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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. 33
JUNE 1981

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



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

Architects - Engineers - Planners

Consultants - Planners

TRANS-ASIA ENGINEERING ASSOCIATES, INC.

Please Reply to: Kotak Pos 105
Surakarta

149/BM/TAE/S-A/31
03 July 1981

Mr. Soesanto Mectodiningrat, Director
Directorate of Sanitary Engineering
Directorate General Cipta Karya
Jl. Pattimura No. 20
Kebayoran Baru
Jakarta Selatan.

Subject : Contract for the Consultant Services for
Surakarta Water System No. 01/WS-S/I/AID/78
dated 28 October 1978 as Amended 08 November 1980

Dear Sir :

In accordance with Section 4.12 and Appendix I of the
subject Contract, we are pleased to submit fifteen
copies of the Monthly Report No. 33 for the month of
June 1981.

We trust that this report will meet with your approval.

Very truly yours,

BURNS & MC DONNELL ENGINEERING CO.
TRANS-ASIA ENGINEERING ASSOC., INC.


J.F. BAUCUM
ACTING CHIEF ENGINEER



cc	:	CJWSP	Semarang	(10 copies)
		USAID	Jakarta	(8 copies)
		BM/TAE	Jakarta	(2 copies)
		Burns & McDonnell	Kansas City	(1 copy)
		CJWSP-I	Surakarta	(1 copy)
		SWE	Surakarta	(1 copy)
		Mayor of Surakarta	Surakarta	(1 copy)
		File		

Encl.

JFB/yp.

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SECTION I
G E N E R A L

I-A NARRATIVE SUMMARY

The Distribution Design Specialist departed from Surakarta according to schedule. A prebid conference was held with eight prospective construction contractors 22 June on Phases I and II distribution piping plus 2,123 meters of replacement piping previously identified as part of Phase IV. It is anticipated the successful contractor(s) will proceed with modifying the existing O & M facilities as required to make them suitable for the intended use and assist the Project in providing necessary storage for the incoming materials. The Project will finance the added work from the previous budget allowance for public latrines and bath houses now that U.S.A.I.D. will finance via direct disbursement such structures. Bids were scheduled to be received 29 June but were postponed to 06 July for the convenience of the Project.

The ϕ 300 mm Line "A" and ϕ 200 mm Line "Q" were successfully connected to the old ϕ 450 mm transmission main the early part of June. Those mains were immediately put into service. The Surakarta Water Enterprise has procured necessary materials to reconnect the ϕ 150 mm main over the rail road bridge on Jl.Ngemplak. It is anticipated the new piping will be installed the first week of July.

An O & M manual was transmitted to the Surakarta Water Enterprise during June according to Contract. The manual incorporates data on materials, tools, equipment and methods as provided for the expanded system. The Project has not completed transfer of the offshore

procurement to the Surakarta Water Enterprise, therefore, the intensive leak survey has been set back until all repair materials are available for use. The Director of Sanitary Engineering requested the Consultant to assist by meeting with the Project and Surakarta Water Enterprise to expedite the quantity of service connections being made. The Consultant's recommendation to have the Surakarta Water Enterprise change procedure on installation of house and public services from galvanized steel pipe to PVC was well taken. It is anticipated that move alone will speed up installation by using the thousands of units already on hand for PVC piping. All such procedures are detailed in the new O & M Manual.

The first shipment of asbestos cement ϕ 400 mm pipe was delivered to Surakarta on 25 June 1981. Its arrival preceded any official paperwork from the Ministry regarding the supplier's Contract. Prior to further deliveries, the laydown area must be arranged and cleaned up. Notice of this problem was sent to the interested parties to alleviate further complications.

No reported progress is available on clearance of either Rohan or Kennedy/MacLane shipments from the Port of Semarang. It has been noted successful commencement of distribution system construction depends on this material being on hand and ready to use.

Preliminary contract/Tender documents were completed and forwarded for review on the bath house construction and public latrine rehabilitation program. The Consultant is awaiting replies prior to further action on finalization of the documents.

More detailed plans were made for the Dedication Ceremonies to be held in Surakarta sometime during the first half

of August 1981. Some special construction will be undertaken and at the request of the Project - the Consultant provided the requested drawings.

I-B PROBLEMS AND PROPOSED SOLUTIONS

Cipta Karya will evidently have to urge the Agent P.N. Panca Niaga to complete all paperwork for customs clearance of the shipments in the Port of Semarang. The unfair penalty imposed upon the shippers through no fault of their own can be overcome also by Cipta Karya waiving further action with letters to Bank of Indonesia to release the final ten percent (10%) payment to the shippers.

The leak survey is being delayed for lack of repair parts contained in the offshore procurement. Immediate transfer of such parts should be made by the Project to Surakarta Water Enterprise to enable this program to proceed.

SECTION II
ADMINISTRATION

II-A SUBMISSIONS/APPROVALS.

Consultant's Invoice No. 33 for May 1981 U.S. Dollar reimbursible expenses was submitted to Cipta Karya on 23 May 1981 and was approved by Cipta Karya on 25 May 1981.

Consultant's Rupiah Invoice No. 17 submitted to Cipta Karya on 02 June 1981 was approved on 10 June 1981 and partial payment was received on 26 June 1981.

These submittals are in accordance with the Contract Appendix II, page II-15.

II-B CONTRACT STATUS.

Appendix I shows the continuation of Consultant's effort in man-months from the beginning of the Contract.

Appendix II shows the billings of approved expenditures to date.

II-C PERSONNELL.

The Surakarta Office personnel in June were as follows :

E x p a t r i a t e s .

- James F. Baucom, Acting Chief Engineer
arrived 26 September 1979

- Albert G. Ringler, O & M Specialist
arrived 09 May 1980

- Jerry E. Bragdon, Water Distribution Engineer
arrived 08 June 1980, Completed Assignment
04 June 1981

Indonesian Professional and Technical :

- Mohamad Khalil, Material Coordinator
arrived 09 October 1978

- Mohamad Syarif Lembah, Construction Supervisor
arrived 01 May 1979

- Gatot Bramono, Inspector
arrived 19 November 1979

- Soewanto, Inspector
arrived 11 March 1980

- Abdul Rasyid, Inspector
arrived 11 June 1981

- Susena, Draftsman
arrived 20 October 1980

- Sri Sukamti, Accountant
hired 03 January 1981

Administrative :

- Dradjat Atmardjo, Office Manager
arrived 02 October 1978

- Haryani Pudyastuti, Secretary
hired 17 November 1980

- Rubiyo, Clerk
hired 01 November 1979

- Chaiz Hidayati, Administrative Clerk
hired 08 October 1979
Resigned Effective 06 June 1981

- Pamudji Rahardjo, Driver
hired 02 October 1978

- Sudarno, Driver
hired 02 October 1979
Terminated Effective 06 June 1981

- Sutrisno, Driver
hired 02 April 1979

- Puranto, Driver
hired 17 October 1980

- Kentut Aryanto, Driver
hired 07 January 1981
Completed Work Agreement 30 June 1981

- Mulyatmono, Watchman/Laborer
hired 09 October 1978

- Tukino, Office Boy/Laborer
hired 10 November 1980

SECTION III
ENGINEERING AND MANAGEMENT

III-A OFF-SHORE PURCHASED MATERIALS	US.\$ COMMITTED	% PAID (ASSUMED)	US. \$ BAL. DUE
III-A-1 Direct Cipta Karya Procurement Contract			
III-A-1-1 American Cast Iron Pipe Co. Ductile Iron Pipe & Fittings Contract certified complete 01/02/80	2,595,511.60	100	- 0 -
III-A-1-2 Colcorindo Raya Flow Metering Equipment Contract certified complete 07/04/80	3,462.00	100	- 0 -
III-A-1-3 Rohan Corporation Water Meters, Repairs Parts- Tools & Equipment Replacement Parts Awaiting Port Clearance since 23/10/80	669,438.43	90	+ 66,943.84
III-A-1-4 Clow Corporation Castings, Autho Air Vents & Valves. Replacement Parts Awaiting Port Clearance since 01/09/80	125,912.00	100	- 0 -
III-A-1-5 Ford Meter Box Company Brass Valves Parts & Acces- sories. Contract certified complete 12/02/81	390,775.15	100	- 0 -
Sub Total	3,785,099.18	98.2	66,943.84

III-A-2 Special Equipment Procurement/Consultant Contract

III-A-2-1 Western International Leak Detectors & Pipe Locators	2,496.14	100	- 0 -
III-A-2-2 Kennedy/MacLane Distribution Network Valves In Port	53,224.00	90	5,322.40
III-A-2-3 Laboratory Equipment-Variou Sources Partial Received Balance In Transit	10,775.00	90.3	1,044.29
III-A-2-4 Publication & Reference Data Various Sources In Transit	1,460.50	- 0 -	1,460.50
	3,853,054.82	98.2	74,771.03
Total US \$			

III-B CONSTRUCTION SUPERVISION

P.T. Lepen Kencana repaired leaks on either side of the bridge over the Anyur River on the ϕ 200 mm Line "M". There are still three (3) valves on the ϕ 150 mm Line "L" and ϕ 200 mm Line "M" which are inoperable. The Project has been requested to expedite the contractor's activities so that the remaining sections of Lines "L" and "M" may be put into service. This contractor made no further progress on the final inspection punch list.

P.T. Tukadmas completed the connection of ϕ 200 mm Line "Q" to the old ϕ 450 mm transmission main in Jl.Slamet Riyadi. Some restoration work and painting has been done around the Kartasura reservoir otherwise no further progress on the two transmission main Contracts were made by this Contractor.

P.T. Sarana Alam completed the connection of ϕ 300 mm Line "A" to the old ϕ 450 mm transmission main in Jl. Slamet Riyadi. Some corrective work was also accomplished in Kelurahan Joyosuran and Setabelan.

A special public hydrant and other construction has been assigned by CJWSP to P.T. Tukadmas to be completed during the month of July for the planned dedication in August. Construction will start 01 July in the area designated for proposed bath house No. 3-6 in Kelurahan Serengan.

III-C. GROUNDWATER EXPLORATION AND WELL DEVELOPMENT PROGRAM

A final draft of this operation area is in final typing.

III-D. MANAGEMENT ASSISTANCE PROGRAM

Completed.

III-E. O & M TRAINING AND ASSISTANCE PROGRAM

The O & M Manual was completed and handed over to the Surakarta Water Enterprise. During a meeting the first of June (Appendix IV) the Project agreed to include required modification costs for the O & M facilities in the next construction tender. The second Amendment to the Consultant's contract with Cipta Karya will include funds for the procurement of O & M equipment to outfit the modified facilities. As these facilities are activated, a copy of the O & M Manual will be placed for shop use.

The scheduled shut down on second June went as planned for the two contractors to connect Lines "A" and "Q"

to the old transmission main. During the same period, three crews of Surakarta Water Enterprise personnel repaired and/or overhauled seven (7) ϕ 450 mm line valves so that all valves are now operable. This activity was followed by flushing and placing into service the remainder of Lines "A" and "Q" thus completing all of the first priority items on the list provide SWE by the Consultant previously.

The Surakarta Water Enterprise has procured materials to reinstall the ϕ 150 mm pipe across the railroad bridge on Jl. Ngemplak to reconnect the ends of the existing distribution pipeline. This work is the first under priority II of said list and should be completed the first week of July. The third item under priority II, bridge piping on Jl. Gajahmada has been incorporated into Phase II distribution piping tenders, therefore SWE will not be burdened with the financial responsibility for that.

During a meeting 29 June 1981, the Director of Sanitary Engineering and Director of Surakarta Water Enterprise agreed to cooperate in an effort to speed installation of house services. The use of the 4,000 ϕ 50 mm, 4,000 ϕ 100 mm and 3,200 ϕ 150 mm PVC saddlestops along with the 15,200 meter valves and meters provided in the off-shore procurement will help as installation of PVC service lines are quicker and better. The Consultant has advised Surakarta Water Enterprise to proceed where ever new PVC or AC mains have been installed by the Project since 1976 and connect new customers. An updated drawing of the present day distribution network was provided by the Consultant to Surakarta Water Enterprise for this purpose.

The intensive leak survey was planned to start in the month of June but delay in getting offshore procurement transferred from the Project to Surakarta Water Enterprise has forced this activity to be rescheduled.

Preparations have been made and the work will start immediately upon SWE's receipt of those items. Assistance was given for the impact study and O.J.T. in water testing was begun.

III-F METER REPAIR TRAINING PROGRAM

Completed.

III-G NEW WATER DISTRIBUTION NETWORK DESIGN

The balance of work for this operational area was completed during June. Phases I and II are presently being tendered along with part of Phase IV. The remainder of Phase IV and Phase III will go out for bids in 1982 for construction beginning 01 April.

All ten bath house sites have been selected, surveyed and drawn up. Documents are presently being reviewed for approval by Cipta Karya and U.S.A.I.D. Upon their return, the Consultant will complete those documents for construction.

The public latrine documents were transmitted to the Head of DPU - Surakarta who is to provide information as delineated during the meeting of 02 June 1981 (Appendix V). Upon receipt of said information, the Consultant will secure the approval of U.S.A.I.D. and Cipta Karya then proceed the same as with the bath house documents.

The Distribution Design Specialist has departed for the United States. Further activities relative to the results of this operational area will be reported under III-B CONSTRUCTION SUPERVISION hereinabove.

III-H CONFERENCES

A monthly progress meeting was held 01 June 1981 (see Appendix IV). On 02 June 1981, a meeting was held to coordinate rehabilitation of the public latrines with DPU (see Appendix V). On 29 June 1981 a meeting was held in the PAB-I and BM/TAE conference room to discuss increasing house services installation and special construction for dedication of the Surakarta Water Supply Project. Representatives of DSE, CJWSP, PAB-I, PDAM, DPU and BM/TAE attended, as well as P. T. Tukadmas.

III-J ACTIVITIES PLANNED FOR NEXT MONTH

Receive and evaluate bids for over fifty four kilometers (54 km) of distribution main construction including over two kilometers of replacement piping. Assist as requested in preparation of special facilities for the dedication ceremonies. Make final documents on public latrines and/or bath houses as requested and required. Make preparations for receipt of locally procured pipe and fittings including shop inspections. Continue OJT activities with the Surakarta Water Enterprise and commence leak survey upon receipt of the transferred off-shore procurement. Continue to inquire about customs clearance of Rohan and Kennedy/MacLane shipments from the Port of Semarang.

SURAKARTA WATER PROJECT
REPORT OF MAN-MONTHS EXPENDED BY CONSULTANT
BURNS & McDONNELL / TRANS-ASIA ENGINEERING ASSOCIATES

CONTRACT NUMBER OI/WS-S/AID/78 AID LOAN 497-U-044	MAN - MONTHS				
	FOR JUNE 1981	CUMULATIVE THROUGH JUNE 1981	TOTAL IN CONTRACT SCHEDULE	% OF TOTAL USED PER SCHEDULE	BALANCE
EXPATRIATES					
PROCUREMENT ENG. CHIEF ENGINEER	0 0	6.5 26.2	14.5 30	44.8 87.3	8 3.8
CONSTRUCTION SPECIALIST LIAISON OFFICER	1 0.09	21.1 3.78	22 5.5	95 68	0.9 1.7
PRINCIPAL	0	0.71	2	35.8	1.3
HYDROGEOLOGIST DRILLING SPECIALIST	0 0	8.1 10.5	12 12	67.5 87.5	3.9 1.5
O & M SPECIALIST METER SPECIALIST	1 0	28.4 8	27.5 8	103 100	(0.9) 0
MANAGEMENT SPECIALIST SPECIALIST	0 0	20.2 0	21 3	96.1 0	0.8 3
DESIGN SPECIALIST	0.2	10.9	12	90	1.1
EXPATRIATE TOTAL	2.29	146.3	169.5	86	23.2
INDONESIAN PROFESSIONAL & TECHNICAL					
COUNTERPART CHIEF ENG. CONSTRUCTION SUPERVISOR	0 1	28.6 11.9	33 22	86.6 54	3.4 10.1
HYDROGEOLOGIST MATERIALS COORDINATOR	0 1	20.7 33	26 34	79.6 97	5.3 1
INSPECTORS DRAFTSMAN	2.6 1	98 44	104 52	94 84	6 8
ACCOUNTANT TECHNICAL TRANSLATOR	1 0	33 17.8	32 18	103 98.8	(1) 0.2
DESIGN ENGINEER SPEC. / COST ESTIMATOR	0 0	6 4.6	8 3	75 153.3	2 (1.6)
SR. SURVEYOR / PLOTTER	0	5.4	5	108	(0.4)
SURVEYOR INSTRUMENTMAN	0 0	5 6.3	5 5	100 126	0 (1.3)
INDON. PROF. & TECH.	6.6	314.3	347	90	32.7
INDONESIAN ADMINISTRATIVE					
OFFICE MANAGER SECRETARY	1 1	33 31.6	34 34	97 92	1 2.4
TYPIST CLERKS	0 1.2	27.2 94.6	51 74	53.3 127	23.8 (20.6)
DRIVER LABORERS	4.2 2	139.3 159.2	186 244	74 65	46.7 84.6
SECRETARY (BI-MONTHLY) ROOMMEN / CHAIRMEN	0 0	6 13.8	6 10	100 138	0 (3.8)
ADMINISTRATIVE TOTAL	9.4	504.7	639	78	134.3

SURAKARTA WATER PROJECT
REPORT OF ENGINEERING COSTS
BURNS & McDONNELL/TRANS-ASIA ENGINEERING

CONTRACT NO. OWWS-5/AID-78 SIGNED 26 OCT. 1978 START 1 JAN. 1978 END 30 NOV. 1981 REIMBURSABLE EXPENDITURES	COSTS FOR	CUMULATIVE COSTS THROUGH JUNE 1981		CUMULATIVE
	JUNE 1981	AMOUNT	% OF TOTAL BUDGET ESTIMATE	AMOUNT RECEIVED IN JUNE 1981
US DOLLARS				
Salaries and Related Costs	17,111.93	883,726.99	.98	19,938.05
Transportation	9,896.00	65,898.49	.60	-
Equipment	9,754.69	12,420.88	.34	-
Miscellaneous	1,132.31	49,559.48	.85	-
Training	-	-	-	-
Contingencies	-	53,470.70	.57	-
TOTAL DOLLARS	37,894.93	1,065,075.54	.88	19,938.05
INDONESIAN RUPIAH				
Salaries	-	144,605,965	83.1	48,006,171
Transportation	-	63,477,201	90.3	18,603,214
Housing	-	50,775,000	102.1	-
Vehicle Costs	-	38,069,472	86.2	5,225,000
Equipment Costs	-	23,110,860	95.2	245,420
Miscellaneous	-	66,280,025	92.4	2,781,110
Contingencies	-	20,773,224	48.9	-
TOTAL RUPIAH	- *	406,510,747	85.5	31,142,245 **

* May and June 1981 costs not available yet.

** p.

APPENDIX - II

ATER PROJECT
 ENGINEERING COSTS
 S-ASIA ENGINEERING ASSOC.

CUMULATIVE PAYMENTS THROUGH JUNE 1981			TOTAL BUDGET ESTIMATE FOR CONTRACT
AMOUNT RECEIVED IN JUNE 1981	TOTAL AMOUNT RECEIVED THROUGH JUNE 1981	% OF TOTAL BUDGET ESTIMATE	
DOLLARS			
19,938.05	866,615.06	97	892,733
-	56,002.49	51.8	108,108
-	2,666.19	7	36,000
-	48,427.17	83.3	58,131
-	-	-	14,544
-	53,470.70	57	93,340
19,938.05	1,027,180.61	85	1,202,856
IN RUPIAH			
48,006,170	140,798,469	80	174,029,000
18,603,214	61,601,902	87	70,257,600
-	50,775,000	102.1	48,975,000
5,225,000	37,206,472	86	43,140,000
245,425	24,611,400	101	24,253,000
2,781,110	55,916,485	77	71,710,000
-	19,416,960	44.9	43,236,460
31,142,245 **	345,832,474	72	475,601,060

b2b yet.

** partial payment received on Rp. Invoice No. 17.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TECHNICAL ASSISTANCE FOR TENDERS																									
1. OFF SHORE 19/9/77																									
(a) DUCTILE IRON PIPE & FITTINGS																									
(b) PIPES																									
(c) VALVES & CASTINGS																									
(d) REPAIR PARTS, TOOLS & TRUCKS																									
(e) THE NICHAN CO.																									
(f) FLOW METERS & ACCESSORIES																									
(g) PT. COLCORINDO R.																									
2. OFF SHORE 20/6/79																									
(a) BRASS GOODS & ACCESSORIES																									
(b) FORD METER BOX CO																									
(c) TRANSPORT CONTRACT																									
(d) TRANSMISSION MAIN SECTION A & B																									
(e) TRANSMISSION MAIN SECTION C & D																									
(f) TEST WELLS																									
(g) RESISTIVITY TEST																									
(h) TW-1 & TW-2																									
(i) OFF SHORE PUMPS & GEN.																									
(j) DISTRIBUTION SYSTEM																									
(k) 100 services + 47 P.H.																									
(l) KELURAHANS 1-8																									
(m) PIPE & FITTINGS LOCAL PURCHASE																									
(n) Kelurahan 9-12																									
(o) Kelurahan 13 & 15-17																									
(p) Kelurahan 14-18 & 22																									
(q) Valve - Off shore PROCUREMENT																									
7. PUBLIC LATRINES																									
8. PUBLIC BATHS																									

SURAKARTA WATER PRODUCTION
TECHNICAL TRAINING CENTER

CONTRACT

NO.	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
<p>4. O&M AT S/W</p> <p>(a) O&M FACILITIES</p> <p>(b) O&M EQUIPMENT</p> <p>OFF SHORE PURCH.</p> <p>(c) AUTOMOTIVE FAC.</p> <p>(d) AUTOMOTIVE EQUIP.</p> <p>OFF SHORE PURCH.</p> <p>(e) LABORATORY</p> <p>(f) LABORATORY EQUIP.</p> <p>OFF SHORE PURCH.</p> <p>(g) LEAK DETECTOR</p> <p>OFF SHORE PURCH.</p> <p>(h) RADIO EQUIP.</p> <p>OFF SHORE PURCH.</p> <p>(i) REFERENCE BOOKS</p> <p>OFF SHORE PURCH.</p>																																																																																																					
<p>b. ENGG. & SUPERVISION</p> <p>TRANSMISSION AND DISTRIBUTION PIPELINES</p>																																																																																																					
<p>1. TRANSMISSION MAINS</p> <p>(a) SECTION A</p> <p>(b) SECTION B</p> <p>(c) SECTION C</p> <p>(d) SECTION D</p>																																																																																																					
TOTAL CONSTRUCTION CONTRACT COMPLETION %		<p>2 7 12 15 16 25 36 47 55 68 76 84 94 95</p>																																																																																																			
TOTAL CONSTRUCTION CONTRACT COMPLETION %		<p>1 3 8</p>																																																																																																			
<p>2. DISTRIBUTION SYSTEM</p> <p>(a) KELURAHANS 1-8 (10.5 KM)</p> <p>(b) KELURAHANS 9-12 & 19-21 (26.3 KM)</p> <p>(c) KELURAHANS 13 & 15-17 (22.1 KM)</p> <p>(d) KELURAHANS 14, 18 & 22 (13.6 KM)</p>																																																																																																					
<p>c. MBO TECH. ASSISTANCE</p>																																																																																																					
<p>1. MANAGEMENT SPECIALIST</p> <p>(a) POLICY & PROCEDURES</p> <p>(i) Operations Manual</p> <p>(b) ORGANIZATION</p> <p>(c) MGT. & ACCTG. SYST.</p> <p>(d) TRAINING</p> <p>(e) EVALUATION</p>																																																																																																					
<p>2. METER REPAIR SPLST.</p> <p>(a) Set up New Meter Shop</p> <p>(b) Set Meter Equip.</p> <p>(c) TRAINING</p>																																																																																																					
<p>3. O&M SPECIALIST</p> <p>(a) Review SWE data & Filing</p> <p>(b) Produce O&M Training Manual</p>																																																																																																					

MINUTES OF PROJECT PROGRESS MEETING

PLACE : BM/TAE & PAB-I Conference Room Surakarta
 DATE : 01 June 1981
 TIME : 0930 - 1230

ATTENDED BY : - Mr. Krisno Darusman CJWSP
 - Mr. Hari Wahyuadi PAB-I
 - Mr. Robert E. Davis USAID
 - Mr. Paul B. Thorn USAID
 - Mr. Philip B. Tjakranata USAID
 - Mr. Soedarto PDAM
 - Mr. Soelarno PDAM
 - Mr. Clare Copleman BM/TAE
 - Mr. J. Frank Baucom BM/TAE
 - Mr. Albert G. Ringler BM/TAE
 - Mr. Jerry E. Bragdon BM/TAE
 - Mr. Syarif L. BM/TAE
 - Mr. M. Khalil BM/TAE

RESULTS

Messrs Davis and Thorn provided copies of their " Implementation Letter No. 8" dated 29 April 1981 then showed the following delineation of responsibility regarding their Direct Reimbursement Authorizations (DRA)

<u>DRA</u>	<u>USAID</u> <u>DESCRIPTION</u>	<u>CK</u> <u>REQUIREMENT</u>
\$ 950,000	DIRECT Rp. PURCHASE + 77 KM PVC & AC. PIPE	INSTALLATION CON-TRACTS Rp.
\$ 100,000	DIRECT Rp. CONSTRUCTION COST 140 LATRINES & 10 BATHS	NO COST BUT HANDLE CONTRACTS
\$ 200,000	U.S. PURCHASE (2) PUMPS & (2) GENERATORS FOR WELLS	PORT CLEARANCE Rp.
\$ 100,000	U.S. PURCHASE O & M EQUIPMENT	PORT CLEARANCE & FAC. MODS.
\$ 150,000	DIRECTPAY CONSULTANT SERVICE AMEND. #2	LOCAL SUPPORT, HOUSING ETC, Rp.

Mr. Thorn pointed out "Implementation Letter No. 8" officially extended the loan for one year - from 24 January 1982 to 24 January 1983.

Mr. Krisno went over the 1981/1982 budget for the Surakarta Water Supply Project (Reported previously) and said the 19.8 Million Rupiah would be reallocated from the 30 public latrines (6 millions) and 3 bath houses (13.8 millions). After discussion Mr. Krisno said the money would be set aside for the pipe replacement program (rehab) and negotiations could be held right away with selected contractors. A field trip will be scheduled to show the potential contractors where the replacement work is to be done and the site conditions. Mr. Krisno believes he can have one of the contractors modify the O & M facilities after the Consultant said costs should not exceed 3.5 millions Rupiah.

After the Consultant advised approval had been received from Ir. Rabadjo and the Tender Documents for all 3 phases would be printed and ready for distribution in one week, Mr. Krisno said invitations would be sent out to contractors for Phases I and II next week. It is presumed the Tender/Award process will consume two months minimum so that construction should be able to commence upon receipt of the materials anticipated the latter part of August 1981. A meeting to confirm time schedules will be held June 3 at this same conference room.

Construction drawings and Tender Documents are nearing completion on the rehabilitation of the public latrines and AID indicated Tenders could be secured for that work at anytime as the money is available now. Same applies to the bath house construction. In fact, Mr. Thorn said the Consultant should proceed with the purchase of well pumps, generator sets and O & M equipment as that money is also available. It was again emphasized the CJWSP would have to make and administer the Construction Contracts for the latrines and bath houses. The Contractor's invoices would be reviewed and approved by the Consultant and Cipta Karya who then would forward same to USAID for payment directly to the contractors.

The status of materials in the Port of Semarang was again discussed. It was acknowledged the Clow shipment was received but not the Rohan shipment and now the Kennedy valves were off loaded 23 May 1981. Mr. Krisno said CJWSP would again try using a letter of guarantee to

get both shipments released.

The Consultant reported no progress by the transmission main Contractors. Section C still has work to be done including two railroad crossings before final inspection. Also, neither Section A or D punch list items have been completed. Sarana Alam is making Line "A" tiein and has some corrective work to do in Joyosuran plus a few leaks to repair. Palagan has not completed painting but has turned materials over to the Surakarta Water Enterprise for balance of house services.

Two possible sites for the special public hydrants to be constructed for the dedications ceremony are available. Both will be investigated and a final choice selected during this week it was stated. The ceremonies will be held between 01 and 17 August 1981 and the Kartasura Reservoir has been established as the site for the Minister to open a valve sending the additional water to Solo. USAID requests at least two and preferably three weeks prior notice in order to schedule American representation. It was also requested by AID that their emblem be on a project sign according to the loan Agreement. There is no requirement for the emblem to be permanently affixed to any plaque, only on a temporary project sign delineating the participation of the various Agencies of the two Governments.

The Consultant explained the plan for leak survey and rehabilitation (replacement) program. It was pointed out that a list of priorities had been provided by the Consultant to the Surakarta Water Enterprise. The SWE was commended for their past efforts in accomplishing the work listed in the priorities. Tiein of Lines "A and "Q" are scheduled to be done starting 02 June 1981.

Mr. Bragdon then explained the new system as he has designed it for the total 22 Kelurahan previously agreed to be the sites to receive the new distribution piping. It was noted that he would be departing Surakarta on the 4th of June.

After the meeting the USAID representatives toured Surakarta Water Enterprise facilities and the Transmission main installation. They also observed a couple of the installed public hydrants.

MINUTES OF MEETING
COORDINATION WITH DPU ON PUBLIC LATRINE REHAB

Place : BM/TAE Office
 Date : 02 June 1981
 Time : 14.30 - 15.30

Attended by : - Ir. Sudjarwo DPU
 - Ir. Abimanyu DPU
 - Ir. Hari Wahyuadi PAB-I
 - Mr. J.F. Baucom BM/TAE
 - Mr. J.E. Bragdon BM/TAE
 - Mr. Syarif L. BM/TAE

Results :

1. DPU to provide Consultant with an identification system for all latrines to be rehabilitated consisting of a combination of letters and numbers. The Consultant will specify the Contractor to paint such identification on a prominent place of each latrine exterior wall.
2. DPU to provide Consultant with the color and recommended paint manufacturer's mixture number to be used to paint the walls of the latrines.
3. Consultant advised some latrine locations do not have enough land area for septic tanks unless such septic tanks can be constructed under adjacent streets. DPU agrees in those cases the septic tank may be placed under the street and constructed of reinforced concrete for the traffic load.
4. Privacy walls are to be provided at all entrances to each W.C. The standard height will be 1.8 meters.
5. Latrine presently shown as # 108 in Kel. Gilingan will be destroyed when the adjacent street is widened and rerouted by DPU. It was stated the site on the opposite side of Kali Pepe in Kel. Mangkubumen can accommodate a new public bath house and could serve the people in Kel. Gilingan who will lose the public latrine # 108.

6. DPU will confer with the respective Kelurahan Chief where a public latrine is no longer desired by the citizens of a given area.
7. DPU will confer with the respective Kelurahan Chief where a public latrine has either been completely or partially closed to the public by private citizens to determine if the action is approved and the property not owned by the Government.
8. Existing public latrines will be remodeled where they are located adjacent to new latrines recently constructed by K.I.P.
9. Existing open shallow wells will be covered and a hand pump provided by the latrine rehab contractor where such wells are adjacent to latrines scheduled to be rehabilitated.
10. DPU advises their budget annually allows for up to forty (40) new public latrines with up to five (5) WC to be constructed. Some of the latrines so built need rehabilitation and will be so identified by DPU to supplement the present list up to a total combined quantity as originally called for in the U.S.A.I.D. loan of one hundred forty seven (147) or as the budget allows.
11. DPU could provide a possible site to construct a special public hydrant in Kel. Serengan. The Consultant and PAB-1 will look at it, also one in Kel. Tipes for the August Dedication Ceremonies.
12. The Consultant will submit a copy of the specifications and drawings to the D.P.U. for their review and comments prior to submittal to the Ministry and USAID.