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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/I/AID/78 AID LOAN 497-U-044

MONTHLY PROGRESS

REPORT NO. 37
OCTOBER 1981

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

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A JOINT VENTURE

2

BURNS & McDONNELL Engineering Co.

Architect - Engineers | A JOINT VENTURE | Consultants - Planners

TRANS - ASIA Engineering Associates, Inc.

Please Reply to: Kotak Pos 105
Surakarta

210/BM/TAE/SKA/81
02 November 1981

Mr. Soesanto Mertodiningrat, 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 23 July 1981.

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. 37 for the month of October 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. BALCOM
ACTING CHIEF ENGINEER

cc :	CJWSP	Semarang	(10 copies)
	USAID	Jakarta	(5 copies)
	BM/TAE	Jakarta	(2 copies)
	Burns & Mc Donnell	Kansas City	(1 copy)
	CJWSP I	Surakarta	(1 copy)
	SWE	Surakarta	(1 copy)
	Mayor of Surakarta	Surakarta	(1 copy)
	File		

Encl.

JFB/yp.

TABLE OF CONTENTS

SECTION	TITLE	PAGE
I	GENERAL	1
I-A	NARRATIVE SUMMARY	1
I-B	PROBLEMS AND PROPOSED SOLUTIONS	2
II	ADMINISTRATION	4
II-A	SUBMISSIONS/APPROVALS	4
II-B	CONTRACT STATUS	4
II-C	PERSONNEL	4
III	ENGINEERING AND MANAGEMENT	7
III-A	OFF-SHORE PURCHASED MATERIALS	7
III-B	CONSTRUCTION SUPERVISION	8
III-C	GROUNDWATER EXPLORATION AND WELL DEVELOPMENT PROGRAM	9
III-D	MANAGEMENT ASSISTANCE PROGRAM	9
III-E	O & M TRAINING AND ASSISTANCE PROGRAM	10
III-F	METER REPAIR TRAINING PROGRAM	10
III-G	NEW WATER DISTRIBUTION NETWORK DESIGN	10
III-H	CONFERENCES	10
III-J	ACTIVITIES PLANNED FOR NEXT MONTH	11

TABLE OF CONTENTS

(CONTINUED)

SECTION	TITLE	PAGE
IV	APPENDICES	
I	REPORT OF MAN-MONTHS EXPENDED BY THE CONSULTANT	
II	REPORT ON ENGINEERING COSTS	
III	CHART-TECHNICAL WORK APPROACH	
IV	EVALUATION ON TENDER PHASE I	
V	EVALUATION ON TENDER PHASE II	
VI	EVALUATION ON TENDER PHASE III	

SECTION I

G E N E R A L

I-A NARRATIVE SUMMARY

Evaluation of bids received 30 September was completed and forwarded to the Project Manager. Since that time it has been learned one of the bath house locations will have to be changed due to construction plans of the Kecamatan involved. An alternate site has been researched that will offer the same general existing conditions so as not to cause a change in the bid price. The change of location has been agreed to by the Project and local Governments.

The City DPU is still investigating records on the remaining public latrine locations for determination of real estate ownership.

Replacement AWWA operating nuts for the Kennedy gate valves were reshipped by the supplier and should be on hand within November for installation. Construction is proceeding without the nuts and the valves may be opened or closed for test with hand tools. PVC pipe and fittings continue to be delivered. The Consultant has certified receipt of those items included in the supplier's invoice(s) to date.

The distribution main contractors are progressing somewhat behind schedule because of lack of certain fittings but that problem has been resolved. The Contractors are being directed to clean up all unfinished work they skipped over previously so that completed systems will result and Surakarta Water Enterprise can start using them.

The Surakarta Water Enterprise was granted funds by the City to expand service to the Rehabilitation Center in Jebres. During this reporting period that work was accomplished while the new distribution mains in that area were being installed and tested by the Phase I Contractor.

The recommended list of O & M tools and equipment has been sent out for price proposals from various suppliers in the United States in accordance with Amendment No. 2 to the Consultant's Contract and Implementation Letter No. 8 signed jointly by the Director General Cipta Karya and U.S.A.I.D. Upon receipt of the firm quotations in country an evaluation and further recommendation will be made for procurement.

Design is underway in Kansas City on the test well pumping equipment, generator unit, chlorinator and controls for purchase proposals. The hydraulic analysis computer work has been completed in Kansas City and the synopsis and exhibits are enroute for distribution. Indications are there is sufficient water supply for the 1985 projections.

The leak survey is approximately five percent (5%) complete with followup repair work still lagging behind.

I-B PROBLEMS AND PROPOSED SOLUTIONS

A more concerted effort by the Surakarta Water Enterprise personnel is required to repair the many leaks found around various areas of the City. That already done has improved supply to the point all areas within Surakarta are receiving water and higher levels are being attained in Jebres reservoir. A high degree of absenteeism at the Water Enterprise

is cause for some lack of activity, another major factor is lack of proper supervision. In practically every crew, when sent out on a repair order, it has been observed half and sometimes the majority of people stand idle rather than assisting to accomplish the work.

The Surakarta Water Enterprise originally agreed to repair those streets where existing pipe was to be replaced by Phase I and II Contractors per Addendum No. 1. Shortage of funds is cause now for SWE to say they cannot repair the pavement thus that work is being delayed. The Consultant recommends SWE obtain the services of DPU to perform necessary pavement replacement so the work can proceed and the bad leaking piping can be made good again.

SECTION II
ADMINISTRATION

II-A SUBMISSIONS/APPROVALS.

Consultant's Invoice No. 37 for September 1981 U.S. Dollar reimbursible expenses was submitted to Cipta Karya on 02 October 1981 and was approved by Cipta Karya on 05 October 1981.

Consultant's Rupiah Invoice No. 22 for September 1981 submitted to Cipta Karya on 01 October 1981 was approved on the same date. Payment of Rupiah Invoice No. 19 was received on October 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 PERSONNEL.

The Surakarta office personnel in October 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

Indonesian Professional and Technical :

- Mohammad Khalil, Materials 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

Administrative :

- Dradjat Atmardjo, Office Manager
  arrived 02 October 1978

- Haryani Pudyastuti, Secretary
  hired 17 November 1980

- Rubiyo, Clerk
  hired 01 November 1978

- Pamudji Rahardjo, Driver
  hired 02 October 1978

- Sutrisno, Driver
  hired 02 April 1979

- Puranto, Driver
  hired 17 October 1980

- Tukino, Office Boy/Labor
  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	- o -
III-A-1-2 Colcorindo Raya Flow Metering Equipment Contract certified complete 07/04/80	3,462.00	100	- o -
III-A-1-3 Rohan Corporation Water Meters, Repairs Parts-Tools & Equipment Contract certified complete 06/07/81	668,732.83	100	- o -
III-A-1-4 Clow Corporation Casting, Auto Air Vents & Valves. Contract certified complete 15/05/81	176,912.60	100	- o -
III-A-1-5 Ford Meter Box Company Brass Valves Parts & Accessories. Contract certified complete 12/02/81	390,775.15	100	- o -
Sub Total	3,784,373.58	100	- o -

III-A-2 Special Equipment Procurement/Consultant Contract

III-A-2-1	Western International Leak Detectors & Pipe Locators	2,496.14	100	- o -
III-A-2-2	Kennedy/MacLane Distribution Network Valves In Port of Semarang 23 May 1981	53,224.00	90	5,322.40
III-A-2-3	Laboratory Equipment-Various Sources Majority Received Balance In Transit	11,303.54	100	- o -
III-A-2-4	Publication & Reference Data Various Sources - Balance In Transit	1,460.50	1.3	19.18
III-A-2-5	Repair Parts For Clow Various Sources - Complete	228.51	100	- o -
III-A-2-6	O & M Facility Outfitting Various Sources	207.18	100	- o -
	Total US $	3,853,293.45	0.14	5,341.58

III-B CONSTRUCTION SUPERVISION

It has been advised by the Project that financial difficulties may force P.T. Lepen Pancana to cease operations, therefore Section D will be considered complete and the Surakarta Water Enterprise has been requested to make the necessary repairs on Lines "L" and "M". Letters have been written to followup on requests for permission to proceed with pipeline crossings under railroad tracks. Attached is Section C of the trimonth-

sion main and both Phase I and Phase II of the distribution main work.

Each of the distribution main contractors is considered to be approximately ten percent (10 %) complete on their respective Contracts overall whereas about seven kilometers of pipe is in place total. This progress added to previous distribution main installation in FY 1980 - 1981 brings the total construction contract completion up to twenty one percent (21 %).

With award being made on the three sections of bath house and public latrine construction, work will probably get underway during November. Bathhouse No. 3-7 cannot be built where originally planned. An alternate site still within Kelurahan Semanggi has been selected. It is anticipated there will be no change in price due to the relocation. The Consultant evaluated the bids for technical adequacy and so advised the Project - see Appendices IV, V and VI.

Work is underway presently in Kelurahans Jebres, Semanggi, Danukusuman and Manahan. The Surakarta Water Enterprise was to have provided the pavement repair for those lines to be replaced by Phase I and II contractors. It now appears they do not have necessary funds and the Project has instructed the contractors to hold off proceeding with that work for the time being.

III-C GROUNDWATER EXPLORATION AND WELL DEVELOPMENT PROGRAM

Completed.

III-D MANAGEMENT ASSISTANCE PROGRAM

Completed.

III-E O & M TRAINING AND ASSISTANCE PROGRAM

No work was done as expected on the facilities modifications although the construction contractors are on the jobsite. Firm sixty day quotations are being obtained from various suppliers on the list of O & M tools and equipment. Receipt is expected in country so that evaluation may be made for recommendation to purchase.

The same conditions as previously reported are still affecting the progress of the leak survey. It is estimated that approximately five percent (5 %) of the existing network has been surveyed. Without followup repairs further survey would be of no benefit. It has been observed that some repairs which were made were done with inferior materials and methods against the advice of the Consultant. Recalls on the same repair have been made three to four times within a month. High absenteeism and lack of proper field supervision also contribute to slow the repair effort as a whole.

III-F METER REPAIR TRAINING PROGRAM

Completed.

III-G NEW WATER DISTRIBUTION NETWORK DESIGN

Completed.

III-H CONFERENCES

None.

III-3 ACTIVITIES PLANNED FOR NEXT MONTH

Continue with all construction effort including delivery and storage of material. Receive and evaluate quotations on O & M tools and equipment and possible deep well equipment. Continue with leak survey as personnel are made available by the Surakarta Water Enterprise. Provided the city DPU returns necessary determination, prepare tender documents on Phase IV of the Public Latrine Restoration.

SURAKARTA WATER PROJECT

REPORT OF MAN-MONTHS EXPENDED BY CONSULTANT

BURNS & McDONNELL/TRANS-ASIA ENGINEERING ASSOCIATES

CONTRACT NUMBER O/WS-S/AID/76 AID LOAN 497-U-044	MAN-MONTHS FOR OCTOBER 1981	CUMULATIVE THROUGH OCTOBER 1981	TOTAL IN CONTRACT SCHEDULE	% OF TOTAL USED PER SCHEDULE	BALANCE
EXPATRIATES					
PROCUREMENT ENG.	0	6.5	14.5	44.8	8
CHIEF ENGINEER	0	26.2	30	87.3	3.8
CONSTRUCTION SPECIALIST	1	25.1	36	69.7	10.9
LIAISON OFFICER	0.16	4.35	7.5	58.0	3.15
PRINCIPAL	0	0.17	2	35.8	1.3
HYDROGEOLOGIST	0	9.1	12	67.5	3.9
DRILLING SPECIALIST	0	10.5	12	87.5	1.5
O & M SPECIALIST	1	32.4	41.5	78.0	9.1
WATER SPECIALIST	0	8	8	100	0
MANAGEMENT SPECIALIST	0	20.2	21	96.1	[illegible]
SPECIALIST	0	0	3	0	3
DESIGN SPECIALIST	0	12	12	100	0
EXPATRIATE TOTAL	2.16	155.97	199.5	77.1	45.[illegible]
INDONESIAN PROFESSIONAL & TECHNICAL					
COUNTERPART CHIEF ENG.	0	[illegible]	3[illegible]	8[illegible]	4.4
CONSTRUCTION SUPERVISOR	1	[illegible]	36	4[illegible]	[illegible]
HYDROGEOLOGIST	0	[illegible].7	[illegible]	[illegible]	[illegible]
MATERIALS COORDINATOR	1	[illegible]	48	77	11

COUNTERPART CHIEF ENG.	0	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION SUPERVISOR	1	[illegible]	36	[illegible]	[illegible]
HYDROGEOLOGIST	0	[illegible]	[illegible]	[illegible]	[illegible]
MATERIALS COORDINATOR	1	[illegible]	48	77	[illegible]
INSPECTORS	3	[illegible]	[illegible]	[illegible]	36
DRAFTSMAN	1	[illegible]	[illegible]	[illegible]	[illegible]
ACCOUNTANT	0	[illegible]	[illegible]	[illegible]	[illegible]
TECHNICAL TRANSLATOR	0	[illegible]	[illegible]	[illegible]	[illegible]
DESIGN ENGINEER	0	5	8	75	[illegible]
SPEC. / COST ESTIMATOR	0	[illegible]	3	153.3	[illegible]
SR. SURVEYOR / PLOTTER	0	5.4	5	108	(0.4)
SURVEYOR	0	5	5	100	0
INSTRUMENTMAN	0	6.3	5	126	(1.3)
INDON. PROF. & TECH.	6	339.3	431	78.7	91.7

INDONESIAN ADMINISTRATIVE

OFFICE MANAGER	1	37	48	77.0	11
SECRETARY (BI-LINGUAL)	1	35.6	54	65.9	18.4
[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1	98.6	[illegible]	[illegible]	[illegible]
DRIVERS	3	157.3	[illegible]	[illegible]	[illegible]
LABORERS	1	164.2	259	[illegible]	[illegible]
RODMEN / CHAINMEN	0	[illegible]	10	138.0	[illegible]
ADMINISTRATIVE TOTAL	7	533.7	732	72.9	[illegible]

XEROX
82P396

SURAKARTA W
REPORT OF ENG
BURNS & McDONNELL/TRANS

CONTRACT NO. 01/WS-S/AID/78 SIGNED 26 OCT. 1978 START 1 JAN. 1978 END 30 SEP. 1982 REIMBURSABLE EXPENDITURES	COSTS FOR OCTOBER 1981	CUMULATIVE COSTS THROUGH AMOUNT	% OF TOTAL BUDGET ESTIMATE
			US DO
Salaries and Related Costs	18,545.34	945,270.82	81.8
Transportation	5,664.00	73,631.72	81.5
Equipment	-	12,456.36	77.8
Miscellaneous	-	63,563.48	109.4
Contingencies	-	53,470.70	85.5
TOTAL DOLLARS	24,209.34	1,148,392.08	83.1
			INDONESIA
Salaries	3,461,000	163,329,217	73.0
Transportation	946,000	[illegible],194,008	82.4
Housing	-	64,775,000	102.8
Vehicle Costs	597,500	48,029,472	89.4
Equipment Costs	-	24,610,860	101.4
Miscellaneous	14,273,185	82,361,140	89.7
Contingencies	-	33,144,580	99.7
TOTAL RUPIAH	19,277,685 *	503,426,752	87.7

* As pe

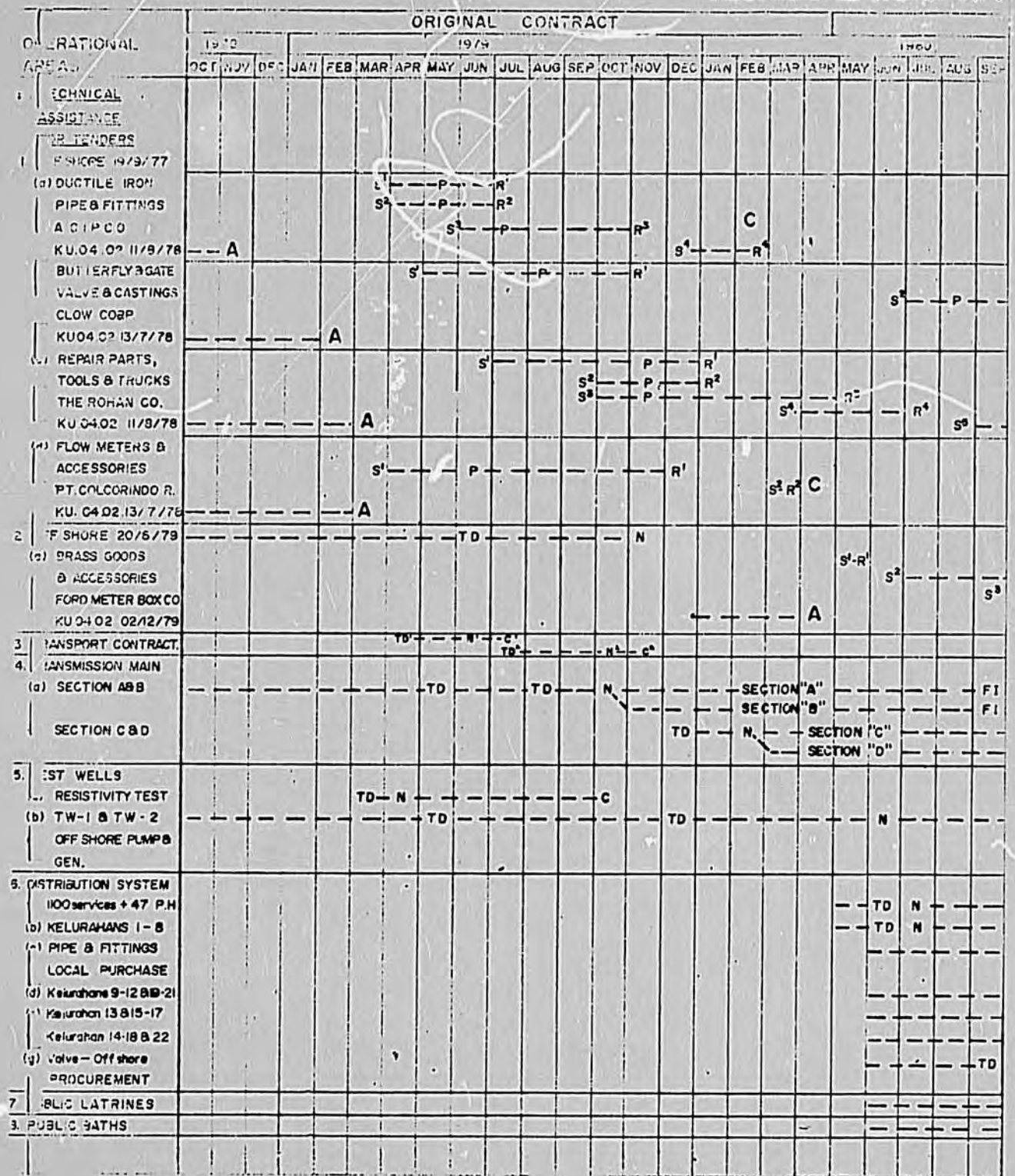
APPENDIX - I

RTA WATER PROJECT
F ENGINEERING COSTS
TRANS-ASIA ENGINEERING ASSOC.

	CUMULATIVE PAYMENTS THROUGH			TOTAL BUDGET ESTIMATE FOR CONTRACT
AL E	AMOUNT RECEIVED IN OCTOBER 1981	TOTAL AMOUNT RECEIVED THROUGH OCTOBER 1981	% OF TOTAL BUDGET ESTIMATE	
S DOLLARS				
	14,552.46	962,725.48	81.8	1,132,179
	-	67,967.72	81.5	83,343
	-	12,456.36	77.8	16,000
	-	63,563.48	109.4	58,063
	-	53,470.70	84.5	63,271
	14,552.46	1,124,182.74	83.1	1,352,856
NESIAN RUPIAH				
	4,420,748	156,407,217	69.9	223,759,250
	1,031,050	67,337,658	80.2	83,952,600
	-	50,775,000	80.6	62,975,000
	605,000	45,714,472	85.1	53,675,000
	-	24,610,860	101.4	24,253,000
	4,438,195	67,161,455	73.1	91,810,000
	12,542,590	33,144,580	99.7	33,236,460
	23,037,583	443,513,717	77.3	573,661,310

s per Rp. Invoice No. 22 September 1981.

SURAKARTA WATER P
TECHNICAL WORK AP



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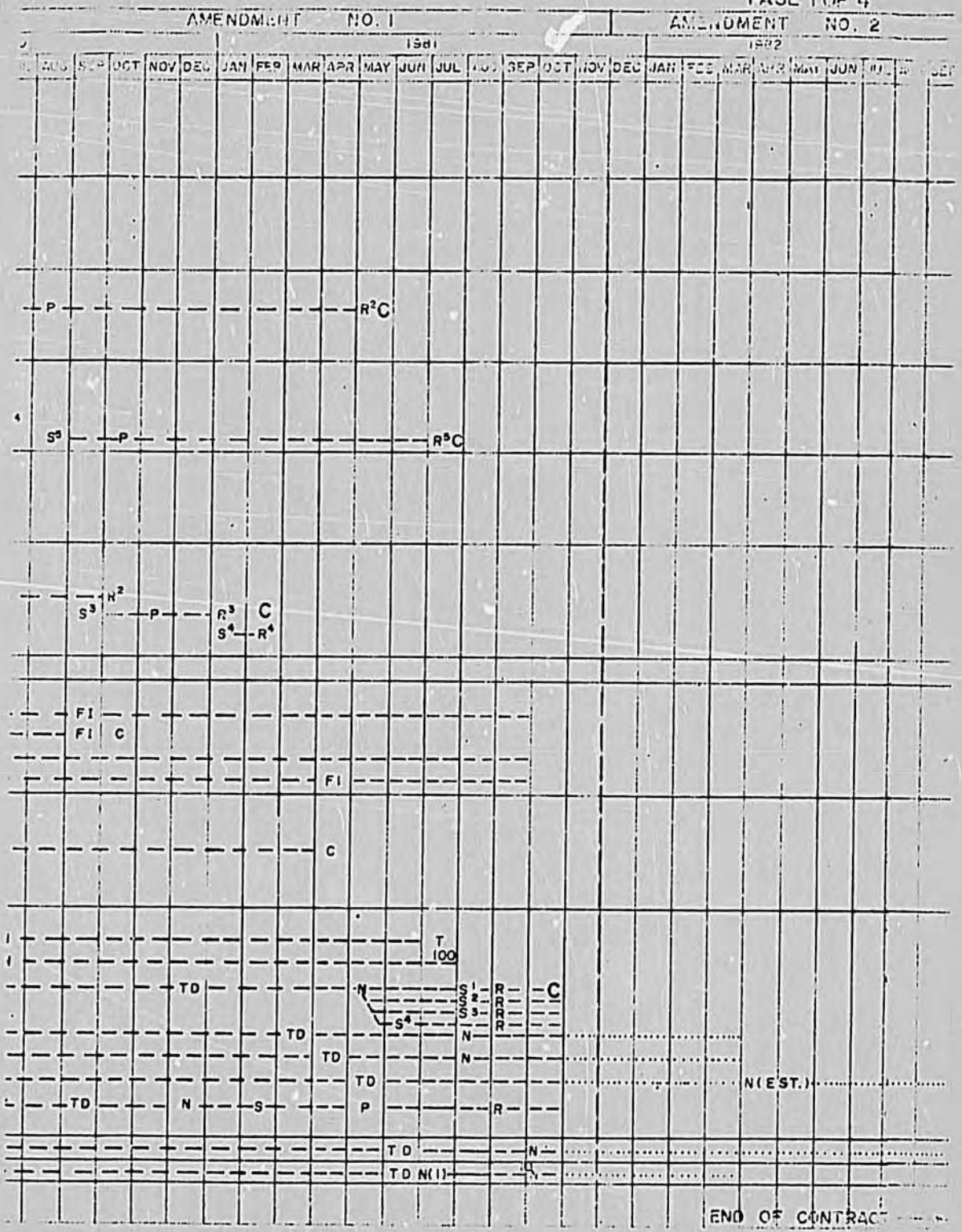
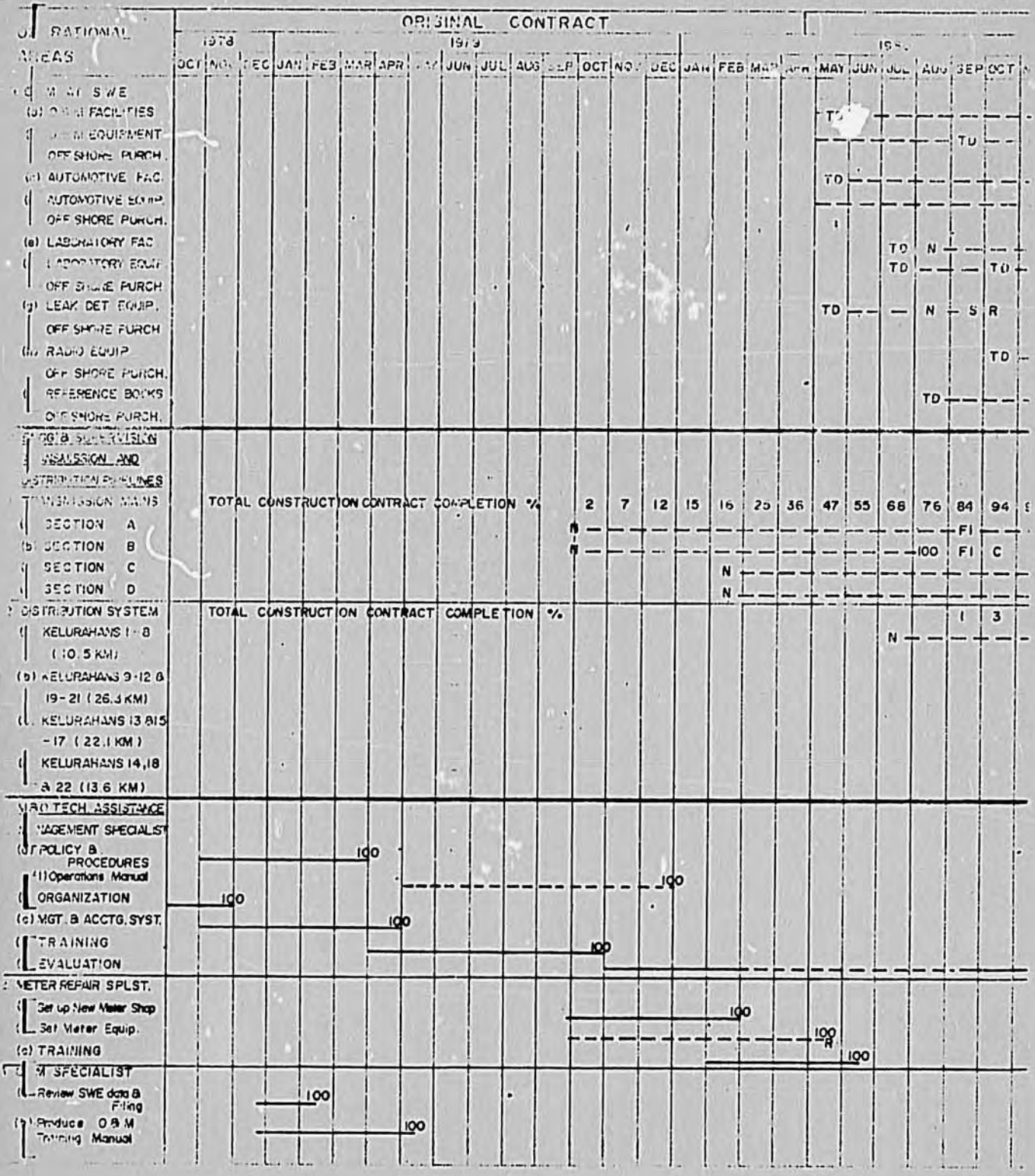
K APPROACH



SURAKARTA WATER PRO
TECHNICAL WORK APPRO



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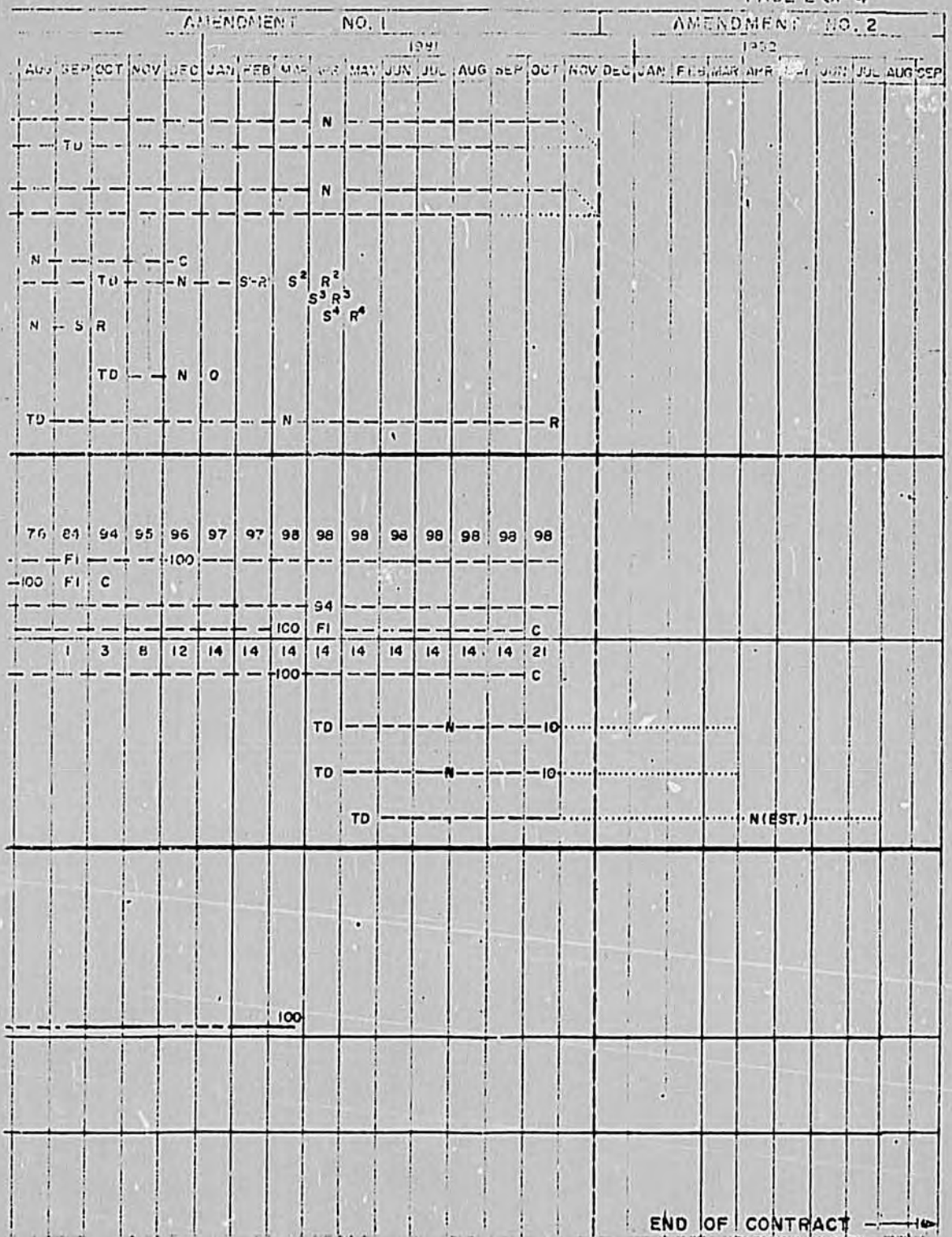
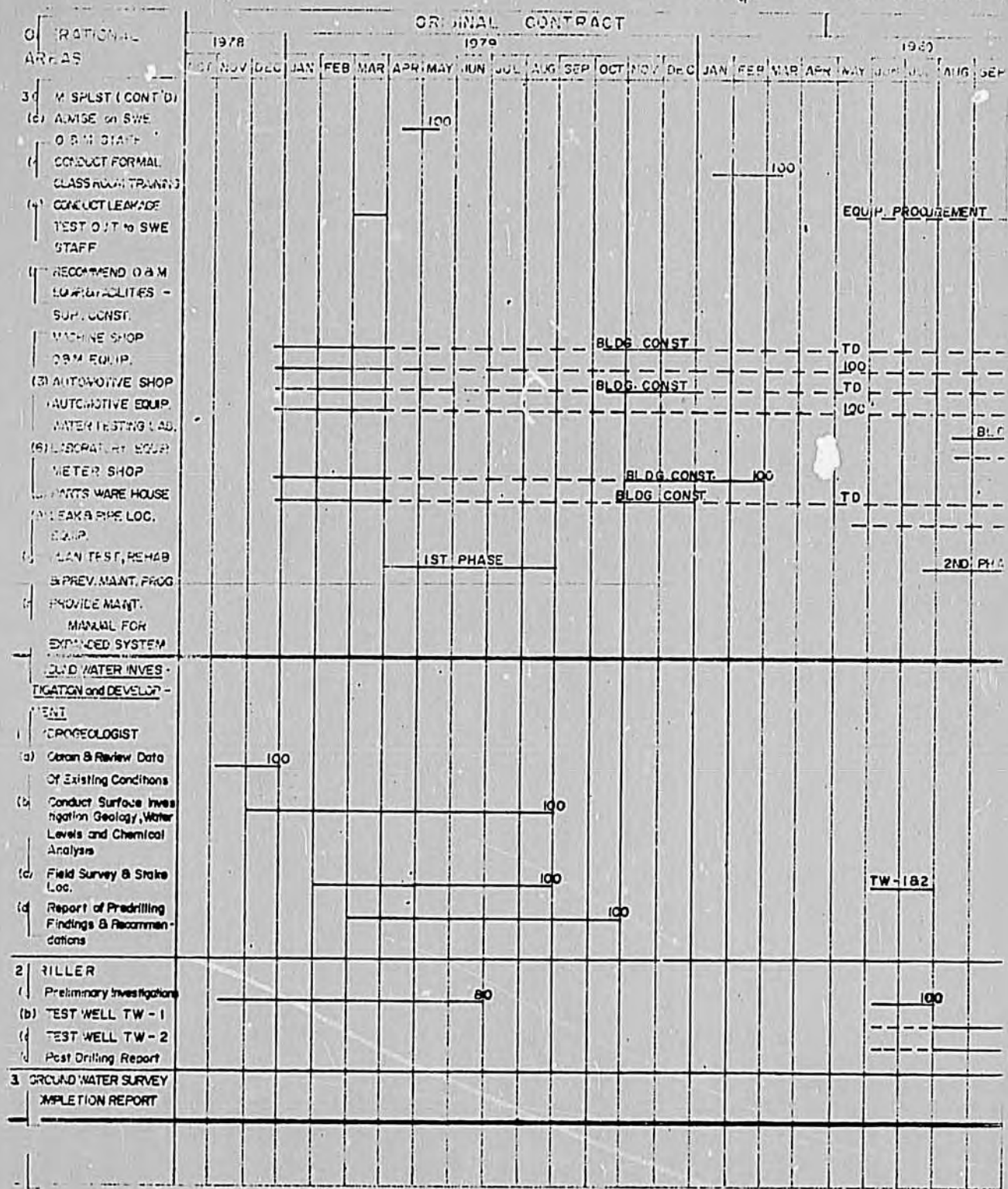
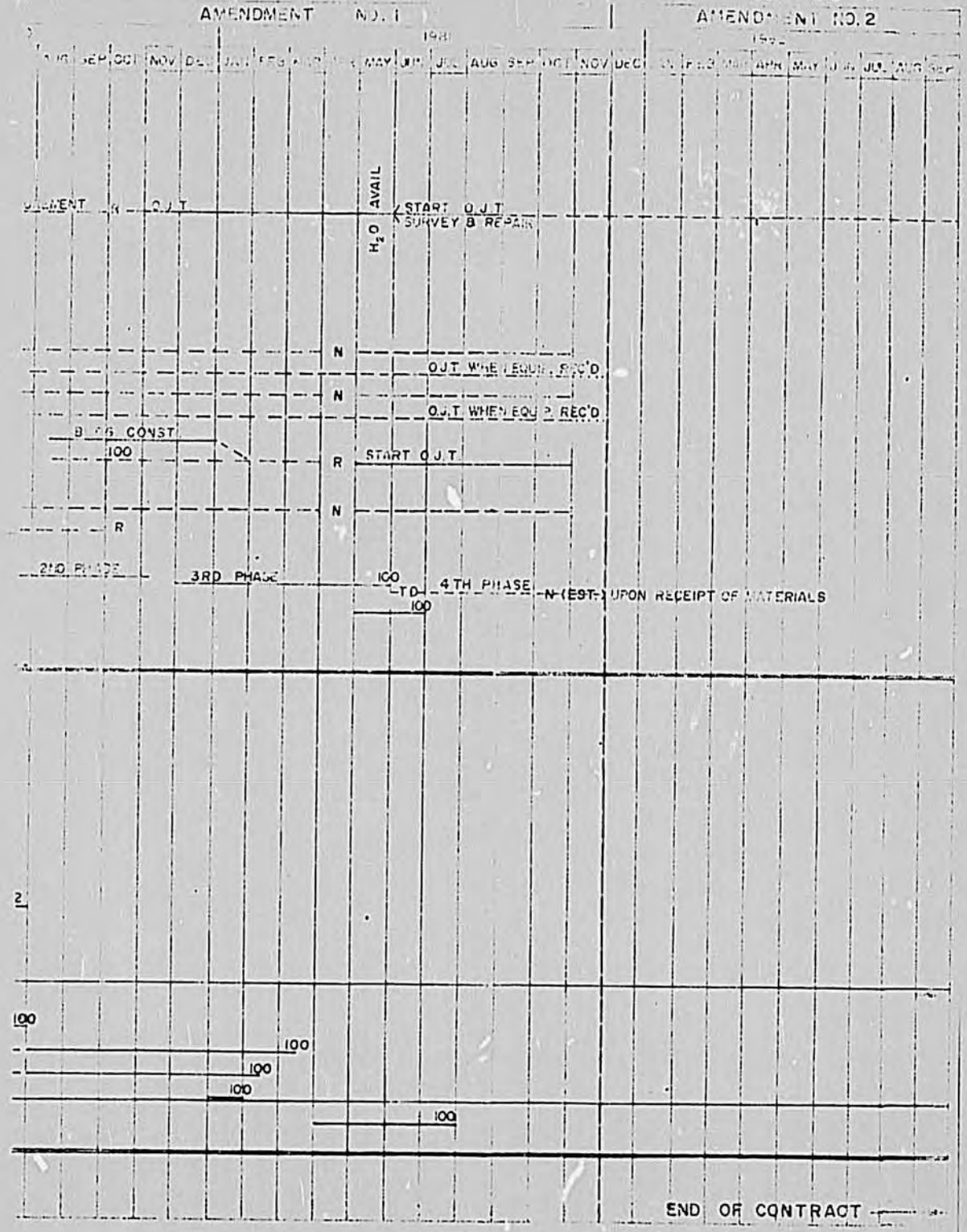


JAKARTA WATER
TECHNICAL WORK A



APPENDIX III
PAGE 3 OF 4



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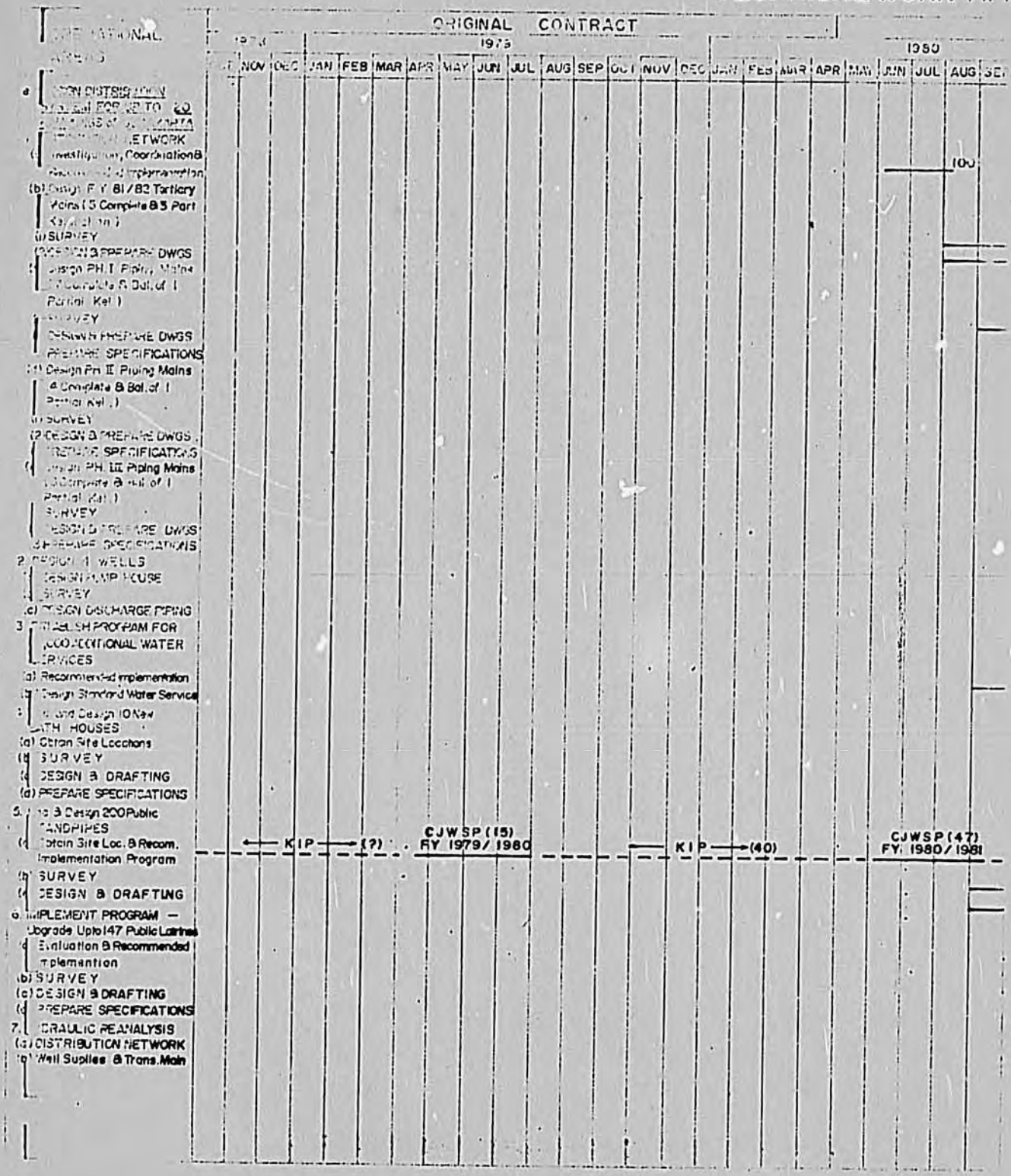
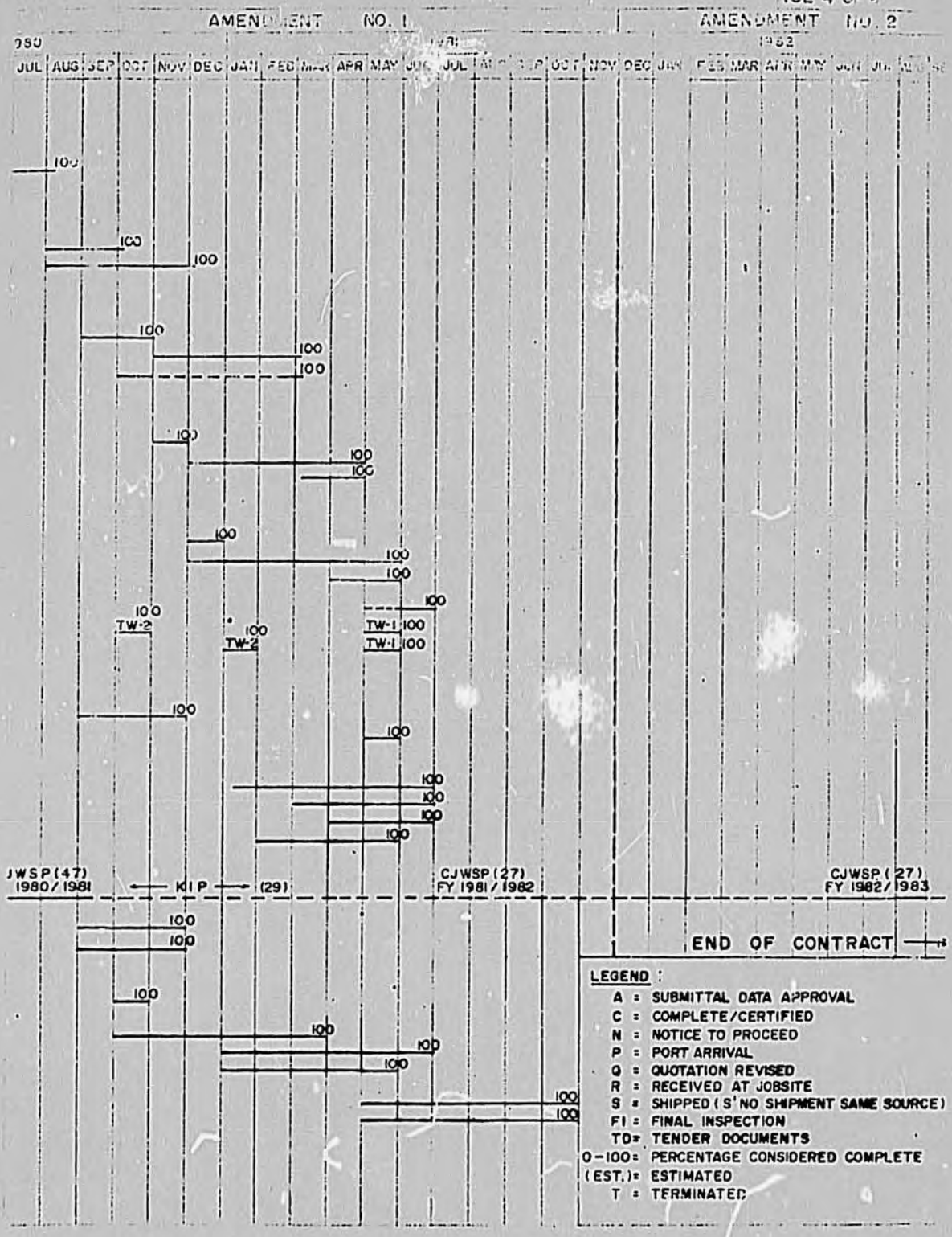
TECHNICAL WORK AP



ATER PROJECT
RK APPROACH

APPENDIX III
PAGE 4 OF 4



LEGEND :

- A = SUBMITTAL DATA APPROVAL
- C = COMPLETE/CERTIFIED
- N = NOTICE TO PROCEED
- P = PORT ARRIVAL
- Q = QUOTATION REVISED
- R = RECEIVED AT JOBSITE
- S = SHIPPED (S'NO SHIPMENT SAME SOURCE)
- FI = FINAL INSPECTION
- TD= TENDER DOCUMENTS
- 0-100= PERCENTAGE CONSIDERED COMPLETE
- (EST.)= ESTIMATED
- T = TERMINATED

EVALUATION ON TENDER : PHASE I
TECHNICAL ADEQUACY OF BIDS.

(3 PUBLIC BATH H

No.	ITEM REVIEWED	C.V. SEDERHANA
	TOTAL BID	17,396,000
	PRELIMINARIES	125,000
	CIVIL WORK	12,893,893
	PLUMBING	2,013,550
	MISCELLANEOUS	1,940,000
	TOTAL PRICE	CORRECT
	TIME SCHEDULE	ACCEPTABLE
	WORKING METHOD	ACCEPTABLE
	FIELD PERSONNEL	ENOUGH
	EQUIPMENT	To be completed
	UNIT PRICE	
	MATERIAL	ACCEPTABLE
	LABOUR	ACCEPTABLE
	UNIT COST.	High in Roof Trusses
		Low in Septic Tank (Item E)
		Low in door & frame (Item A)

PHASE I.

C BATH HOUSES & 14 PUBLIC LATRINES)

APPENDIX IV-(1)

	C.V. SUMBER MAKMUR	C.V. PARTUNGGAL	AVERAGE
	18,920,000	26,893,000	21,069,000
	150,000	200,000	158,333
	14,396,644	19,228,290	15,506,276
	1,944,800	4,705,312	2,887,887
	1,950,000	2,100,000	1,996,666
	No Unit Price for Public Latrines	Wrong Sub Total and Item 6	
	ACCEPTABLE	ACCEPTABLE	
	ACCEPTABLE	-	
	ENOUGH	ENOUGH	
eted	To be completed	To be completed.	
	Acceptable Some too high	Acceptable Some too high	
	ACCEPTABLE	Too High	
usses	High in Tile Work	High in Brick work	
ank	High in Concrete Floor	High in Outside Utilities	
rame	Low in Storage	High in Septic Tank	
	Reservoir (Item M)	(Item E).	

[illegible] PHASE [illegible] PHASE [illegible]

TECHNICAL ADEQUACY OF BIDS (3 PUBLIC BATH

NO.	ITEM REVIEWED	C.V. SEDERMANA	S
1.	Foundations incl. reinf. concrete & excavation		
	A. 60 cm Wide	731,949	
	B. 45 cm Wide	882,[illegible]	
2.	Reinf Concrete Columns	320,856	
3.	Rough Brick Work		
	A. 11 cm Thick	951,464	
	B. 04 cm Thick	37,[illegible]8	
4.	Tile Work		
	A. 20 x 20 cm Floor Tile	96,805	
	B. 109 x 109 mm Cramic Tile	2,003,681	2,
5.	Plaster Wall Finish	407,799	
6.	Roof Trusses & Roofing Complete with Wood Preserve	2,772,669	1,
7.	Water Storage Reservoir	235,067	
8.	Hollow Metal Doors & Frames	813,600	1,
9.	Plumbing		
	A. Water Piping From Meter	64,200	
	B. Drain Piping to Septic Tank	89,700	
	C. Floor Drains & Water Closet	258,000	
10.	Concrete Floor & Sand Bed	69,000	
11,	Electrical	330,000	
12.	Painting Metal Work Only	129,228	
13.	Walls for Caretaker Room	256,704	
14,	Rain Gutter & Down Spouts	144,000	
15.	Removal of Existing Structures and Special Allowance for Color	1,615,000	1,
16.	Out side Utilities	924,000	1,
17.	Leveling and Temporary Office	290,000	

[illegible]

[illegible] BATH HOUSES

C.V. SUMMER MAKMUR	C.V. PARTUNGGAL	AVERAGE
913,983	748,116	798,016
926,100	1,108,320	972,152
141,750	525,336	329,314
810,000	1,166,309,28	975,924
45,600	172,786,56	85,325
107,250	106,070,25	103,375
2,137,500	1,627,211,25	1,922,797
394,200	523,125,30	441,708
1,350,000	1,443,312	1,855,327
90,000	150,000	158,355
1,[illegible]0,000	1,200,000	1,051,200
165,000	180,000	136,400
120,000	120,000	109,900
90,000	105,000	151,000
224,250	113,712	135,654
450,000	600,000	460,000
21,000	47,250	65,826
22,500	30,000	103,068
63,000	1,021,650	409,550
1,535,000	1,535,000	1,561,666
1,250,000	1,472,000	1,215,333
315,000	365,000	323,333

24

EVALUATION OF TENDERS : PHASE I

TECHNICAL ADEQUACY OF BIDS

PHASE I

(14 PUBLIC LAT

NO.	ITEM REVIEWED	C.V. SEDERHANA	SU
C.	No of Closets	20,000	
F.	Septic Tank	640,000	
D.	Sewer M.H.	280,000	
	Sewer Pipe	51,375	
A.	Door & Frame	520,000	1,
H.	Hanger	104,000	
G.	Basin Drain	260,000	
B & I	Water Services	593,500	
E.	Concrete	63,280	
J.	Public Hydrant	73,105	
M.	Storage Reservoir	410,000	
K.	Well Cover	288,000	
N.	Brick Work	74,061	
	Plaster	62,876	
O.	Paint	108,100	
	Labour Unit Price		
	Foreman	900	
	Senior Skilled	1,400	
	Skilled	1,300	
	Unskilled	600	

P[illegible] 1. (3)

(BLIC LATRINES)

C.V. SUMBER MAJOR	C.V. PARTUNGGAL	AVERAGE
30,000	31,000	27,000
980,000	2,500,000	1,373,333
162,000	119,000	170,333
274,000	411,000	245,333
1,040,000	1,550,000	1,040,000
26,000	26,000	52,000
26,000	52,000	112,666
474,800	890,000	652,766
63[illegible],800	1,265,600	653,893
96,000	96,000	88,368
296,000	650,000	452,000
240,000	300,000	276,000
209,760	393,300	255,707
60,750	65,812	63,146
216,200	485,450	270,250
1,000	1,750	1,217
1,250	2,000	1,550
1,000	1,500	1,267
700	900	733

No.		C.V.	
1.	Bid Proposal	S	
2.	Cost Estimate	S	
3.	Unit Price List	S	
4.	Time Schedule	S	
5.	Analysis of Unit Price	S	
6.	Working Method	S	
7.	List of Field Personnel	S	
8.	List of Equipment	S	
9.	Fiscal Letter	S	
10.	Balance Sheet	S	
11.	Investment Structure	100% Native	
12.	Supervisory Board Structure	S	
13.	Certificate of Incorporation	S	
14.	Business Licens	S	
15.	Bank Reference	Directed to Consu	Direct in Co
16.	Regional Prequalification	Economically Weak	Econom
17.	Envelope	S	

PHA-

(10 HOUSES & 14 PUBLIC LATRINES)

C.V. SUMBER MAKMUR	C.V. PARTUNGGAL	REMARKS
S	S	S = Submit
S	S	
S	S	
S	S	
S	S	
S	-	
S	S	
S	S	
S	S	
S	S	
-	-	
S	S	
S	S	
S	S	
Directed to General in Central Java	Directed to CJWSP	
Economically Weak	Economically Weak	
S	S	

EVALUATION ON TENDER : PHASE II

TECHNICAL ADEQUACY OF BIDS (4 PUBLIC BATI

NO.	ITEM REVIEWED	C.V. JAYA SAKTI
	TOTAL BID	19,975,000
	PRELIMINARIES	400,000
	CIVIL WORK	16,774,760
	PLUMBING	1,841,125
	MISCELLANEOUS	460,000
	TOTAL PRICE	Wrong in Tax
	TIME SCHEDULE	No Schedule for Restoration of Public Latrines
	WORKING METHOD	Not Sufficient
	FIELD PERSONNEL	Not Enough
	EQUIPMENT	To be Completed
	UNIT PRICE	
	MATERIAL	Some too high Some too low
	LABOUR	Acceptable
	UNIT COST	Low in out side utilities Low in Well Cover (Item K)

PHASE II

APPENDIX V-(1)

BLIC BATH HOUSES & 15 PUBLIC LATRINES)

'I	C.V. WIJAYA	C.V. KEDUNG REJO ABADI	AVERAGE
00	20,000,000	18,550,000	19,508,333
00	200,000	200,000	266,666
60	17,311,457	15,364,340	16,483,519
25	1,541,125	2,147,750	1,843,333
00	400,000	400,000	420,000
	Wrong in Extended Price	Wrong in Tax	
r Resto- to Latrines	Not Acceptable	Acceptable	
	-	Acceptable	
	Not Enough	Not Enough	
d	To be Complete	To be Completed	
	Some too high Some too low	Acceptable Some too high	
	Acceptable	Acceptable	
e utili-	High in Foundation	Low in Foundation	
er	Low in out side utilities	High in Out side utilities	

EVALUATION ON TENDER : PHASE II
TECHNICAL ADEQUACY OF BIDS.

PHASE II
(4 PUBLIC BATH

NO.	ITEM REVIEWED	C.V. JAYA SAKTI
1.	Foundation incl. Reinf Concrete Excavation	
	A. 60 cm Wide	1,115,896
	B. 45 cm Wide	1,013,876
2.	Reinf. Concrete Columns	414,728
3.	Rough Brick Work	
	A. 11 cm Thick	1,285,664
	B. 04 cm Thick	55,140
4.	Tile Work	
	A. 20 x 20 cm Floor Tile	110,472
	B. 109 x 109 mm Cramic Tile	2,560,740
5.	Plaster Wall Finish	476,252
6.	Roof Trusses & Roofing Complete with Wood Preserve	1,960,064
7.	Water Storage Reservoir	200,000
8.	Hollow Metal Doors & Frames	1,635,840
9.	Plumbing	
	A. Water Piping From Meter	400,000
	B. Drain Piping to Septic Tank	200,000
	C. Floor Drains & Water Closet	600,000
10.	Concrete Floor & Sand Bed	235,564
11.	Electrical	460,000
12.	Painting Metal Work Only	245,000
13.	Walls For Caretaker Room	200,000
14.	Rain Gutter & Down Spouts	460,560
15.	Removal of Existing Structures and Site Preparation	150,000
16.	Out side Utilities	437,000
17.	Temporary Office	400,000

PHASE II

BLIC BATH HOUSES)

I	C.V. WIJAYA	C.V. KEDUNG REJO ABADI	AVERAGE
6	1,247,880	777,600	1,047,125
6	1,192,120	784,000	996,665
8	557,824	470,400	480,984
4	1,099,612	993,600	1,126,292
0	59,236	64,000	59,458
2	113,300	118,800	114,190
0	2,114,925	2,400,000	2,358,555
2	428,000	584,000	499,457
4	1,600,000	1,960,000	1,840,021
0	200,000	200,000	200,000
0	1,635,840	1,280,000	1,517,226
0	300,000	240,000	313,333
0	200,000	144,000	181,333
0	400,000	440,000	480,000
4	238,324	230,000	234,629
0	400,000	400,000	420,000
0	245,000	112,000	134,000
0	200,000	160,000	186,666
0	330,000	300,000	300,186
0	250,000	14 ,000	180,000
0	398,000	1,432,000	700,000
0	200,000	200,000	233,333

EVALUATION ON TENDER : PHASE II
TECHNICAL ADEQUACY OF BIDS.

28

PHASE
(15 PUBLIC

NO.		C.V. JAYA SAKTI
C.	No of Closets	45,000
E.	Septic Tank	1,095,000
D.	Sewer M.H.	68,000
	Sewer Pipe	157,000
A.	Door & Frame	1,060,000
H.	Hanger	106,000
G.	Basin Drain	132,500
B & J	Water Service	443,125
F.	Concrete s/w	142,260
I	Public Hydrant	450,000
M.	Storage Reservoir	140,000
K.	Well Cover	25,000
N.	Brick Work	154,117
	Plaster	171,379
O.	Paint	511,800
	Labour Unit Price	
	Foreman	1,500
	Senior Skilled	1,500
	Skilled	1,400
	Unskilled	700

PHASE II

PUBLIC LATRINES)

	C.V. WIJAYA	C.V. KEDUNG REJO ABADI	AVERAGE
	45,000	180,000	90,000
	1,095,000	1,530,000	1,240,000
	68,000	170,000	102,000
	157,000	157,000	157,000
	1,060,000	424,000	848,000
	106,000	26,500	79,500
	132,500	212,000	159,000
	443,125	531,750	472,666
	149,260	97,[illegible]	131,846
	406,000	175,000	343,666
	143,500	196,[illegible]00	159,833
	200,000	300,000	175,000
	209,627	194,[illegible]00	205,981
	157,522	147,[illegible]21	158,007
	855,000	341,000	598,666
	1,000	250	1,033
	1,500	1,500	1,500
	1,300	1,300	1,333
	700	600	666

29

EVALUATION ON TENDER : PHASE II

ADMINISTRATIVE ADEQUACY OF BIDS

PHASE II

(4 PCS TO BATH HOUSES & 15 P

NO.		C.V. JAYA SAKTI	
1.	Bid Proposal	* No signed on stamp	
2.	Cost Estimate	S	
3	Unit Price List	S	
4.	Time Schedule	S	
5.	Analysis of Unit Price	S	
6.	Working Method	S	
7.	List of Field Personnel	S	
8.	List of Equipment	S	
9	Fiscal Letter	S	
10.	Balance Sheet	S	
11.	Investment and Structure	Not stating Percentage of Native ownership	No of
12.	Supervisory Board Structure	S	
13.	Certivicate of Incorporation	S	
14.	Business License	S	
15.	Bank Reference	Directed to General Central Java	Di Su
16.	Regional Prequalification	Economically Weak	Ec
17.	Envelope	S	

[illegible]

[illegible] PUBLIC LATRINES)

	C.V. [illegible]	C.V. [illegible]	REMARKS
2	S	S	* Invalid
	S	S	S - [illegible]
	S	S	
	S	S	
	S	S	
	-	S	
	S	S	
	S	S	
	S	S	
	-	S	
tage ip	Not stating Percentage of native owner ship	100 Nati[illegible]	
	S	S	
	S	S	
	S	S	
1	Directed to Mayor of Surakarta	Directed to [illegible]	
	Economically Weak	Economically [illegible]ak	
	S	S	

EVALUATION ON TENDER : PHASE III

TECHNICAL ADEQUACY OF BIDS

PHASE II

(3 PUBLIC BATH HOUSES &

NO.	ITEM REVIEWED	C.V. SUKHA MAGGA
	TOTAL BID	19,861,000
	PRELIMINARIES	200,000
	CIVIL WORK	17,403,072
	PLUMBING	1,385,700
	MISCELLANEOUS	390,000
	TOTAL PRICE	Correct
	TIME SCHEDULE	Acceptable
	WORKING METHOD	Acceptable
	FIELD PERSONNEL	Enough
	EQUIPMENT	Sufficient
	UNIT PRICE	
	MATERIAL	Some too high Some too low
	LABOUR	Acceptable
	UNIT COST	Low in Plaster wall Low in Septic Tank

APPENDIX VI-(1)

PHASE III

HOUSES & 31 PUBLIC LATRINES)

A	C.V. SARANA KARYA	C.V. TRI DHARMA KARYA	AVERAGE
0	19,993,000	19,987,000	19,947,000
)	125,000	-	187,500
2	17,515,488	17,886,050	17,601,536
0	1,505,215	1,501,225	1,464,046
)	420,000	450,000	420,000
	Wrong in Extended Price	Wrong in Sub Total, Extended Price & Item 3	
e	Restoration of Latrines start too late.	Acceptable	
	Acceptable	-	
	Not Enough	Enough	
t	To be completed	To be completed	
	-		
	-	-	
	Low in Plaster Wall High in Septic Tank (Item E)	Too High in Plaster Wall,	
wall Tank			

EVALUATION ON TENDER : PHASE III — PE
TECHNICAL ADEQUACY OF BIDS — (3 PUBLIC

NO.	ITEM REVIEWED	C.V. SUKHA MAGGA
1.	Foundations incl. Rein. Concrete & Excavation	
	A. 60 cm Wide	1,061,100
	B. 45 cm Wide	1,212,000
2.	Reinf. Concrete Coloumns	176,400
3.	Rough Brick Work	
	A. 11 cm Thick	972,000
	B. 04 cm Thick	48,000
4.	Tile Work	
	A. 20 x 20 cm Floor Tile	125,400
	B. 109 x 109 mm Cramic Tile	1,012,500
5.	Plaster Wall Finish	921,900
6.	Roof Trusses & Roofing Complete with Wood Preserve	480,000
7.	Water Storage Reservoir	120,000
8.	Hollow Metal Doors & Frames	1,368,000
9.	Plumbing	
	A. Water Piping From Meter	180,000
	B. Drain Piping to Septic Tank	105,000
	C. Floor Drains & Water Closet	120,000
10.	Concrete Floor & Sand Bed	213,000
11.	Electrical	300,000
12.	Painting Metal Work Only	36,000
13.	Walls for Caretaker Room	47,500
14.	Rain Gutter & Down Spouts	78,000
15.	Removal of Existing Structures and Site Preparation	69,800
16.	Out side Utilities	761,400
17.	Leveling, Excavation & Compacted	58,600
18.	Temporary Office	200,000

31a

PHASE III

(3 PUBLIC BATH HOUSES)

VI-(2)

GA	C.V. SARANA KARYA	C.V. TRI DHARMA KARYA	AVERAGE
	1,053,000	1,069,200	1,061,100
	1,080,000	1,200,000	1,164,000
	168,000	189,000	177,800
	972,000	972,000	972,000
	45,600	52,800	48,800
	132,000	123,000	126,150
	1,068,750	1,125,000	1,068,750
	438,000	1,75[illegible],000	890,000
	480,000	52[illegible],000	495,000
	126,000	15[illegible],000	132,000
	1,320,000	1,44[illegible],000	1,376,000
	181,500	210,000	190,500
	112,500	[illegible]	102,500
	123,000	1[illegible]0,000	131,000
	224,250	20[illegible],000	215,050
	420,000	45[illegible],000	420,000
	26,000	31,[illegible]0	26,250
	55,000	45,000	42,500
	82,500	90,000	83,[illegible]0
	74,000	63,000	68,033
	797,000	620,000	726,133
	64,[illegible]00	6[illegible],000	62,200
	125,000	—	1[illegible],[illegible]00

EVALUATION ON TENDER : PHASE III

TECHNICAL ADEQUACY OF BIDS

PHASE I

(3) PUBLIC I

NO.	ITEM REVIEWED	C.V. SURHA MAGGA
C.	No of Closets	1[illegible],000
E.	Septic Tank	3,020,000
D.	Sewer M.H.	204,000
	Sewer Pipe	752,500
A.	Door & Frame	2,031,000
H.	Hanger	39,550
G.	Basin Drain	79,100
B & I	Water Service	839,300
F.	Concrete s/w	593,880
J.	Public Hydrant	432,000
M.	Storage Reservoir	731,250
K.	Well Cover	171,000
N.	Brick Work	279,994
	Plaster	289,398,50
O.	Paint	435,400
	Unit Price Labour	
	Foreman	1,500
	Senior Skilled	1,500
	Skilled	1,250
	Unskilled	750

C.V. SAMBA KARYA	C.V. [illegible]	AVERAGE
200,000	200,000	193,333
3,535,000	3,14[illegible],000	3,23[illegible],666
272,000	238,000	238,000
872,900	812,700	812,700
2,265,650	2,147,000	2,148,833
39,550	39,550	39,550
85,880	79,100	81,360
941,215	929,225	90[illegible],246
613,[illegible]	602,[illegible]	605,118
456,[illegible]00	432,000	440,266
861,250	861,250	817,916
176,40[illegible]	172,8[illegible]0	173,400
301,532	2[illegible]6,147,50	292,557
3[illegible]0,324,50	304,630	314,784
435,400	435,400	435,400
-	-	1,500
-	-	1,500
-	-	1,250
-	-	750

EVALUATION ON TENDER : PHASE III

TECHNICAL ADEQUACY OF BIDS. (3 PUBLIC BATH H

No.		C.V. SUKHA MAGGA
1.	Bid Proposal	S
2.	Cost Estimate	S
3.	Unit Price List	S
4.	Time Schedule	S
5.	Analysis of Unit Price	S
6.	Working Method	S
7.	List of Field Personnel	S
8.	List of Equipment	S
9.	Fiscal Letter	S
10.	Balance Sheet	S
11.	Investment Structure	100 % Native
12.	Supervisory Board Structure	S
13.	Certificate of Incorporation	S
14.	Business License	S
15.	Bank Reference	Directed to PAB - I
16.	Regional Prequalification	Economically Weak
17.	Envelope	S

PHASE III

C BATH HOUSES & 31 PUBLIC LATRINES)

A	C.V. SARANA KARYA	C.V. TRI DHARMA KARYA	REMARKS
	S	S	S = Submit
	S	S	
	-	-	
	S	S	
	-	-	
	S	-	
	S	S	
	S	S	
	S	S	
	S	S	
a	Not stating percentage of native ownership	-	
	S	-	
	S	S	
	S	S	
B - 1	S	S	
ook	Economically Weak	Economically Weak	
	S	S	