sheet”.

II-1-1:	Please select the factors which stimulated realization of the project/content (multiple choices) and describe the details.		
<input type="checkbox"/> Consistent with the National Development Plan.	<input type="checkbox"/> High benefits	<input type="checkbox"/> High priority	
<input type="checkbox"/> High urgency	<input type="checkbox"/> Relationship with other prioritized project	<input type="checkbox"/> Organized resources.	
<input type="checkbox"/> Favorable financial condition	<input type="checkbox"/> Unknown	<input type="checkbox"/> Others	
Details:			

II-2-11:	Please answer the type of financial assistance, if official request has been made (multiple choices).	
<input type="checkbox"/>	Yen loan (Requested date:)	<input type="checkbox"/> Yen Grant aid (Requested date:)
<input type="checkbox"/>	Intl. org (Requested date:)	<input type="checkbox"/> Private fund (Requested date:)
<input type="checkbox"/>	Other country (Requested date:)	
<input type="checkbox"/>	Others (Requested date: , Detail)	
II-2-12:	Please answer the situation of fund procurement to implement the proposed project (single choice).	
<input type="radio"/>	Procured (go to II-2-13)	<input type="radio"/> Planned to be procured (go to II-2-14)
II-2-13:	Please answer the type of fund procured (multiple choices).	
<input type="checkbox"/>	Yen loan (date of E/N conclusion:)	<input type="checkbox"/> Yen Grant Aid (date of L/A conclusion:)
<input type="checkbox"/>	Other country (Name of country:)	<input type="checkbox"/> Intl. org (Name of org.:)
<input type="checkbox"/>	Private fund (Detail:)	
<input type="checkbox"/>	Own countries' fund)	<input type="checkbox"/> Unknown:)
<input type="checkbox"/>	Others (Detail:)	
II-2-14:	Please answer whether official request has been made for Japanese technical assistance for project implementation (single choice).	
<input type="radio"/>	Official request has been made (go to II-2-15)	<input type="radio"/> No official request has been made (go to II-2-18)
II-2-15:	Please answer the type of technical assistance requested (multiple choices)	
<input type="checkbox"/>	Tech. Cooperation project (date requested:)	<input type="checkbox"/> Training program (date requested)
<input type="checkbox"/>	Dispatch of experts (date requested)	
<input type="checkbox"/>	Others (date requested: , Details:)	
II-2-16:	Please answer whether Japanese technical assistance is realized in the implementation of the project (single choice).	
<input type="radio"/>	Japanese Tech. assistance is realized (go to II-2-17)	<input type="radio"/> No Japanese Tech. assistance is realized (go to II-2-18)
II-2-17:	Please select the type of realized Japanese Tech. assistance and describe the details (multiple choice)	
<input type="checkbox"/>	Training program: (Detail:)	
<input type="checkbox"/>	Dispatch of experts: (Detail:)	
<input type="checkbox"/>	Other Tech. assistance (Detail:)	
II-2-18:	Please answer the beneficiaries of the project if the implementation of the project is in process/completed.	
II-2-19:	Please quantitatively describe the benefits achieved by the project, such as by number of people, area, capacity, and etc, if the implementation of the project is in process/completed.	
II-2-20:	Please describe the degree of utilization of the project if the implementation of the project is completed.	

II-3: Subsequent Studies

Please answer questions below for subsequent study which is completed/ongoing/in preparation related to the proposal.

- Please provide information not mentioned in the “Study Summary Sheet”.

II-3-1:	Please answer the progress of subsequent study (single choice).					
<input type="radio"/> Completed (go to II-3-2) <input type="radio"/> In progress (II-3-2) <input type="radio"/> In preparation (II-3-8) <input type="radio"/> None (IV)						
II-3-2:	Please answer the name of subsequent study.					
II-3-3:	Please answer the objective of subsequent study.					
II-3-4:	Please answer the period of implementation of subsequent study.		From		To	
II-3-5:	Please select the type of subsequent study (multiple choices).					
<input type="checkbox"/> F/S <input type="checkbox"/> B/D <input type="checkbox"/> D/D <input type="checkbox"/> E/S <input type="checkbox"/> Review study <input type="checkbox"/> Unknown						
<input type="checkbox"/> Others (Detail: _____)						
II-3-6:	Please answer the name of organization implementing the subsequent study in the country which is conducted.					
II-3-7:	Please answer the name of organization supporting implementation of the subsequent study other than the country which is conducted.					
II-3-8:	Please answer whether official request has been made to other countries or international organizations in order to implement subsequent studies (single choice).					
<input type="radio"/> Official request has been made (go to II-3-9) <input type="radio"/> No official request has been made (go to IV)						
II-3-9:	Please answer the type of requested study if official request has been made (multiple choice)					
<input type="checkbox"/> F/S (Requested date: _____) <input type="checkbox"/> B/D (Requested date: _____)						
<input type="checkbox"/> D/D (Requested date: _____) <input type="checkbox"/> E/S (Requested date: _____)						
<input type="checkbox"/> Review study (Requested date: _____) <input type="checkbox"/> Unknown _____)						
<input type="checkbox"/> Others (Requested date: _____ , Detail: _____)						

III: Proposed project/content classified as “B”.

Please answer the questions below for the proposed project/content classified as “B” in question I-1.

Proposal No. (No. of I-1)	Name of proposed projects or contents of the proposal
---------------------------	---

- Please copy the pages III-1 to III-3 (pp.7-9), when answering for more than one proposed projects.

III-1: Factors influencing the proposal to be not realized.

Please answer the questions below for the factors which influenced the proposals to be not realized for each project/content.

- Please provide information not mentioned in the “Study Summary Sheet”.

III-1-1:	Please select the factors affecting the proposals to be not realized and describe the details (multiple choice).
<input type="checkbox"/> Politic <input type="checkbox"/> Economy <input type="checkbox"/> Policy <input type="checkbox"/> Public administration <input type="checkbox"/> Public security <input type="checkbox"/> Natural disaster <input type="checkbox"/> Lowered feasibility <input type="checkbox"/> Inappropriate project scale <input type="checkbox"/> Postponement of related project <input type="checkbox"/> Difficulty in securing fund from other countries <input type="checkbox"/> Unknown <input type="checkbox"/> Others	
Details:	

- Please provide information not mentioned in the “Study Summary Sheet”.

8/10

III-3 Subsequent Studies

Please answer the questions below for the subsequent study which is completed/ongoing/in preparation, regarding realization of the proposed project/content.

- Please provide information not mentioned in the “Study Summary Sheet”.

III-3-1:	Please select the progress of subsequent study from below (single choice)				
<input type="radio"/> Completed (go to III-3-2) <input type="radio"/> In progress (III-3-2) <input type="radio"/> In preparation (III-3-8) <input type="radio"/> None (IV)					
III-3-2:	Please answer the name of subsequent study.				
III-3-3:	Please answer the objective of the subsequent study.				
III-3-4:	Please answer the implementing period of subsequent study.	From		To	
III-3-5:	Please answer the type of subsequent study implemented (multiple choice).				
<input type="checkbox"/> F/S <input type="checkbox"/> B/D <input type="checkbox"/> D/D <input type="checkbox"/> E/S <input type="checkbox"/> Review study <input type="checkbox"/> Unknown					
<input type="checkbox"/> Others (Detail: _____)					
III-3-6:	Please answer the organization implementing the subsequent study which is in the country of implementation.				
III-3-7:	Please answer the organization implementing the subsequent study which is not in the country of implementation.				
III-3-8:	Please answer whether official request has been made to other countries or international organization to implement subsequent studies (single choice)				
<input type="radio"/> Official request has been made (go to III-3-9) <input type="radio"/> No official request has been made (go to IV)					
III-3-9:	Please select the type of requested study, if official request has been made (multiple choices).				
<input type="checkbox"/> F/S (Date requested: _____) <input type="checkbox"/> B/D (Date requested: _____)					
<input type="checkbox"/> D/D (Date requested: _____) <input type="checkbox"/> E/S (Date requested: _____)					
<input type="checkbox"/> Review study (Date requested: _____) <input type="checkbox"/> Unknown: _____)					
<input type="checkbox"/> Others (Date requested: _____ , Details: _____)					

IV: Others

Please describe any other information not answered in the above questions regarding the “Development Study”. For “Development Study” which does not make a proposal, please provide any relevant information concerning output of the study.

- Please provide information not mentioned in the “Study Summary Sheet”.

Details

**Questionnaire for the
“Study on the Present Situation of Implemented Studies”**

Name of country:	Type of study:
	M/P type study
Study No:	Situation until previous fiscal year:
Consultants:	
1)	2)
Name of “Development study”:	

Name of respondent	Telephone	E-mail

- Please provide information not mentioned in the “Study Summary Sheet”.
- When there is no information to be specifically mentioned, please answer the words to that effect in “IV. Others”.

I. Situation concerning utilization of the proposal after the completion of the “Development Study”

1-1: Please answer all the names of project or the content of the proposal made in the “Development Study”. In addition, please answer “A” or “B” in the column “Classification” for the situation of the realization after the completion of the “Development Study” according to the classification and definition of the situation of utilization stated below.

No	Name of proposed projects or contents of the proposal.	Classification
Ex)	Human resource development program: Program planning, implementation, and evaluation activities to develop capacity of central government personnel to enforce policies.	A
1		
2		
3		

- Please add rows if there are more than 3 proposed projects/contents.
- For “Development Study” which does not make a proposal, such as studies to develop topographical map, please go to question “IV: Others” and provide any relevant information.

Classification and definition of the utilization of proposals

Classification A:	==	Cases where progress has been seen concerning proposed project/content.
Classification B:	==	Cases where not enough progress has been seen.

Classification	Situation of utilization	Questions to answer
A	Studies related to the “Development Study” have been conducted after the completion of the study (hereafter subsequent study). Or outcome of the “Development study” has been utilized.	Please answer questions II and IV
	Technical Cooperation has been conducted other than the “Development Study” according to the proposal made in the “Development Study”	
	Result of the “Development Study” has been adapted to policies or development plan. Or, the result of the “Development Study” has been utilized in preparing policies, plans, and etc.	
	Actions have been taken to realize proposals made in the “Development Study”.	
	Concrete actions have not yet been made, having less than 2 years of time after completion of the “Development Study”. However, measures for proposals are under consideration.	
B	No actions have been taken after completion of the “Development Study”. Or, no utilizations have been made concerning the proposal.	Please answer questions III and IV
	Realizations of the proposals have been shelved after consideration due to some reasons.	
	Realizations of the proposals have been officially discontinued by the government.	
	Alternative plans proposed in other studies have been adopted or utilized.	
	Realization of the proposal is postponed for a long term (Over 10 years).	

Please answer the following question for each proposed project/content according to the classification answered in the question above (question I-1).

For an example, if there are 3 proposed projects/contents with classifications “A”, “A”, and “B” respectively, questions to answer are as follows.

- Project 1: classification “A” → answer questions II and IV
 Project 2: classification “A” → answer questions II and IV
 Project 3: classification “B” → answer questions III and IV

Please answer questions below for the proposed project/content classified as “A” in question I-1.

Proposal No. (No. of I-1)	Name of proposed projects or contents of the proposal.
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- Please copy the pages II-1 to II-3 (pp.3-6), when answering the questions for more than one proposed projects.

Please answer the factors which stimulated utilization of the project/content.

- Please provide information not mentioned in the “Study Summary Sheet”.

II-1-1:	Please select the factors which stimulated utilization of the project/content (multiple choices) and describe the details.		
<input type="checkbox"/> Consistent with the National Development Plan.	<input type="checkbox"/> High benefits	<input type="checkbox"/> High priority	
<input type="checkbox"/> High urgency	<input type="checkbox"/> Relationship with other prioritized project	<input type="checkbox"/> Organized resources.	
<input type="checkbox"/> Favorable financial condition	<input type="checkbox"/> Unknown	<input type="checkbox"/> Others	
Details:			

II-2: Implementation of the project

Please answer questions below for proposed project which is completed/ongoing/in preparation.

- Please provide information not mentioned in the “Study Summary Sheet”.

II-2-1:	Please answer the progress of the project (single choice)				
<input type="radio"/> Completed (go to II-2-2) <input type="radio"/> In progress (go to II-2-2) <input type="radio"/> Tender conducted (date of tender:)(go to II-2-2) <input type="radio"/> In preparation (contents are decided) (go to II-2-2) <input type="radio"/> In preparation (contents are not yet decided) (go to II-2-10)					
II-2-2:	Please answer the name of the project.				
II-2-3:	Please answer the objective of the project				
II-2-4:	Please answer the summary of the project				
II-2-5:	Please answer whether changes have been made to the content of the project proposed (single choice).				
<input type="radio"/> Changed (go to II-2-6) <input type="radio"/> No changes (go to II-2-7)					
II-2-6:	Please answer the type of changes made and describe the detail (multiple choices).				
<input type="checkbox"/> Funding plan <input type="checkbox"/> Schedule <input type="checkbox"/> Content <input type="checkbox"/> Scale <input type="checkbox"/> Operating org. <input type="checkbox"/> Others					
Details:					
II-2-7:	Please answer the period of implementation of the project.		From		To
II-2-8:	Please list the name of organization implementing the project in the country which is conducted.				
II-2-9:	Please answer the name of organization supporting implementation of the project other than the country which is conducted.				
II-2-10:	Please answer whether official request has been made to other countries or international organizations for a financial assistance (single choice).				
<input type="radio"/> Official request has been made (go to II-2-11) <input type="radio"/> No official request has been made (II-2-12)					

II-2-11:	Please answer the type of financial assistance, if official request has been made (multiple choices).
<input type="checkbox"/> Yen loan (Requested date: _____)	<input type="checkbox"/> Yen Grant aid (Requested date: _____)
<input type="checkbox"/> Intl. organization (Requested date: _____)	<input type="checkbox"/> Private fund (Requested date: _____)
<input type="checkbox"/> Other country (Requested date: _____)	
<input type="checkbox"/> Others (Requested date: _____, Detail _____)	
II-2-12:	Please answer the situation of fund procurement to implement the proposed project (single choice).
<input type="radio"/> Procured (go to II-2-13)	<input type="radio"/> Planned to be procured (go to II-2-14)
II-2-13:	Please answer the type of fund procured (multiple choices).
<input type="checkbox"/> Yen loan (date of E/N conclusion: _____)	<input type="checkbox"/> Yen Grant Aid (date of L/A conclusion: _____)
<input type="checkbox"/> Other country (Name of country: _____)	<input type="checkbox"/> Intl. org (Name of org: _____)
<input type="checkbox"/> Private fund (Detail: _____)	
<input type="checkbox"/> Own countries' fund _____	<input type="checkbox"/> Unknown: _____
<input type="checkbox"/> Others (Detail: _____)	

II-2-14:	Please answer whether official request has been made for Japanese technical assistance for project implementation (single choice).
<input type="radio"/> Official request has been made (go to II-2-15)	<input type="radio"/> No official request has been made (go to II-2-18)
II-2-15:	Please answer the type of technical assistance requested (multiple choices)
<input type="checkbox"/> Tech. Cooperation project (date requested: _____)	<input type="checkbox"/> Training program (date requested _____)
<input type="checkbox"/> Dispatch of experts (date requested _____)	
<input type="checkbox"/> Others (date requested: _____, Details: _____)	
II-2-16:	Please answer whether Japanese technical assistance is realized in the implementation of the project (single choice).
<input type="radio"/> Japanese Tech. assistance is realized (go to II-2-17)	<input type="radio"/> No Japanese Tech. assistance is realized (go to II-2-18)
II-2-17:	Please select the type of realized Japanese Tech. assistance and describe the details (multiple choice)
<input type="checkbox"/> Training program: _____ (Detail: _____)	
<input type="checkbox"/> Dispatch of experts: _____ (Detail: _____)	
<input type="checkbox"/> Other Tech. assistance _____ (Detail: _____)	

II-2-18:	Please answer the beneficiaries of the project if the implementation of the project is in process/completed.
II-2-19:	Please quantitatively describe the benefits achieved by the project, such as by number of people, area, capacity, and etc, if the implementation of the project is in process/completed.
II-2-20:	Please describe the degree of utilization of the project if the implementation of the project is completed.

II-3: Subsequent Studies

Please answer questions below for subsequent study which is completed/ongoing/in preparation related to the proposal.

- Please provide information not mentioned in the “Study Summary Sheet”.

II-3-1:	Please answer the progress of subsequent study (single choice).					
<input type="radio"/> Completed (go to II-3-2) <input type="radio"/> In progress (II-3-2) <input type="radio"/> In preparation (II-3-8) <input type="radio"/> None (IV)						
II-3-2:	Please answer the name of subsequent study.					
II-3-3:	Please answer the objective of the subsequent study.					
II-3-4:	Please answer the period of implementation of subsequent study.			From		To
II-3-5:	Please select the type of subsequent study (multiple choices).					
<input type="checkbox"/> F/S <input type="checkbox"/> B/D <input type="checkbox"/> D/D <input type="checkbox"/> E/S <input type="checkbox"/> Review study <input type="checkbox"/> Unknown						
<input type="checkbox"/> Others (Detail: _____)						
II-3-6:	Please answer the name of organization implementing the subsequent study in the country which is conducted.					
II-3-7:	Please answer the name of organization supporting implementation of the subsequent study other than the country which is conducted.					
II-3-8:	Please answer whether official request has been made to other countries or international organizations in order to implement subsequent studies (single choice).					
<input type="radio"/> Official request has been made (go to II-3-9)			<input type="radio"/> No official request has been made (go to IV)			
II-3-9:	Please answer the type of requested study if official request has been made (multiple choice)					
<input type="checkbox"/> F/S (Requested date: _____) <input type="checkbox"/> B/D (Requested date: _____)						
<input type="checkbox"/> D/D (Requested date: _____) <input type="checkbox"/> E/S (Requested date: _____)						
<input type="checkbox"/> Review study (Requested date: _____) <input type="checkbox"/> Unknown _____)						
<input type="checkbox"/> Others (Requested date: _____ , Detail: _____)						

III: Proposed project/content classified as “B”.

Please answer the questions below for the proposed project/content classified as “B” in question I-1.

Proposal No. (No. of I-1)	Name of proposed projects or contents of the proposal.
---------------------------	--

- Please copy the pages III-1 to III-2 (pp.7-8), when answering for more than one proposed projects.

III-1: Factors influencing the proposal to be not utilized.

Please answer the questions below for the factors which influenced the proposals to be not realized for each project/content.

- Please provide information not mentioned in the “Study Summary Sheet”.

III-1-1:	Please select the factors which influenced the proposal to be not utilized and describe the details (multiple choices).				
<input type="checkbox"/> Politic <input type="checkbox"/> Economy <input type="checkbox"/> Policy <input type="checkbox"/> Public administration <input type="checkbox"/> Public security <input type="checkbox"/> Natural disaster					
<input type="checkbox"/> Lowered feasibility <input type="checkbox"/> Inappropriate project scale <input type="checkbox"/> Postponement of related project					
<input type="checkbox"/> Difficulty in securing fund from other countries <input type="checkbox"/> Unknown <input type="checkbox"/> Others					
Details:					

III-2: Situation of official request to other countries and international organization to utilize/realize to proposal.

- Please provide information not mentioned in the “Study Summary Sheet”.

III-2-1:	Please select whether official request has been made to other countries or international organization for utilization/realization of the proposed project/content (single choice)	
<input type="radio"/> Official request has been made (go to III-2-3) <input type="radio"/> No official request has been made (go to III-2-2)		
III-2-2:	Please select the situation regarding the request to other countries and international organization, if no official request has been made (single choice).	
<input type="radio"/> Decision has been made to make no official request (go to IV) <input type="radio"/> In discussion whether to make an official request (go to IV) <input type="radio"/> Decision has been made to make an official request (go to IV) <input type="radio"/> Unknown/Undecided (go to IV)		
III-2-3:	Please answer the content of the request, if an official request has been made (multiple choices).	
<u>Subsequent Study</u>		
<input type="checkbox"/> F/S (date requested:) <input type="checkbox"/> B/D (date requested:) <input type="checkbox"/> D/D (date requested:) <input type="checkbox"/> E/S (date requested:) <input type="checkbox"/> Review study (date requested:) <input type="checkbox"/> Unknown <input type="checkbox"/> Others (date requested: , Details)		
<u>Funding</u>		
<input type="checkbox"/> Yen loan (date requested:) <input type="checkbox"/> Yen Grant Aid (date requested:) <input type="checkbox"/> Intl. org. (date requested:) <input type="checkbox"/> Private fund (date requested:) <input type="checkbox"/> Other countries (date requested:) <input type="checkbox"/> Others (date requested: , Details)		
<u>Japanese Technical Assistance</u>		
<input type="checkbox"/> Tech. Cooperation Project (date requested:) <input type="checkbox"/> Training program (date requested:) <input type="checkbox"/> Dispatch of experts (date requested:) <input type="checkbox"/> Others (date requested: , Details:)		
Others (details)		

IV: Others

Please describe any other information not answered in the above questions regarding the “Development Study”. For “Development Study” which does not make a proposal, please provide any relevant information concerning output of the study.

- Please provide information not mentioned in the “Study Summary Sheet”.

Details