

PROJECT APPRAISAL REPORT (PAR)

PD-ADD-436-C1

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1. PROJECT NO. 489-11-250-609	2. PAR FOR PERIOD: FY 68 TO FY 71	3. COUNTRY Korea	4. PAR SERIAL NO. 71-8
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5. PROJECT TITLE

Water Resources Development

6. PROJECT DURATION: Began FY <u>1966</u> Ends FY <u>1971</u>	7. DATE LATEST PROP Dec. 15, 1969	8. DATE LATEST PIP April 15, 1970	9. DATE PRIOR PAR -
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10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 1,361,200	b. Current FY Estimated Budget: \$ 316,300	c. Estimated Budget to completion After Current FY: \$ 0-Terminating
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME	b. CONTRACT, PASA OR VOL. AG. NO.
PASA - Bureau of Reclamation	PASA FE-24-65
PASA - U.S. Geological Survey	PASA FE-25-65

5p-

I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X)			B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
USAID	AID/W	HOST		
			N/A - Terminating	

D. REPLANNING REQUIRES	E. DATE OF MISSION REVIEW
REVISED OR NEW: <input type="checkbox"/> PROP <input type="checkbox"/> PIP <input type="checkbox"/> PRO AG <input type="checkbox"/> PIC/T <input type="checkbox"/> PIC/C <input type="checkbox"/> PIO/P	-

PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE John B. Delaney <i>[Signature]</i>	MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE Michael H. B. Adler <i>[Signature]</i>
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II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS

A. INPUT OR ACTION AGENT CONTRACTOR, PARTICIPATING AGENCY OR VOLUNTARY AGENCY	B. PERFORMANCE AGAINST PLAN							C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X)					
	UNSATISFACTORY		SATISFACTORY			OUTSTANDING		LOW		MEDIUM		HIGH	
	1	2	3	4	5	6	7	1	2	3	4	5	
1. PASA - Bureau of Reclamation					X								X
2. PASA - U.S. Geological Survey					X								X
3.													

Comment on key factors determining rating

Project completed. Aside from some delays in recruitment of USBR personnel at the beginning of the project, the work was carried out in a very satisfactory manner. The presence of the PASA personnel was essential to achievement of project goals.

4. PARTICIPANT TRAINING					X								X	
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Comment on key factors determining rating

Participant training was highly desirable in meeting the objectives of the project, but not absolutely essential. The participant training for the project was very satisfactory for those who participated, but there were a few disappointments in getting candidates ready to go after the positions were established.

5. COMMODITIES				X									X	
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Comment on key factors determining rating

Procurement and use of commodities were satisfactory and as planned. While important, only a few of the commodities could be considered critical in meeting project objectives.

6. COOPERATING COUNTRY	a. PERSONNEL						X							X
	b. OTHER					X								X

Comment on key factors determining rating

Competent personnel and good cooperation from the host country were essential to achievement of project goals. In general, excellent personnel was furnished. The interest and attitude of high government officials were very good, but the host country budget was usually a little on the low side.

7. OTHER DONORS														
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(See Next Page for Comments on Other Donors)

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11. 7. Continued: Comment on key factors determining rating of Other Donors

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					
		CUMU- LATIVE PRIOR FY	CURRENT FY 71		FY ____	FY ____	END OF PROJECT
			TO DATE	TO END			
Participant Training. * These 9 participants have been funded.	PLANNED	26	9	9	-	-	35
	ACTUAL PERFORM- ANCE	26	9*				
	REPLANNED			-	-	-	-
Revised/Updated weather and Hydrologic Station Networks.	PLANNED	11	-	-	-	-	11
	ACTUAL PERFORM- ANCE	11	-				
	REPLANNED			-	-	-	-
Ground water observation wells construction.	PLANNED	50	10	10	-	-	50
	ACTUAL PERFORM- ANCE	40	10				
	REPLANNED			-	-	-	-
	PLANNED						
	ACTUAL PERFORM- ANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT: Soyang project is now under construction. It is						
1. Preliminary study of Soyang and Chungju projects completed for purposes determining capa- bilities with final Basin-Wide plan.	being built to dimensions recommended by Survey Team. It is first project in Korea to fully utilize the multi-purpose concept and to develop the water resource at its location to the economic optimum.						
2. Interim report prepared. Outlines general plan for Water Resources Development, Han River Basin, including preliminary navigation studies.	COMMENT: This report served the important purpose of informing everyone of the general shape of the plan to be forthcoming so as to forestall short-sighted plans which would not fit in with long-range ultimate plan. Report had other value in training and general education.						
3. Preparation of report on pilot study area of ground water observation investi- gations.	COMMENT: This report covered the most intensively used ground water area in the Han River Basin. Much use is being made of the findings and conclusions of the study. The pilot area study served also to reach conclusions regarding the availability of ground water over the entire basin.						

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II. 7. Continued: Comment on key factors determining rating of Other Donors

Continuation Sheet - See III B - Below.

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMU- LATIVE PRIOR FY	CURRENT FY		FY ____	FY ____	
			TO DATE	TO END			
PLANNED							
	ACTUAL PERFORM- ANCE						
	REPLANNED						
PLANNED							
	ACTUAL PERFORM- ANCE						
	REPLANNED						
PLANNED							
	ACTUAL PERFORM- ANCE						
	REPLANNED						
PLANNED							
	ACTUAL PERFORM- ANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT:					
x 4. Draft of final report and all supporting appendices thereto, prepared.		This report represents the final results of the 5-year study. It describes and recommends a long-range plan for development of the Han River Basin and provides a basis for future planning of a detailed nature prior to construction of each project.					
x 5. Publication and distribution of final report series.		COMMENT: Report series will be distributed widely throughout ROK government and to all other interested parties. A Korean language edition will be prepared by the ROKG for additional distribution in Korea.					
x 6. Training of Korean Engineers & Technicians in Water Resources.		COMMENT: This was an important part of the program. A group of Korean technicians has been trained in methods and techniques of this work. They will be able to continue water resources planning and train others.					

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IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.

2. Same as in PROP? YES NO

Formulation of a long-range plan for overall development of the water resources of the Han River Basin.

<p>B. 1. Conditions which will exist when above purpose is achieved.</p>	<p>2. Evidence to date of progress toward these conditions.</p>
<p>These will be a basic framework plan for overall development within which each segment of the plan can be constructed as it is needed with full assurance that the ultimate development will be the optimum for the Han River Basin.</p> <p>There will also be a group of Koreans with detailed knowledge of the basin plan and capable of rendering substantial assistance in implementing the plan.</p>	<ol style="list-style-type: none"> 1. The final report series outlining the plan. 2. The existence of the Korea Water Resources Development Corporation with authority to plan, construct, and operate water resource projects. 3. The existence of the Water Resources Development Council for making policy and establishing priorities. 4. Soyang project under construction as a part of the Han River Basin Plan. 5. A general recognition among high ROKG officials that efficient and full development of Korea's water resources is essential to Korea's future prosperity and well-being.

V. PROGRAMMING GOAL

A. Statement of Programming Goal

To fully exploit the potential of the Han River Basin as a developmental resource.

B. Will the achievement of the project purpose make a significant contribution to the programming goal, given the magnitude of the national problem? Cite evidence.

Yes, it is essential to attaining the goal. These must be a long-range plan and this must be implemented as required to furnish water supplies for industrial expansion and population growth. There is an increasing awareness among ROKG officials that water is essential to other kinds of development, and that the available water resources must be developed efficiently. This is seen in the creation of the Water Resources Development Corporation in 1967, the Water Resources Development Council in 1970, the preparations (currently underway) of long-range plans in three other river basins in Korea, and other government agency re-organizations to facilitate water development.