

APPENDIX NO. 7

to the

AGREEMENT

between the

AMERICAN INSTITUTE IN TAIWAN

and the

BUREAU OF RECLAMATION

for

TECHNICAL ASSISTANCE IN AREAS OF
WATER RESOURCES DEVELOPMENT

APPENDIX NO. 7
TECHNICAL ASSISTANCE AND COOPERATION FOR
SEDIMENTATION PROJECTS IN TAIWAN

I. Purpose of the Appendix

1. This Appendix authorizes the Bureau of Reclamation (Reclamation) to perform the following reimbursable services for the American Institute in Taiwan (AIT) under the Agreement:

- a. Develop engineering techniques to control and reduce reservoir sediment inflow;
- b. Develop management guidelines and techniques to reduce reservoir sediment inflow;
- c. Develop computer simulation model to improve sedimentation management techniques;
- d. Develop reservoir sedimentation survey techniques and guidelines;
- e. Develop training programs and provide technology transfer programs through training courses and on-the-job training.

The techniques, guidelines, model, training and technology transfer programs being developed under this Appendix are for the benefit of the Ministry of Economic Affairs (MOEA) and other organizations in Taiwan. To accomplish the purpose of the Appendix and meet MOEA's actual needs, Reclamation will prepare a Master Plan of Study (the "Study"), the contents of which will be determined by Reclamation and MOEA within ninety (90) days after the signing of this Appendix. Moreover, pursuant to MOEA's budgetary requirements, Reclamation will submit its services proposal on an annual basis for MOEA's review before July of each year.

2. The MOEA, acting through the Taipei Economic and Cultural Representative Office in the United States (TECRO formerly CCNAA), will perform the following tasks for Reclamation at no cost to AIT or Reclamation:

- a. Evaluate effective dredging and flushing techniques to reduce reservoir sedimentation;
- b. Provide information and data regarding Taiwan needed for Reclamation to carry out the services specified in Item 1.

3. Reclamation, acting through AIT, will provide the following items for MOEA at no cost to TECRO or the MOEA. The estimated annual and total costs to be borne by Reclamation are \$75,000 and \$300,000, respectively:

- a. Provide literature review regarding reservoir sedimentation removal techniques, utilization of dredged materials, and environmental impacts;
- b. Provide Taiwan with storage capacity preservation guidelines;
- c. Provide literature review regarding sediment inflow predictive models and methods;
- d. Provide literature review and evaluation of sedimentation survey techniques;
- e. Provide Taiwan with reservoir sedimentation simulation model.

II. Estimated Cost of Services

The estimated reimbursable annual costs for the services to be provided by Reclamation are US \$250,000, and the total estimated reimbursable costs for the 4-year service are US \$1,000,000 (one million U.S. dollars). Reclamation will bill AIT for actual costs incurred, but these costs are not to exceed the estimated annual costs. These costs include base salary, benefits, administrative overhead, travel, per diem, computer and other associated costs. The actual annual costs, however, are subject to the available funding provided by MOEA and the services provided by Reclamation pursuant to the Study.

III. Financial Provisions

Payments and other financial arrangements shall be as set forth in Article VII, as amended, of the Agreement.

IV. Liaison

Chih Ted Yang will serve as the Reclamation Liaison Officer for AIT, and Cheng-Daw Hsieh will serve as the MOEA Liaison Officer for TECRO to coordinate activities specified in this Appendix. Depending upon the needs, an annual or every-other-year meeting may be held, and the cost of attendance at the meetings will be borne by the participating countries.

V. Duration

This Appendix will become effective upon the date of the last signature of the duly authorized representatives of Reclamation and AIT, and will remain in effect until the services described herein, or as amended, are completed. The estimated duration is 4 years. Either party may terminate this Appendix as provided for in Article XII of the Agreement.

VI. Authorizing Signatures

For the
AMERICAN INSTITUTE IN TAIWAN

For the
BUREAU OF RECLAMATION

Raymond
Deputy Managing Director

John V. Magnum
FOR Commissioner

Aug 30 1996
Date

AUG 23 1996
Date