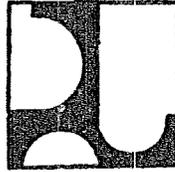


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REPUBLIC OF INDONESIA  
MINISTRY OF PUBLIC WORKS  
DIRECTORATE GENERAL CIPTA KARYA  
DIRECTORATE OF SANITARY ENGINEERING

CONTRACT FOR CONSULTANT SERVICES  
FOR  
SURAKARTA WATER SYSTEM  
NO. 01/WS-S/1/AID/78

MONTHLY PROGRESS

**REPORT NO. 1  
OCTOBER 1978**

BURNS & McDONNELL ENGINEERING COMPANY, INC.  
AND  
TRANS-ASIA ENGINEERING ASSOCIATES, INC.  
A JOINT VENTURE

10 October. The Chief Engineer and Cipta Karya Resident Engineer (Ir. Ramli Hasjim) accompanied USAID officials for inspection of the proposed transmission pipeline route from Cokrotulung Spring to Jebres Reservoir, and also the new 300 mm. water distribution main loop being constructed across the southern part of the City.

12 October. Reconnaissance by Chief Engineer of possible alternate route for a section of the proposed transmission pipeline.

13-31 October. Reconnaissance of the City and adjacent areas. Inventory of local retail shps for furniture and furnishings for three houses being prepared for occupancy by expatriate personnel now being mobilized.

26 October. Contract No. 01/WS-S/I/AID/78 for consulting engineering services for the Surakarta Water System was signed in Jakarta.

30 & 31 October. Mr. E. Evanson inspected the entire project area accompanied by the Chief Engineer.

VISITORS TO THE PROJECT

3 and 4 October.

Mr. Gary Ward, Finance officer, Trans-Asia Engineering Associates.

10 and 11 October.

Mr. Robert E. Davis, Engineer, USAID

Mr. Paul B. Thorn, Engineer, USAID

Mr. Walter McAleer, Engineer, USAID

Mr. Fred M. Tileston, Engineer, USAID

10, 11 and 12 October.

Dr. Ferdinand E. Okada, Consultant Antropologist, USAID

30 October - 1 November.

Mr. Ed. Evanson, Pres. Trans-Asia Engineering Associates.

LETTERS RECEIVED DURING OCTOBER 1978

NO./DATE OF LETTER	TO	FROM	SUBJECT
File 78-877-2 23 August	John Thompson, Jakarta. (copy to Surakarta)	Weston Goodnow, Kansas City	Identification of proposed piping for Reservoirs
File 78-877-2 23 August	John Thompson, Jakarta. (copy to Surakarta)	Weston Goodnow, Kansas City	Off-shore purchase contracts - List H.
II/1746 7 September	Ir. S. Martodiningrat Cipta Karya, Jakarta. (copy to BM/TAE)	Albert Grayson, USAID, Jakarta	Groundwater Investigation at Surakarta
File 78-877-2 11 September	American C.I. Pipe, Birmingham, AL. (copy to BM/TAE Jakarta)	W. Goodnow, Kansas City	Off-shore purchases - piping for connect- ing proposed pipeline to existing mains.
Ref. KU 01 04 02 30 September	BM/TAE, Jakarta	Cipta Karya Jakarta	Notice to proceed with services
Ref. HL 01 01 11 2 October	BM/TAE, Jakarta	Cipta Karya Jakarta	Approval of expatriates personnel schedule
1162/BM/TAE/78 23 October	Donald Dewart, Surakarta	John Thompson, Jakarta	Work priorities
1163/BM/TAE/78 27 October	Donald Dewart, Surakarta	John Thompson, Jakarta	Introduction for Ir. A.S. Dengah
1169/BM/TAE/78 28 October	Donald Dewart, Surakarta	John Thompson, Jakarta	Right-of-way for proposed transmission pipeline.

## LETTERS SENT DURING OCTOBER 1978

NO./DATE OF LETTER	TO	FROM	SUBJECT
1144/BM/TAE/78 10 October	Burns & McDonnell Kansas City	BM/TAE, Jakarta	Personnel
1145/BM/TAE/78 10 October	B.B. Bayongan Metro Manila	BM/TAE, Jakarta	Employment
1146/BM/TAE/78 10 October	T.G. Fodor Taft, CA	BM/TAE, Jakarta	Employment
1147/BM/TAE/78 10 October	J.T. Beirn	BM/TAE, Jakarta	Employment
1158/BM/TAE/78 26 October	Cipta Karya Jakarta	BM/TAE, Jakarta	Request for payment
1159/BM/TAE/78 26 October	Cipta Karya Jakarta	BM/TAE, Jakarta	Request for Mobilization Payment
01/BM/TAE/SKA/78 27 October	Akademi Tehnik Mesin Industri Surakarta	BM/TAE, Surakarta	Purchase two filing cabinets
02/BM/TAE/SKA/78 28 October	Cipta Karya Semarang	BM/TAE, Surakarta	Status of pipe procurement

# BEST AVAILABLE DOCUMENT

SIRAPARTA WATER SYSTEM  
 ACTIVITIES REPORT IN MAN-MONTHS  
 FOR THE MONTH OF OCTOBER 1978  
 Burns & McDonnell/Trans-Asia Engineering Assoc.

CONTRACT NO. 01/WS-3/I/AIB/78 SIGNED 26 OCT, 1978 START 1 OCT, 1978 END 31 JAN, 1981	NUMBER OF MAN-MONTHS									
	THIS MONTH OCTOBER 1978					CUMULATIVE (a) THROUGH 31 OCTOBER 1978				
	PROFESSIONAL & TECHNICAL			Local		PROFESSIONAL & TECHNICAL			Local	
	For- eign	Local	Total 1 + 2	Sup- port	Total 3 + 4	For- eign	Local	Total 6 + 7	Sup- port	Total 8 + 9
ACTIVITY	1	2	3	4	5	6	7	8	9	10
ASSISTANCE DURING TENDERING	-	-	-	-	-	6.5	-	6.5	-	6.5
SUPERVISION OF PIPELINE CONSTRUCTION	0.4	-	0.4	1.6	2.0	0.4	-	0.4	1.6	2.0
WATER SYSTEM MANAGEMENT ASSISTANCE	0.1	-	0.1	0.5	0.6	0.1	-	0.1	0.5	0.6
OPERATION AND MAINTENANCE ASSISTANCE	0.1	-	0.1	0.5	0.6	0.1	-	0.1	0.5	0.6
WATER METER ASSISTANCE	0.1	-	0.1	0.5	0.6	0.1	-	0.1	0.5	0.6
GROUNDEWATER INVESTIGATION AND LEVELING	0.3	-	0.3	1.5	1.8	0.3	-	0.3	1.5	1.8
TOTAL	1.0	-	1.0	4.6	5.6	7.5	-	7.5	4.6	12.1

(a) 6.5 man-months of assistance during off-shore contracting for manufacture of pipe and equipment for water system, during first half of 1978.

SURAKARTA WATER SYSTEM  
 REPORT OF MAN-MONTHS BY SKILLS  
 Burns & McDonnell/Trans-Asia Engineering Assoc.

CONTRACT NUMBER 01/WS-S/I/AID/78 SIGNED 26 OCTOBER 1978 START 1 OCTOBER 1978 END 31 JANUARY 1981 TYPE OF SKILL	NUMBER OF MAN-MONTHS					
	FOR THE MONTH OCTOBER 1978			CUMULATIVE THROUGH 31 OCTOBER 1978		
	PROFESSIONAL & TECHNICAL		Local Support	PROFESSIONAL & TECHNICAL		Local Support
	Foreign	Local		Foreign	Local	
ENGINEERING & MANAGEMENT						
Procurement Engineer	-	-	-	6.5	-	-
Chief Engineer	1	-	-	1	-	-
Pipeline Supervision	-	-	-	-	-	-
Pipeline Inspection	-	-	-	-	-	-
Technical Translator	-	-	-	-	-	-
Hydrogeologist	-	-	-	-	-	-
Well Drilling Specialist	-	-	-	-	-	-
Management Specialist	-	-	-	-	-	-
O & M Specialist	-	-	-	-	-	-
Meter Repair Specialist	-	-	-	-	-	-
Draftsman	-	-	-	-	-	-
TOTAL ENG. & MGMT.	1	-	-	7.5	-	-
ADMINISTRATION						
Office Manager	-	-	1	-	-	1
Secretary	-	-	1	-	-	1
Accountant	-	-	-	-	-	-
Typist	-	-	-	-	-	-
Clerk	-	-	-	-	-	-
Driver	-	-	1	-	-	1
Laborer	-	-	1.6	-	-	1.6
TOTAL ADMINISTRATION	-	-	4.6	-	-	4.6
TOTAL	1	-	4.6	7.5	-	4.6

SURAKARTA OFFICE STAFF

- Donald Dewart, Chief Engineer  
arrived 29 September
- Dradjat Atmardjo, Office Manager  
arrived 2 October
- Mohamad Khalil, Materials Coordinator  
arrived 2 October
- Dale Satterfield, Housing Expediter  
left Surakarta 4 October
- Hermani Guntur, Secretary  
hired 2 October
- Pamoedji Rahardjo, Driver  
hired 2 October
- Sukarli, Office Boy/Labour  
hired 9 October - terminated 31 October
- Mulyatmono, Watchman/Labour  
hired 9 October

WORK SCHEDULED FOR NEXT MONTH

Initiate the program of providing management advisory services to the Surakarta Water Enterprise.

Initiate the groundwater exploration program.

Initiate the operation and maintenance advisory program.

Study the route of the proposed transmission pipeline, to prepare recommendations for the required land easements and permits for construction.

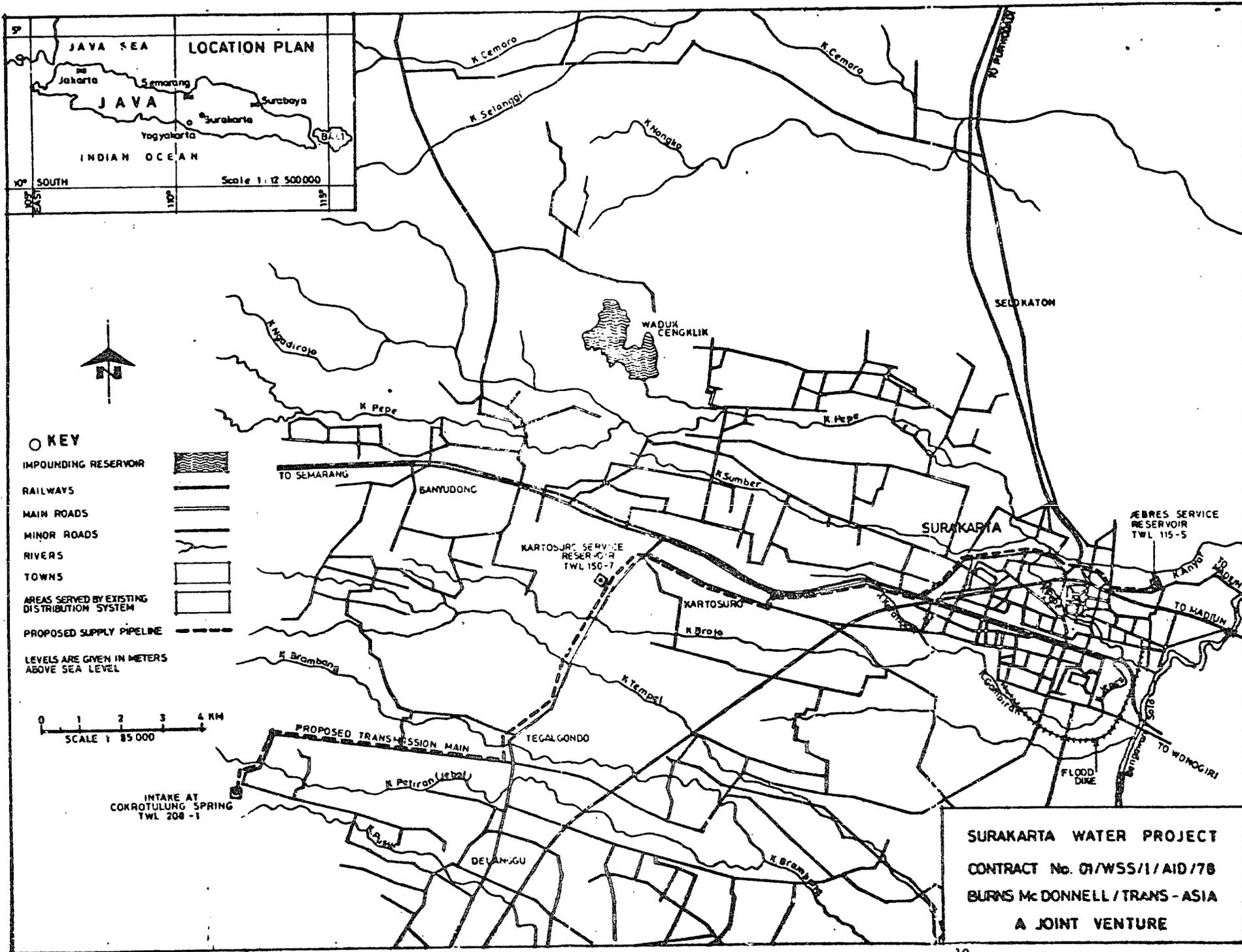
Prepare a PERT diagram for the activities included in the engineering contract.

Review and revise the project activity schedule (Chart No, 1 in Appendix III of the engineering contract).

Observe and report on the Distribution Main Construction Work.

Initiate contract to rewire Cipta Karya office building in Surakarta, to up-date the lighting system.

Initiate inspection of equipment and facilities of contractors eligible to receive invitations to bid on contracts for transmission pipeline and well drilling contracts.



## TABLE OF CONTENTS

<u>Title</u>	<u>Page</u>
Narrative Report for October 1978	1
Visitors to the Project	3
Letters Received	4
Letters Sent	5
Activities Report in Man-Months	6
Report of Man-Months by Skills	7
Surakarta Office Staff	8
Work Scheduled for Next Month	9
Location Map	10

SURAKARTA WATER SYSTEM  
NARRATIVE REPORT FOR OCTOBER 1978

The Consultant's Chief Engineer arrived in Surakarta on 29 September, 1978.

30 September. The Chief Engineer discussed the project briefly with Ir. Suwandi in Cipta Karya Central Java office in Semarang.

30 September. A letter of notice to proceed was issued by Cipta Karya in Jakarta.

1 October. The water project files for 1975-1978 were transferred from Consultant's Jakarta office to Surakarta.

2 October. The Consultant occupied office space in part of the Cipta Karya office at Jalan Brigadir Jenderal Sudiarto 534 in Surakarta.

3 October. Mr. Gary Ward, from Consultant's Jakarta office, set up accounting procedures with Consultant's staff in Surakarta. A Toyota Land Cruiser (Jeep) was purchased.

4 to 6 October. The staff reviewed and organized the existing files, most of which were compiled in the former office in Semarang in 1975 and 1976.

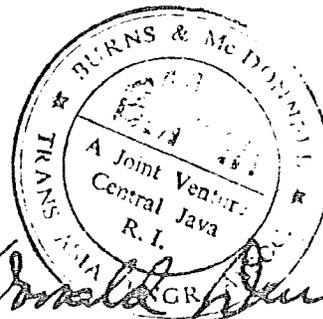
7 October. A reconnaissance was made of the proposed pipeline route.

REPORT NO. 1

SURAKARTA WATER SYSTEM  
CONSULTING ENGINEERING SERVICES

FOR THE MONTH OF OCTOBER  
1978

SUBMITTED BY:



DONALD DEWART  
CHIEF ENGINEER

PREPARED BY:

BURNS & MCDONNELL ENGINEERING CO., INC.  
TRANS-ASIA ENGINEERING ASSOCIATES, INC.  
A Joint Venture  
K O T A K P O S 105  
SURAKARTA, INDONESIA