

ANNEX 1

Project Design Matrix (PDM) revised

Project Title: Strengthening the Capacity of Central Statistical Organization of the Union of Myanmar  
 Implementing Agency: Ministry of Planning and Economic Development, Central Statistical Organization  
 Target Group: Statistical Officers in CSO

ver.2 (2Mar 2005)  
 Duration: Oct., 2005 ~ Aug., 2007

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
<p><b>Overall Goal</b>                      Statistics produced by CSO will be utilized in the drawing up process of socio-economic development plans.</p>	<p>1 Utilization of statistical data in socio-economic development plans (Utilization of results of CSO's statistical surveys by other related ministries)</p>	<p>Documents of other related ministries</p>	
<p><b>Project Purpose</b>                      CSO will be able to produce statistics accurately and timely for statistical surveys implemented by CSO, and provide highly reliable data to policy makers, administrators, researchers, and other relevant users.</p>	<p>1 Number and frequency of statistical surveys conducted by CSO                      2 Number and frequency of statistical document made by CSO                      3 Number and contents of recommendations on the improvement of statistical publications and their adoptions                      4 Contents of CSO homepage</p>	<p>1 CSO's records                      2 CSO's records                      3 CSO's records                      4 CSO homepage</p>	
<p><b>OUTPUTS</b></p> <p>1 Statistical methodologies for Wholesale Price Index (WPI), Household Income and Expenditure Survey (HIES) including the informal sector and other surveys conducted by CSO will be improved.</p> <p>2 Data obtained from NMS will be analyzed and evaluated appropriately.</p> <p>3 Statistical database management system will be improved</p> <p>4 Management/Operation/Maintenance systems for the client server and the LAN system will be improved.</p> <p>5 Statistical data provided through CSO homepage and other measures will be improved.</p>	<p>1-1 Number of training sessions in WPI and number of participants                      1-2 Design of framework for the construction of WPI, conduct of price surveys, and compilation of WPI                      1-3 Number of training sessions in the informal sector and number of participants                      1-4 Conduct of a pilot survey on the informal sector, and conduct of a survey as an affiliated survey to HIES in the light of results of a pilot survey                      1-5 Number of training sessions in statistical softwares                      1-6 Number and contents of recommendations on the improvement of other statistical surveys and their adoptions                      1-7 Level of understanding of CSO staff on statistical methodologies for WPI, HIES including the informal sector and other surveys                      2-1 Result of analysis of NMS data                      2-2 Result of evaluation of NMS data                      2-3 Number of publication of NMS data                      3-1 Formulation status of procedures and guideline on statistical databases operation and provision of statistical data                      3-2 Number of statistical data series stored in the statistical databases                      3-3 Number of training courses in statistical databases and their management system and number of participants                      3-4 Frequency of utilization of data in statistical database within the Ministry                      4-1 Formulation status of procedures and guidelines on management /operation /maintenance for the client server and the LAN system                      4-2 Average time (by month) for the recovery from troubles in the client server and the LAN system                      4-3 Number of training courses in data security and number of participants                      4-4 Level of understanding of CSO staff on data security                      5-1 Contents of CSO homepage                      5-2 Frequency of updating of CSO homepage                      5-3 Number and contents of recommendations on the improvement of CSO's library and their adoptions                      5-4 Number and contents of recommendations on the improvement of statistical publications and their adoptions</p>	<p>1-1 CSO's records                      1-2 CSO's records                      1-3 CSO's records                      1-4 Pilot survey and HIES                      1-5 CSO's records                      1-6 CSO's records                      1-7 Level test for CSO staff, Interviews to CSO staff                      2-1 Analytical report on NMS                      2-2 Evaluation report on NMS                      2-3 CSO's records                      3-1 CSO's documents on procedures and guidelines                      3-2 Database records                      3-3 CSO's records                      3-4 Access log of the client server                      4-1 CSO's documents on procedures and guidelines                      4-2 CSO's records                      4-3 CSO's records                      4-4 Level test for CSO staff, Interviews to CSO staff                      5-1 CSO homepage                      5-2 CSO's records                      5-3 CSO's records                      5-4 CSO's records</p>	
<p><b>Activities</b></p> <p>1 Statistical methodologies for Wholesale Price Index (WPI), Household Income and Expenditure Survey (HIES) including the informal sector and other surveys conducted by CSO will be improved.</p> <p>1-1 Improvement of statistical methodologies for WPI calculation, HIES including the informal sector and other surveys conducted by CSO</p> <p>1-2 Implementation of On the Job Trainings (OJT) for WPI calculation, HIES including the informal sector and other surveys conducted by CSO</p> <p>1-3 Implementation of OJTs for statistical software</p> <p>1-4 Implementation of statistical seminars</p> <p>2 Data obtained from NMS will be analyzed and evaluated appropriately.</p> <p>2-1 Analysis and evaluation of NMS data                      2-2 Implementation of OJTs for the analysis and evaluation of NMS data</p> <p>3 Statistical database management system will be improved</p> <p>3-1 Formulation of procedures and guidelines on statistical database operation and provision of statistical data                      3-2 Development of the CSO statistical database                      3-3 Implementation of trainings for the statistical database management system</p> <p>4 Management/Operation/Maintenance systems for the client server will be improved.</p> <p>4-1 Formulation of procedures and guidelines on management/operation/maintenance for the client server and the LAN system                      4-2 Installation of management/operation/maintenance systems for the client server and the LAN system                      4-3 Implementation of OJTs for the management/operation/maintenance of the client server and the LAN system                      4-4 Implementation of trainings for data security</p> <p>5 Statistical data provided through CSO homepage and other measures will be improved</p> <p>5-1 Updating and improvement of CSO homepage                      5-2 Improvement of the usage of CSO statistical products including those in the CSO's library</p>	<p><b>INPUTS</b></p> <p><b>Myanmar Side</b></p> <p>Counterpart personnel</p> <p>Office room for Japanese experts and its furniture</p> <p>Running cost for the project activities</p> <p>Approval for the access to the data necessary for the improvement of statistical methodologies</p>	<p><b>Japanese Side</b></p> <p>Short-term Experts: Statistical technology (Chief Advisor), WPI, Household survey, Statistical information processing, Statistical database, Statistical seminar Counterpart Training in Japan : Statistical system and technology                      Equipment: Equipment for the installation and maintenance of the client server and the LAN system, Necessary equipment for the improvement of statistical methodologies in accordance with the progress of the project activities</p>	<p><b>Pre-Conditions</b></p> <p>It is essential that policy makers in Myanmar would recognize the importance of statistical information.</p>

Verifiable Indicators	Means of Verification	Source of Information	Results of Evaluation	Grade
<b>Output 1. Statistical methodologies for Wholesale Price Index (WPI), Household Income and Expenditure Survey (HIES) including the informal sector and other surveys conducted by CSO will be improved.</b>				
1-1 Number of training sessions in WPI and number of participants	<ul style="list-style-type: none"> <li>Have the trainees built capacity for improving the statistical methodologies independently?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Interviews and questionnaires to experts, C/P</li> </ul>	<ul style="list-style-type: none"> <li>See the training courses conducted as of Mar 9th, 2007 (Appendix 3).</li> <li>The trainees have built capacity for improving the statistical methodologies independently.</li> </ul>	A
1-2 Design of framework for the construction of WPI, conduct of price surveys, and compilation of WPI	<ul style="list-style-type: none"> <li>Has wholesale price survey been conducted monthly?</li> <li>Has WPI been formulated/calculated based on the survey?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The Food-WPI based on the wholesale price survey in Yangon City for 57 food items, and the NMS-WPI based on the wholesale price survey in Yangon for 232 manufactured items covered by 2003 NMS were formulated.</li> <li>A pilot survey of price collection for NMS-WPI in Yangon was conducted in May 2006, and the monthly price survey started in August 2006, though it was ceased from October to December 2006.</li> <li>The 66 series of WPI were provisionally calculated for September 2006, using the August 2006 prices as a base of the index. Monthly price collection will be continued from 2007 onward, and WPI will be calculated monthly starting from 2008, using the 2007 average prices as a base, and re-estimating weights based on the results of 2006 NMS.</li> </ul>	B
1-3 Number of training sessions in the informal sector and number of participants	<ul style="list-style-type: none"> <li>Have the trainees built capacity for improving the statistical methodologies independently?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>See the training courses conducted as of Mar 9th, 2007 (Appendix 3).</li> <li>The trainees have built capacity for improving the statistical methodologies independently.</li> </ul>	A
1-4 Conduct of a pilot survey on the informal sector, and conduct of a survey as an affiliated survey to HIES in the light of results of a pilot survey	<ul style="list-style-type: none"> <li>Has a pilot survey on Informal Sector been conducted?</li> <li>Has Informal Sector survey been attached to 2006 HIES?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>A pilot survey of HIES including the Informal Sector was designed and conducted in November 2006 for 110 sample households on 9 items. However, the Informal Sector survey was not attached to 3rd HIES conducted in December 2006, due to lack of time and capacity of staff for preparation. CSO should start the preparation for a large-scale independent survey on Informal Sector.</li> <li>CSO generally adopted the recommended methodologies for implementing the survey, analyzing the results, and producing the tabulations in preparing for the 3rd HIES.</li> </ul>	B
1-5 Number of training sessions in statistical software	<ul style="list-style-type: none"> <li>Have the trainees built capacity for improving the statistical methodologies independently?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>See the training courses conducted as of Mar 9th, 2007 (Appendix 3).</li> <li>The trainees have built capacity for improving the statistical methodologies independently.</li> </ul>	A
1-6 Number and contents of recommendations on the improvement of other statistical surveys and their adoptions	<ul style="list-style-type: none"> <li>Have experts' recommendations to improve statistical methodologies been adopted?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>A review of Trade Statistics including costal trade is scheduled for the 5th stage of the Project implementation, according to request of CSO.</li> </ul>	B
1-7 Level of understanding of CSO staff on statistical methodologies for WPI, HIES including the informal sector and other surveys	<ul style="list-style-type: none"> <li>Have C/P understood the statistical methodologies recommended by the experts, and acquired the capacity of adopting them in their work?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The trainees have built capacity for improving the statistical methodologies for WPI, HIES including the informal sector independently.</li> </ul>	A

A: Achieved completely, B: Achieved, C: Need some works to be completed, G: Not achieved

Verifiable Indicators	Means of Verification	Source of Information	Results of Evaluation	Grade
<b>Output 2. Data obtained from NMS will be analyzed and evaluated appropriately.</b>				
2-1 Result of analysis of NMS data	<ul style="list-style-type: none"> <li>Have NMS data been reviewed and evaluated by the expert?</li> <li>Has C/P understood the methodologies to improve the NMS recommended by the expert?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Interviews and questionnaires to experts, C/P</li> </ul>	<ul style="list-style-type: none"> <li>The appointment of an expert on industrial statistics was cancelled due to circumstances on CSO side.</li> <li>Another expert, who had advised the CSO on the planning of 2003 NMS in 2003, replaced him and carried out the 2003 NMS data analysis/evaluation.</li> <li>The recommendations to improve the methodologies of NMS is being prepared by the expert.</li> <li>OJT for analysis/evaluation on 2003NMS and 2006NMS will be conducted in the 5th stage of the implementation.</li> </ul>	B
2-2 Result of evaluation of NMS data	<ul style="list-style-type: none"> <li>Has the expert compiled recommendations to improve the methodologies of NMS?</li> </ul>	same as above	same as above	B
2-3 Number of publication of NMS data	<ul style="list-style-type: none"> <li>Have the results of NMS been available to public?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>Currently the draft of 2006 NMS National Report is being prepared for publication.</li> </ul>	B
<b>Output 3. Statistical database management system will be improved</b>				
3-1 Formulation status of procedures and guideline on statistical databases operation and provision of statistical data	<ul style="list-style-type: none"> <li>Have procedures and guidelines on statistical database operation been formulated?</li> <li>Have procedures and guidelines on provision of statistical data been formulated?</li> <li>Has CSO adopted these procedures and guidelines, and been complying with them?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Interviews and questionnaires to experts, C/P</li> </ul>	<ul style="list-style-type: none"> <li>The first draft of procedures and guidelines were prepared upon consulting with the CSO counterparts in March 2006.</li> <li>The draft will be updated after the database system has been transferred to Nay Pyi Taw, and installed in the existing system of CSO.</li> </ul>	B
3-2 Number of statistical data series stored in the statistical databases	<ul style="list-style-type: none"> <li>Has C/P acquired enough skill to utilize the statistical database management system by themselves?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>Counterparts stored 740 series of data in the statistical database existing in the Project site.</li> </ul>	A
3-3 Number of training courses in statistical databases and their management system and number of participants	<ul style="list-style-type: none"> <li>Have the trainees acquired enough skill to improve the management system independently?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>See the training courses conducted as of Mar 9th, 2007 (Appendix 3).</li> <li>The trainees have acquired enough skill to improve the management system independently.</li> </ul>	A
3-4 Frequency of utilization of data in statistical database within the Ministry	<ul style="list-style-type: none"> <li>Has the statistical database been available within the Ministry?</li> <li>Have the stored data series been updated accurately and timely?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>Since the client server system in the Project site has been disconnected with the LAN system of CSO in Nay Pyi Taw in August 2006, the database access is not available either from CSO or the Ministry.</li> </ul>	C

A: Achieved completely, B: Achieved, B': Need some works to be completed, C: Not achieved

Verifiable Indicators	Means of Verification	Source of Information	Results of Evaluation	Grade
<b>Output 4.</b> Management/Operation/Maintenance systems for the client server and the LAN system will be improved.				
4-1 Formulation status of procedures and guidelines on management /operation /maintenance for the client server and the LAN system	<ul style="list-style-type: none"> <li>Have procedures and guidelines on management/ operation/ maintenance for the client server and the LAN system been formulated?</li> <li>Has CSO adopted these procedures and guidelines, and been complying with them?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Interviews and questionnaires to experts, C/P</li> </ul>	<ul style="list-style-type: none"> <li>The expert has reviewed the procedures and guidelines on management/operation/maintenance for the client server and the LAN system prepared by other experts who installed the existing system of the Project site in 2003.</li> <li>The procedures and guidelines will be updated as needed after the client and server and the LAN system have been transferred to Nay Pyi Taw, and installed in the existing system in CSO.</li> </ul>	C
4-2 Average time (by month) for the recovery from troubles in the client server and the LAN system	<ul style="list-style-type: none"> <li>Have CSO staff been able to recover from troubles in the system appropriately?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The LAN system of CSO being operated by an outside agency, the trouble records are not available to the Project team.</li> </ul>	--
4-3 Number of training courses in data security and number of participants	<ul style="list-style-type: none"> <li>Have the trainees acquired enough skill to improve the data security system independently?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The training for data security was implemented as scheduled (See Appendix 3).</li> </ul>	A
4-4 Level of understanding of CSO staff on data security	<ul style="list-style-type: none"> <li>Has C/P acquired enough skill to safely manage/operate/maintain the client server and the LAN system by themselves?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>OJTs for data security will be necessary for C/P to be able to safely manage/operate the prospective computer network system of CSO in Nay Pyi Taw, after the system in the Project site has been successfully transferred to CSO.</li> </ul>	B
<b>Output 5.</b> Statistical data provided through CSO homepage and other measures will be improved.				
5-1 Contents of CSO homepage	<ul style="list-style-type: none"> <li>Has CSO adopted the expert's recommendations to improve the contents of CSO homepage?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Interviews and questionnaires to experts, C/P</li> </ul>	<ul style="list-style-type: none"> <li>The training for homepage building was implemented as scheduled (See Appendix 3).</li> <li>The experts recommended that CSO improve the contents of homepage by including the key statistics of Myanmar, editing the tabulations for easy use, and providing the accessible site for relevant statistics users.</li> </ul>	B
5-2 Frequency of updating of CSO homepage	<ul style="list-style-type: none"> <li>Has CSO homepage been and updated more frequently?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The existing CSO homepage being run by an outside provider, it has been difficult for CSO staff to update the contents timely.</li> <li>The counterparts' skill has reached the level that they could run the CSO homepage on their own, if the Internet environment in the country be improved.</li> </ul>	B

A: Achieved completely, B: Achieved, B+: Need some works to be completed, C: Not achieved

Verifiable Indicators	Means of Verification	Source of Information	Results of Evaluation	Grade
5-3 Number and contents of recommendations on the improvement of CSO's library and their adoptions	Has CSO adopted the expert's recommendations to improve the CSO library?	same as above	<ul style="list-style-type: none"> <li>The expert has made 8 recommendations on the improvement of CSO library, and most of them have been adopted by CSO.</li> <li>CSO has adopted the digital stock (database) management system for the library, and the stock of publications was classified and labeled, according to the classification system recommended by the expert.</li> <li>A new library in Nay Pyi Taw is expected to be larger than the current library in Yangon, according to the expert's request of increasing in stock, and expanding the floor space.</li> <li>CSO understood that introducing bookshelves to replace bookcases would be more convenient for library users.</li> <li>The recommendations on improving the library services, including the library more open to outside users, remain to be implemented.</li> </ul>	A
5-4 Number and contents of recommendations on the improvement of statistical publications and their adoptions	Has CSO adopted the expert's recommendations to improve the statistical publications of CSO?	same as above	<ul style="list-style-type: none"> <li>The expert has made 11 recommendations on improvement of the Statistical Yearbook published by CSO, and most of them are expected to be adopted in preparation for the 2007 version of the Yearbook.</li> <li>The expert recommended that the coverage of statistics be widened, the English translation be attached, the contact point for reference be clarified, and the efficiency in preparation be promoted.</li> <li>The expert also recommended that the changes be made in the description of areas and international statistics, the layout of some of the tables, maps and graphs, the system of CD-ROM editions, and the description of notes for original data.</li> </ul>	A
<b>Project Purpose:</b> CSO will be able to produce statistics accurately and timely for statistical surveys implemented by CSO, and provide highly reliable data to policy makers, administrators, researchers, and other relevant users.				
1 Number and frequency of statistical surveys conducted by CSO	Has CSO adopted the experts' recommendations on regular implementation of the statistical surveys conducted by CSO?	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Interviews and questionnaires to experts, C/P</li> <li>Interviews to Directors, DG</li> </ul>	<ul style="list-style-type: none"> <li>CSO conducted the following surveys excluded from the direct guidance of the Project team: ①Regional Development Survey for Dry Zones (conducted in November 2005), ②2006 NMS (conducted in December 2006), ③Vital Statistics (monthly), ④CPI (monthly), and ⑤Trade Statistics including border trade (weekly).</li> <li>A review of Trade Statistics including costal trade is scheduled for the 5th stage of the Project implementation, according to request of CSO.</li> <li>The impacts of the Project implementation on these statistics are yet to be identified.</li> </ul>	B
2 Number and frequency of statistical document made by CSO	Has CSO adopted the experts' recommendations to improve the statistical document made by CSO?	same as above	<ul style="list-style-type: none"> <li>CSO has 6 documents excluded from the direct guidance of the Project team: ①Selected Monthly Economic Indicators (monthly), ②Child and Woman Profile 2005, ③Myanmar Industrial Report 2003, ④Foreign Trade Statistics (monthly), ⑤Statistical Yearbook 2004, and ⑥Statistical Yearbook 2005 (in preparation).</li> <li>The impacts of the Project implementation on these documents are yet to be identified.</li> </ul>	B

Verifiable Indicators	Means of Verification	Source of Information	Results of Evaluation	Grade
3 Number and contents of recommendations on the improvement of statistical publications and their adoptions	<ul style="list-style-type: none"> <li>Has CSO adopted the experts' recommendations to improve the statistical publications of CSO?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The expert has made 11 recommendations on improvement of the Statistical Yearbook published by CSO, and most of them are expected to be adopted in preparation for the 2007 version of the Yearbook.</li> <li>The expert recommended that the coverage of statistics be widened, the English translation be attached, the contact point for reference be clarified, and the efficiency in preparation be promoted.</li> <li>The expert also recommended that the changes be made in the description of areas and international statistics, the layout of some of the tables, maps and graphs, the system of CD-ROM editions, and the description of notes for original data.</li> </ul>	A
4 Contents of CSO homepage	<ul style="list-style-type: none"> <li>Has CSO adopted the experts' recommendations to improve the contents of CSO homepage?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The experts recommended that CSO improve the contents of homepage by including the key statistics of Myanmar, editing the tabulations for easy use, and providing the accessible site for relevant statistics users.</li> <li>The existing CSO homepage being run by an outside provider, it has been difficult for CSO staff to update the contents timely.</li> <li>The counterparts' skill has reached the level that they could run the CSO homepage on their own, if the Internet environment in the country be improved.</li> </ul>	B
<b>Overall Goal:</b> Statistics produced by CSO will be utilized in the drawing up process of socio-economic development plans.				
Utilization of statistical data in socio-economic development plans (Utilization of results of CSO's statistical surveys by other related ministries)	<ul style="list-style-type: none"> <li>Has the project directed CSO toward the utilization of statistical data in socio-economic development plans?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Interviews and questionnaires to experts, C/P</li> <li>Interviews to Directors, DG</li> </ul>	<ul style="list-style-type: none"> <li>The realization of the overall goal is consigned to the policy makers of Myanmar, and its progress needs to be monitored in the long perspectives.</li> </ul>	--

Summary of Planned Activities	Means of Verification	Source of Information	Achievement of Activities
1	Statistical methodologies for Wholesale Price Index (WPI), Household Income and Expenditure Survey (HIES) including the informal sector and other surveys conducted by CSO will be improved.		
1-1	<ul style="list-style-type: none"> <li>Has wholesale price survey been conducted monthly?</li> <li>Has WPI been formulated/calculated based on the survey?</li> <li>Has a pilot survey on Informal Sector been conducted?</li> <li>Has Informal Sector survey been attached to 2006 HIES?</li> <li>Have experts' recommendations to improve statistical methodologies been adopted?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Questionnaires to experts, C/P</li> <li>Interviews to experts, C/P, DG</li> </ul>	<ul style="list-style-type: none"> <li>A pilot survey of wholesale price collection for NMS-WPI in Yangon was conducted in May 2006, and monthly survey was conducted in August and September 2006. The survey was ceased from October to December 2006, but was resumed in January 2007.</li> <li>The 66 series of WPI were provisionally calculated for September 2006, using the August 2006 prices as a base. Monthly price collection will be continued through 2007, and WPI will be calculated monthly from 2008 on, using the 2007 prices as a base and updated weights based on 2006 NMS.</li> <li>A pilot survey of HIES including the Informal Sector was designed and conducted in November 2006 for 110 sample households on 9 items. However, the Informal Sector survey was not attached to 3rd HIES conducted in December 2006, due to lack of time and capacity of staff for preparation.</li> <li>CSO generally adopted the recommended methodologies for implementing the survey, analyzing the results, and producing the tabulations in preparing for the 3rd HIES.</li> </ul>
1-2	<ul style="list-style-type: none"> <li>Were OJTs for WPI and HIES including the Informal Sector implemented as scheduled?</li> <li>Review on the subjects, the number of participants, and the extent of their understanding of OJTs for WPI, HIES, and Informal Sector.</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The number of C/P participants and the days of OJTs were noticeably decreased in the second year (See Appendix 1).</li> <li>The days of OJTs given by the experts for WPI, HIES, and Informal Sector were noticeably shortened in the second year (See Appendix 2).</li> <li>The counterparts have strengthened the capacity of designing, implementing, and analyzing the surveys, and improving the statistical methodologies for WPI and HIES including the Informal Sector by OJTs.</li> </ul>
1-3	<ul style="list-style-type: none"> <li>Has C/P acquired enough skill to manage/operate/maintain the client server and the LAN system in CSO?</li> <li>Review on subjects, days, the number of participants, and the extent of their understanding of the training courses for statistical software.</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The training seminars have been implemented as scheduled (See Appendix 3).</li> <li>C/P will need the OJTs to be able to manage/operate/maintain the client server and the LAN system of CSO in Nay Pyi Taw, after the system in the Project site has been successfully transferred to CSO.</li> </ul>
1-4	<ul style="list-style-type: none"> <li>Have the statistical seminars promoted recognitions of the Project for CSO, Ministries and other participants?</li> <li>Review on the date/place, the number of participants, the subjects of discussions of the seminars.</li> </ul>	same as above	<ul style="list-style-type: none"> <li>A one-day statistical seminar was held at Traders Hotel in February 2006. Sixty-two (62) officials from CSO and other Ministries, researchers, and students actively participated and discussed after the presentations made by the CSO counterparts.</li> <li>The second half-a-day seminar has been scheduled on 12 March 2007 at the same hotel.</li> </ul>
2	Data obtained from NMS will be analyzed and evaluated appropriately.		

Summary of Planned Activities	Means of Verification	Source of Information	Achievement of Activities
2-1 Analysis and evaluation of NMS data	<ul style="list-style-type: none"> <li>Have NMS data been reviewed and evaluated appropriately by the expert?</li> <li>Has the expert compiled recommendations to improve the methodologies of NMS?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Questionnaires to experts, C/P</li> <li>Interviews to experts, C/P, DG</li> </ul>	<ul style="list-style-type: none"> <li>The appointment of an expert on industrial statistics was cancelled, and another expert who had advised the CSO on the planning of 2003 NMS, replaced him in February 2007 and carried out the 2003 NMS data analysis/evaluation.</li> <li>The English version of the draft of 2003 NMS National Report was made available in July 2006 to the expert team.</li> <li>The cross tabulations necessary for NMS data analysis were produced by the CSO staff, and provided to the expert team in October 2006.</li> <li>These factors had delayed the start of implementation of activities in the subject for several months, but the newly assigned expert examined and analyzed the 2003 NMS data, and compiled the recommendations.</li> </ul>
2-2 Implementation of OJTs for the analysis and evaluation of NMS data	<ul style="list-style-type: none"> <li>Has C/P understood the methodologies to improve the NMS recommended by the expert?</li> <li>Review on subjects, days, the number of participants, and the extent of their understanding of the OJTs for NMS.</li> </ul>	same as above	<ul style="list-style-type: none"> <li>Implementation of OJTs for the analysis and evaluation of NMS data has not been achieved as of March 2007.</li> </ul>
3 Statistical database management system will be improved			
3-1 Formulation of procedures and guidelines on statistical database operation and provision of statistical data	<ul style="list-style-type: none"> <li>Have procedures and guidelines on statistical database operation formulated?</li> <li>Have procedures and guidelines on provision of statistical data formulated?</li> <li>Has CSO adopted and complied with the formulated procedures and guidelines?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Questionnaires to experts, C/P</li> <li>Interviews to experts, C/P, DG</li> </ul>	<ul style="list-style-type: none"> <li>The first draft of procedures and guidelines were prepared upon consulting with the CSO counterparts in March 2006.</li> <li>The draft will be updated as needed after the database system has been transferred to Nay Pyi Taw, and installed in the prospective LAN system in CSO.</li> </ul>
3-2 Development of the CSO statistical database	<ul style="list-style-type: none"> <li>Number of statistical data stored in the statistical database</li> <li>Frequency of utilization of data in statistical database within the Ministry</li> <li>Average time (by month) for the recovery from troubles in the client server and the LAN system</li> </ul>	same as above	<ul style="list-style-type: none"> <li>Counterparts stored 740 series of data in the statistical database existing in the Project site.</li> <li>Since the computer network system in the Project site has been separated from CSO in Nay Pyi Taw in August 2006, the database access is not available either from CSO or the Ministry.</li> <li>The Internet system of CSO being operated by an outside agency, the trouble records are not available to the Project team.</li> </ul>
3-3 Implementation of trainings for the statistical database management system	<ul style="list-style-type: none"> <li>Has C/P acquired enough skill to utilize the statistical database management system by themselves?</li> <li>Number of training courses and number of participants in the training for the statistical database management system</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The training for the statistical database management were implemented as scheduled (See Appendix 3).</li> <li>After the training C/P and CSO staff cooperated in building the statistical database by themselves without any assistance of the experts.</li> </ul>
4 Management/Operation/Maintenance systems for the client server will be improved.			



Summary of Planned Activities	Means of Verification	Source of Information	Achievement of Activities
4-1 Formulation of procedures and guidelines on management/operation/maintenance for the client server and the LAN system	<ul style="list-style-type: none"> <li>Have procedures and guidelines on management/operation/maintenance for the client server and the LAN system formulated?</li> <li>Has CSO adopted and complied with the formulated procedures and guidelines?</li> </ul>	<ul style="list-style-type: none"> <li>Records of implementation</li> <li>Questionnaires to experts, C/P</li> <li>Interviews to experts, C/P, DG</li> </ul>	<ul style="list-style-type: none"> <li>The expert has reviewed the procedures and guidelines on management/operation/maintenance for the client server and the LAN system prepared by other experts who installed the existing system of the Project site in 2003.</li> <li>The procedures and guidelines will be updated as needed after the client and server and the LAN system have been transferred to CSO in Nay Pyi Taw.</li> </ul>
4-2 Installation of management/operation/maintenance systems for the client server and the LAN system	<ul style="list-style-type: none"> <li>The status of utilization of the system within CSO and the Ministry</li> <li>The status of management/operation/maintenance for the system in CSO</li> </ul>	same as above	<ul style="list-style-type: none"> <li>Since the client server system in the Project site has been separated from CSO in Nay Pyi Taw in August 2006, the system is not usable either by CSO or the Ministry.</li> </ul>
4-3 Implementation of O/Ts for the management/operation/maintenance of the client server and the LAN system	<ul style="list-style-type: none"> <li>Has C/P acquired enough skill to manage/operate/maintain the client server and the LAN system by themselves?</li> <li>Number of training courses and number of participants in the training for management/operation/maintenance for the system</li> </ul>	same as above	<ul style="list-style-type: none"> <li>O/Ts will be necessary for C/P to be able to manage/operate/maintain the prospective LAN system of CSO in Nay Pyi Taw, after the system in the Project site has been successfully transferred to CSO.</li> </ul>
4-4 Implementation of trainings for data security	<ul style="list-style-type: none"> <li>Number of training courses and number of the participants in the training for data security</li> <li>Level of understanding of CSO staff on data security</li> </ul>	same as above	<ul style="list-style-type: none"> <li>The training for data security was implemented as scheduled (See Appendix 3).</li> <li>O/Ts for data security will be necessary for C/P to be able to safely manage/operate the client server and the LAN system of CSO in Nay Pyi Taw, after the system in the Project site has been successfully transferred and connected to the existing computer network system in CSO.</li> </ul>
5 Statistical data provided through CSO homepage and other measures will be improved			
5-1 Updating and improvement of CSO homepage	<ul style="list-style-type: none"> <li>Has CSO homepage been improved, and updated more frequently?</li> <li>Number of statistics uploaded in CSO homepage</li> <li>Number of access to CSO homepage</li> <li>Frequency of updating of CSO homepage</li> <li>Number of days from the release of statistical data within the Ministry until the upload in CSO homepage</li> </ul>	<ul style="list-style-type: none"> <li>CSO records of implementation</li> <li>Questionnaires to experts, C/P</li> <li>Interviews to experts, C/P, DG</li> </ul>	<ul style="list-style-type: none"> <li>The training for homepage building was implemented as scheduled (See Appendix 3).</li> <li>The experts recommended that CSO would improve the contents of homepage by including the key statistics of Myanmar, editing the tabulations for easy use, and providing the accessible site for relevant statistics users.</li> <li>The existing CSO homepage being run by an outside provider; it has been difficult for CSO staff to update the contents timely.</li> <li>The counterparts' skill has reached the level that they could run the CSO homepage on their own, if the Internet environment in the country be improved.</li> </ul>

Summary of Planned Activities	Means of Verification	Source of Information	Achievement of Activities
5-2 Improvement of the usage of CSO statistical products including those in the CSO's library	<ul style="list-style-type: none"> <li>• Number of users of CSO's library</li> <li>• Number of issues and sales quantity of statistical publications</li> <li>• Number of recommendations for improvement of the statistical library/publications of CSO, and number of adopted recommendations by CSO</li> </ul>	same as above	<ul style="list-style-type: none"> <li>• The experts compiled the recommendations of the classification system to be used in the CSO library, and introduction of the digital stock management system (database system) for the library.</li> <li>• The stock of publications was classified and labeled according to the recommended classification system.</li> <li>• CSO has accepted the expert's recommendations of an increase in stock, and an expansion of the floor space for the new library in Nay Pyi Taw.</li> <li>• The recommendations on improving the library services, including the library more open to outside users, remain to be implemented, when the circumstance would permit.</li> <li>• CSO will adopt the expert's recommendations of improving the Statistical Yearbook in preparation for the 2007 edition, after the Project has been completed.</li> </ul>
<b>Management of Project Implementation</b>			
1 Monitoring System	<ul style="list-style-type: none"> <li>• In what way did the Project team monitor, and confirm the progress in the Project activities?</li> <li>• How often did the Project team meet to discuss the issues in the Project implementation?</li> <li>• How often was the progress in the Project implementation reported to DG and the Minister?</li> <li>• In what way were the issues in the Project implementation discussed and solved?</li> </ul>	<ul style="list-style-type: none"> <li>• CSO records of implementation</li> <li>• Questionnaires to Program managers and experts</li> <li>• Interviews to Program managers, experts, DG, and JICA officers</li> </ul>	<ul style="list-style-type: none"> <li>• The Project team met and confirmed the progress in activities, and discussed the issues in implementations approximately once a month.</li> <li>• When DG came to Yangon, Project team reported him the progress in activities, and discussed issues to be decided approximately once in every stage of the implementation.</li> <li>• The Project team never had a chance to see the Minister, therefore no progress report was made to him personally.</li> <li>• The Project team requested JICA the additional procurement of equipment, and dispatch of experts at the ICC meeting.</li> </ul>
2 Modifications of PDM	<ul style="list-style-type: none"> <li>• Has the PDM been modified to comply with the situations surrounding the Project site?</li> </ul>	same as above	The PDM has been revised in March 2006 to modify some of the indicators for evaluation, and the activities for the reasons stated in the Minutes of Meetings. (See the original version of PDM in Appendix 4).
3 Changes in Preconditions	<ul style="list-style-type: none"> <li>• Has the precondition been changed after the Project started? If it has, who responded to cope with the changes, and in what way?</li> </ul>	same as above	The Government of Myanmar recognizes the importance of accurate and timely production of statistics for its policy making.
4 Communication and Confidence	<ul style="list-style-type: none"> <li>• Has communication between experts and C/P been secured, and confidence been built for smooth implementation of the Project?</li> <li>• Has communication between the Project team and DG been secured, and confidence been built for smooth decision makings?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>• Communication between experts and C/P has been secured, and confidence been built for smooth implementation of the Project, thereby contributed to the achievement of the Project outputs.</li> <li>• Communication between the Project team and DG has been limited for smooth implementation of the Project, due to the geographical distance between CSO and the Project site.</li> </ul>

Summary of Planned Activities	Means of Verification	Source of Information	Achievement of Activities
5 Recognition of Issues	<ul style="list-style-type: none"> <li>• Have experts and C/P been sharing the purpose of and interest in the Project implementation?</li> <li>• Do the Ministry and other Agencies concerned recognize the purpose and importance of the Project?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>• The experts and C/P shared the purpose of and interest in implementing OJTs and training courses, and they successfully cooperated to accomplish the Project outputs.</li> <li>• The Ministry and other Agencies concerned recognized the purpose and importance of the Project, when they attended the JCC meetings, and the statistical seminars conducted by the COST counterparts.</li> </ul>
6 Ownership	<ul style="list-style-type: none"> <li>• Was the involvement of C/P and DG in the Project implementation satisfactory?</li> <li>• Were they spontaneous and responsible in carrying out the Project activities?</li> <li>• Did the Ministry and other Agencies concerned show interest in the Project activities?</li> <li>• Were C/P assigned appropriately for smooth implementation of the Project?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>• The fact that almost all the CSO activities are being carried out in Nay Pyi Taw has obliged to limit the time that DG can devote to the Project.</li> <li>• CSO has made utmost efforts to cooperate in the Project implementation by locating two Directors of the substantive Divisions, sending C/P and other staffs from Nay Pyi Taw to Yangon to work with the JICA experts according to the time schedule of the Project team, and letting a number of relevant staffs participate in the training course for an extended period.</li> <li>• C/P and other CSO staffs were engaged in OJTs and training sessions ardently and spontaneously, and have reached the level of skill and understanding that would be sustained and utilized in CSO.</li> <li>• The Ministry and other Agencies concerned showed interest in the Project activities, when they attended the JCC meetings, and the statistical seminars conducted by the CSO counterparts</li> </ul>
7 Project Management	<ul style="list-style-type: none"> <li>• Has the responsibility for the Project management been appropriately shared between Project Manager and Chief Advisor?</li> <li>• Have the local running costs been appropriately shared between CSO and JICA?</li> </ul>	same as above	<ul style="list-style-type: none"> <li>• The move of CSO to Nay Pyi Taw has affected the implementation and monitoring of the Project activities to some extent.</li> <li>• To overcome this situation, the Project team and the Directors of CSO stationed in Yangon had frequent meetings to discuss the progress in the activities, and the future direction.</li> <li>• CSO has made utmost efforts to cooperate in the Project implementation by locating two Directors of the substantive Divisions, and sending C/P and other staffs from Nay Pyi Taw to Yangon to work with the experts, in addition to the rooms available for the experts with furniture and equipment, including PCs procured on its own account for the training courses.</li> </ul>