

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

Ministry of Macroeconomics and Statistics
Ministry of Communal Services
City of Tashkent

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THE REPUBLIC OF UZBEKISTAN

**The Study Report
for Improvement of Management and Tariff Policy
in Water Supply Services
in the Republic of Uzbekistan**

FINAL REPORT

DATA REPORT

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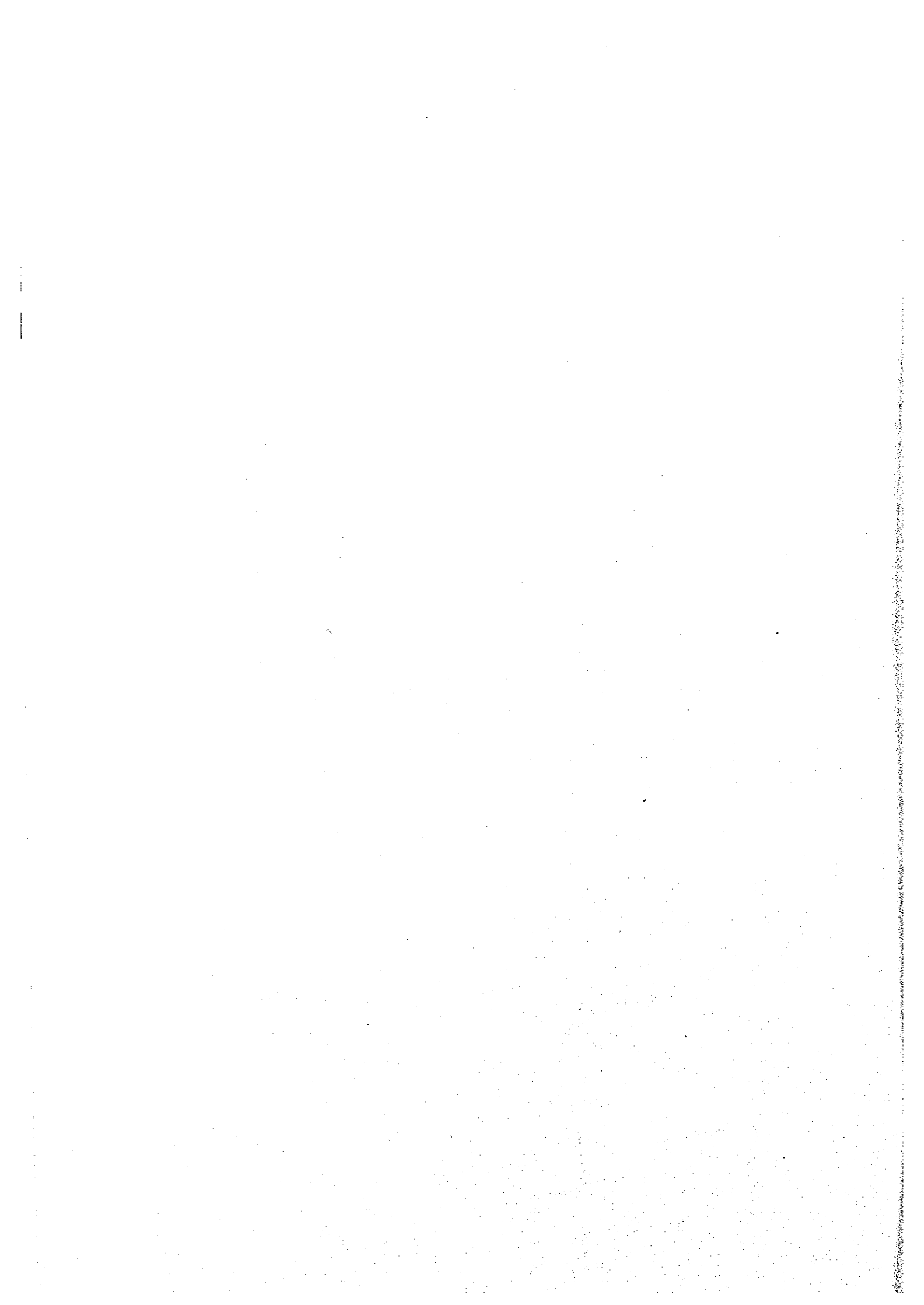
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MARCH 2000

Showa Ota & Co.

Nippon Jogensido Sekkei Co., Ltd.

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in the Republic of Uzbekistan**

DATA BOOK

List of Acronyms

Chapter 1	Introduction and Scope of the Study
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None

Chapter 2	Present Status of Water Supply Services in Uzbekistan
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D2-2	Institution and Management Aspects of Water Supply Services	D2-2-1
------	---	--------

Chapter 3	Present Status of Water Supply Services in Tashkent City
------------------	---

D3-1	Organizational Management	D3-1-1
D3-3	Tariffs	D3-3-401
D3-4	Present Status of Computerization	D3-4-1
D3-5	Water Supply System and Operation and Maintenance	D3-5-1

Chapter 4	Present Status of Water Supply Services in Chirchik City
------------------	---

D4-1	Organizational Management	D4-1-1
D4-3	Tariffs	D4-3-401
D4-4	Present Status of Operation and Maintenance	D4-4-1
D4-5	Water Supply Systems and Operation and Maintenance	D4-5-1

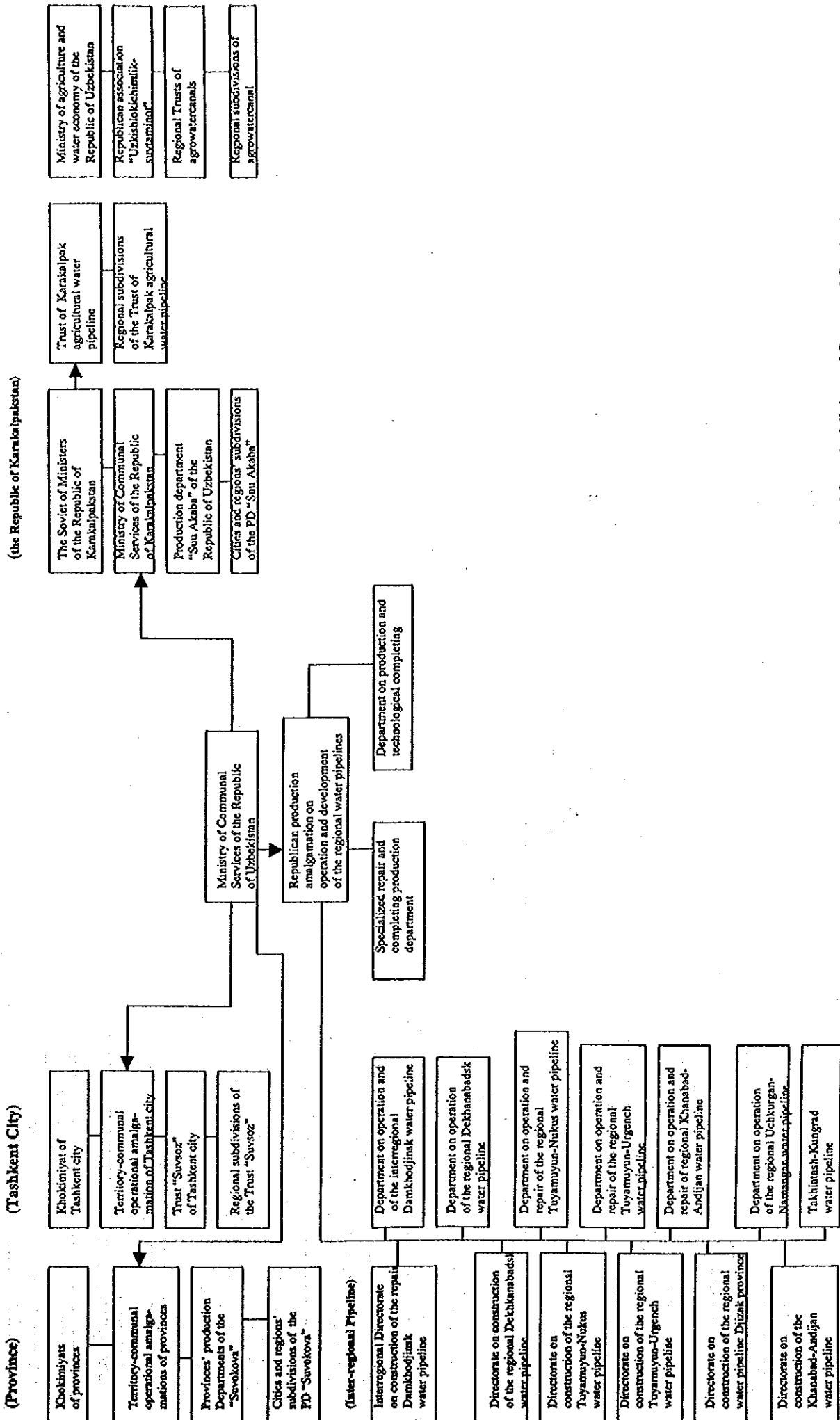
Chapter 5	Field Survey in Tashkent City
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D5-1	Questionnaire Survey on User Awareness	D5-1-1
D5-2	Water Consumption Reserch	D5-2-1
D5-3	Water Leakage Detection	D5-3-1

Chapter 6	Field Survey in Chirchik City
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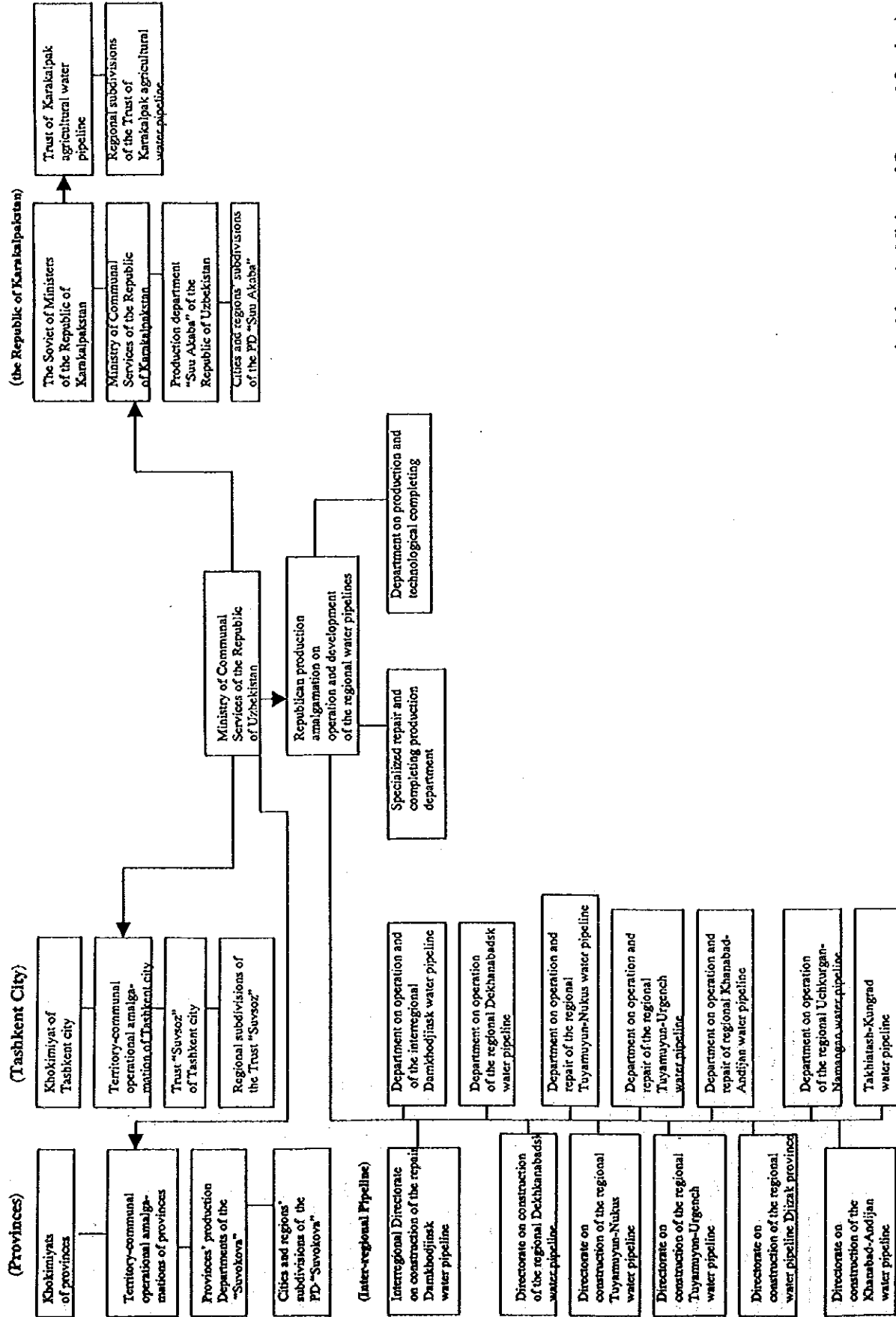
D6-2	Water Consumption Research	D6-2-1
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D. 2-2-1 Structure of Drinking Water Supply and Water Way of the Republic of Uzbekist (before October 1, 1999)

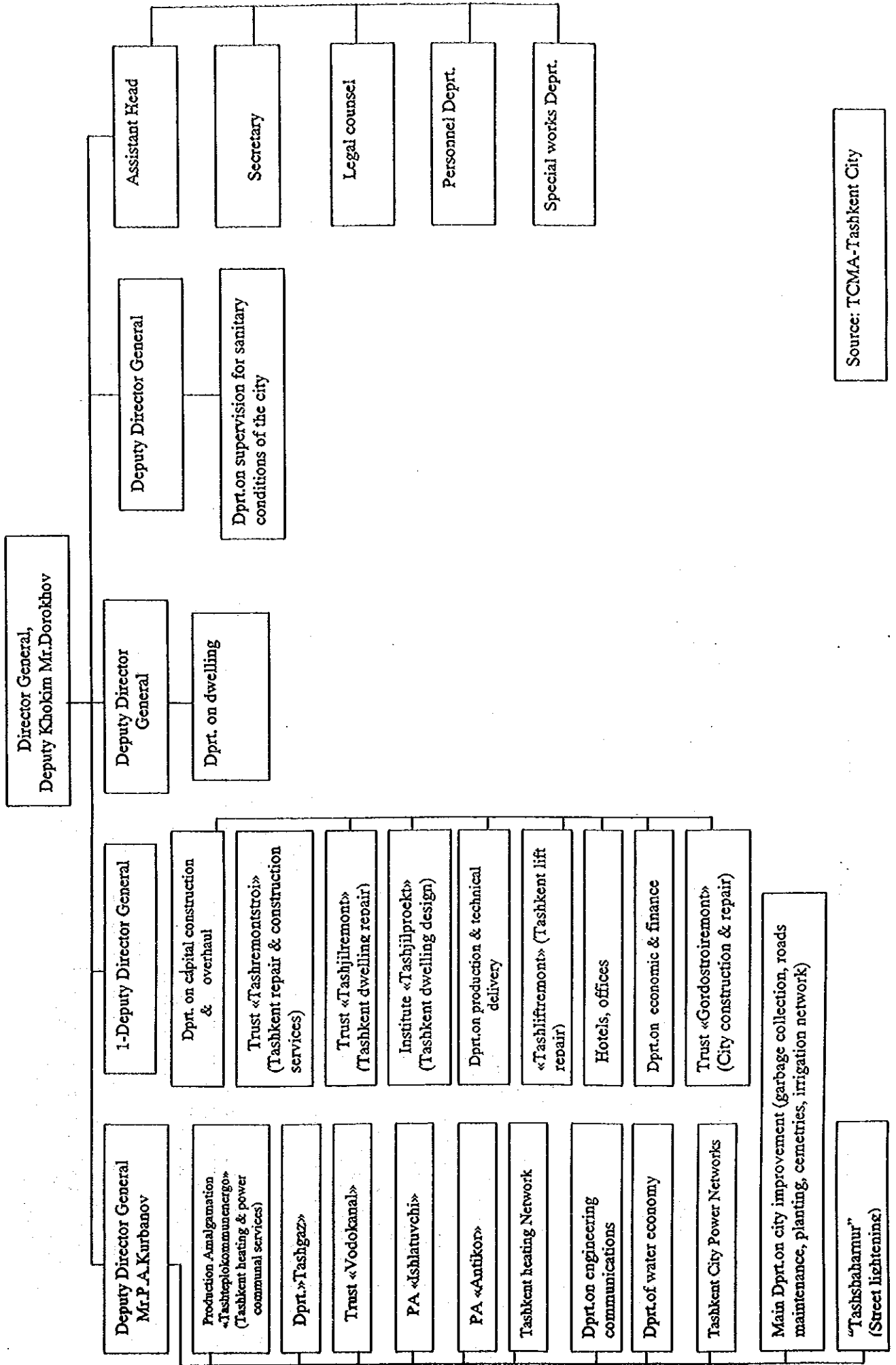


(Received from the Ministry of Communal Services)

D. 2-2-2 Structure of Drinking Water Supply and Water Way of the Republic of Uzbekistan (from 1 October 1999)



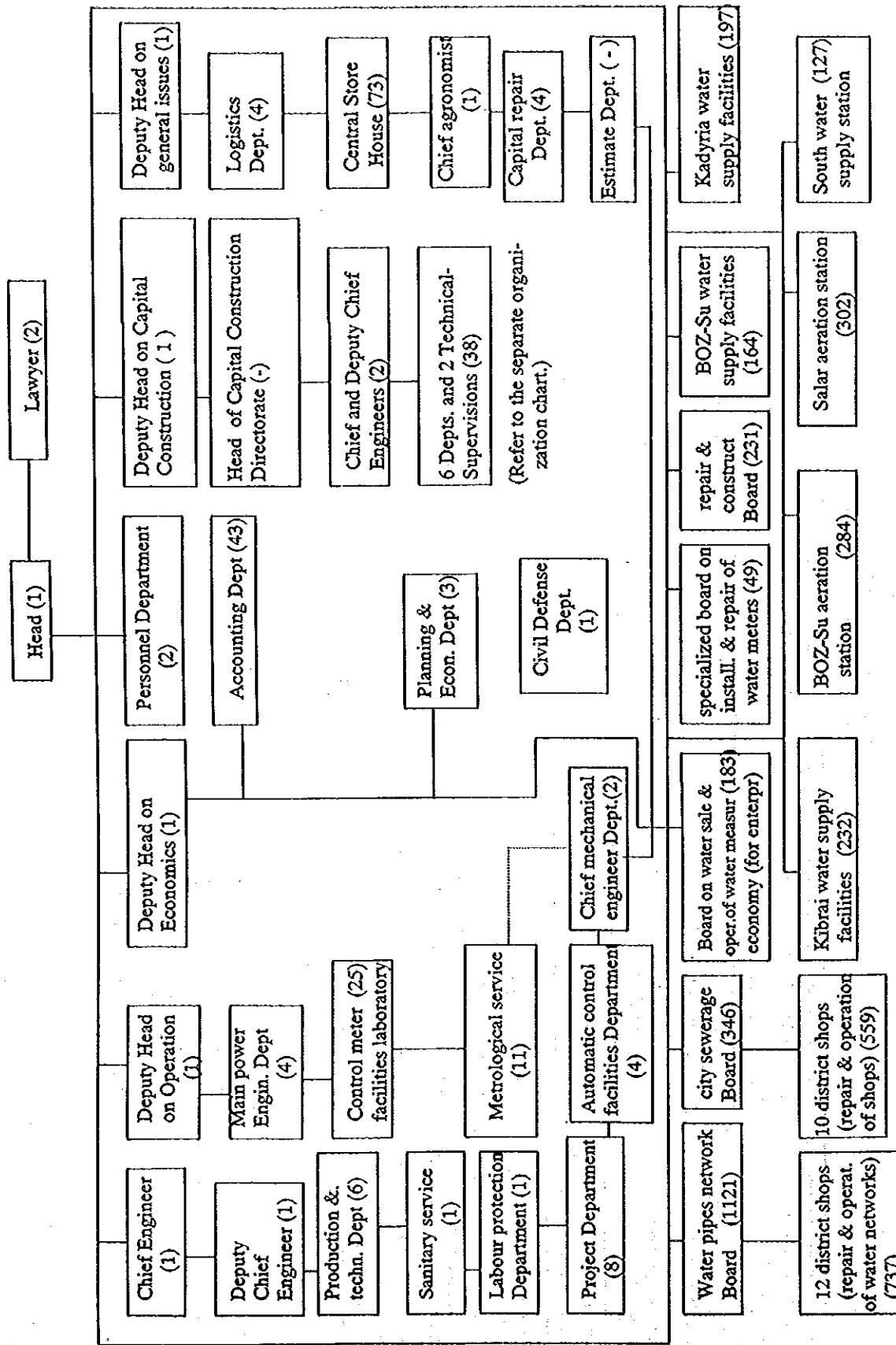
(Received from the Ministry of Communal Services)



Source: TCMA-Tashkent City

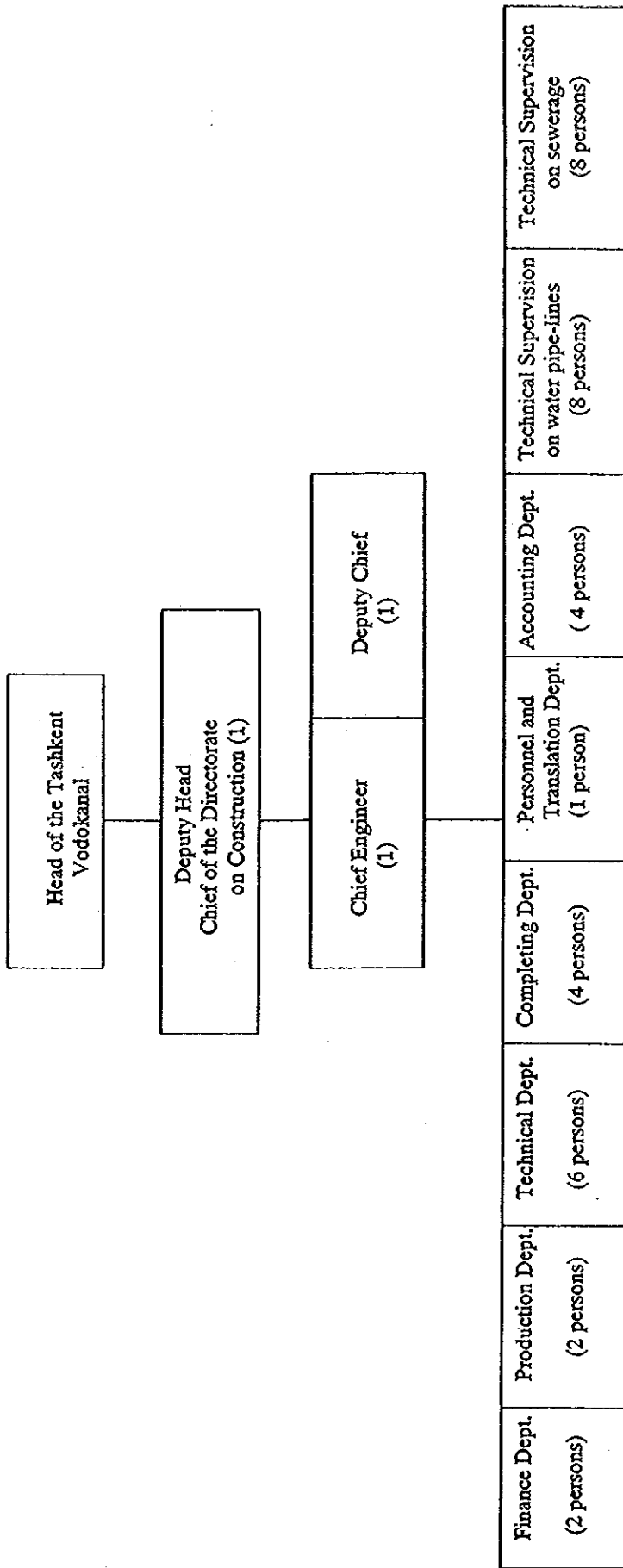
D. 3-1-2 ORGANIZATION CHART OF THE TRUST "VODOKANAL" TASHKENT CITY

(as of July 30, 1999)



Total: 4741 (number of employee)

D. 3-1-3 Organization Chart of the Construction Planning of Tashkent Vodokanal



Total No. of Employee: 38

D. 3-3-401

Dynamics of Tariff Changes for Communal Services and Operational Costs In Tashkent City from 1993 till 1999 (as of 16 July 1999)

occasion	kind of service	Operations costs per 1m2	heating per 1m2	hot water supply per 1 person	cold water supply per 1 person	gas per 1 person	garbage per 1 person	electricity 1kW	telephone (from 1 set)
Resolution of Cabinet of Ministers # 497 of 14.10.93 in effect from 1.11		0.018	0.003	0.03	0.003	0.005	0.02	0.004	0.50
Resolution of Cabinet of Ministers # 45 of 27.01.94 in effect from 1.02.94		0.018	0.03	0.30	0.32	0.01	0.02	0.01	0.50
Resolution of mayor # 133f of 29.03.94 in effect from 1.04.94		0.018	0.03	0.30	0.32	0.01	0.10	0.01	1.50
Resolution of Cabinet of Ministers # 4026 of 17.07.94 in effect from 20.07.94		0.21	0.03	0.30	0.32	0.03	0.10	0.03	1.50
Instruction of mayor # 356f of 1.08.94 in effect from 1.08.94		0.30	0.03	0.30	0.32	0.04	0.95	0.03	3.00
Instruction of mayor # 488f of 18.10.94 in effect from 1.11.94		0.30	0.03	0.30	0.91	0.14	0.95	0.10	12.00
Instruction of mayor # 561f of 17.11.94 in effect from 1.12.94		0.30	0.03	0.30	0.91	0.14	2.00	0.10	12.00
Instruction of mayor # 34f of 19.01.95 in effect from 1.01.95		0.68	0.30	5.50	0.91	0.14	2.00	0.10	12.00
Instruction of mayor # 599f of 17.08.95 in effect from 1.09.95		1.31	0.30	5.50	0.91	0.27	2.00	0.30	30.00
in effect from 1.10.95		1.31	0.30	5.50	0.91	0.68	2.00	0.30	30.00
Order of TCMA in effect from 1.01.96		1.58	0.30	5.50	0.91	0.68	2.00	0.70	30.00
Instruction of mayor # 54f of 29.01.96 in effect from 1.02.96		1.58	0.30	5.50	3.04	0.68	2.00	0.70	60.00
Instruction of mayor # 228f of 4.04.96 in effect from 1.04.96		2.60	0.30	5.50	3.04	2.03	4.00	1.25	60.00
Instruction of mayor # 228f of 4.04.96 in effect from 1.06.96		2.60	0.60	26.00	3.04	2.03	4.00	1.25	60.00
Price list # 19-04-RU 28-96 in effect from 1.12.96		2.60	0.60	26.00	3.04	4.00	4.00	1.25	60.00
Order of TCMA in effect from 1.01.97		3.04	0.60	26.00	3.04	4.00	4.00	1.25	60.00
in effect from 1.12.96		3.04	0.60	26.00	3.04	4.00	4.00	1.60	60.00
Instruction of mayor # 102f of 26.02.97 in effect from 1.03.97		5.28	2.00	50.00	5.98	4.00	4.00	1.60	60.00
Instruction of mayor # 100f of 20.03.97 in effect from 1.04.97		5.28	2.00	50.00	5.98	4.00	15.00	1.60	60.00
in effect from 1.08.97		5.28	2.00	50.00	5.98	12.00	15.00	1.60	60.00
Instruction of mayor # 9f of 12.01.98 in effect from 1.01.98		7.80	2.00	50.00	5.98	12.00	15.00	2.00	90.00
Order of TCMA in effect		7.80	2.00	50.00	14.98	12.00	15.00	2.00	150.00
Instruction of mayor # 298f of 30.06.98 in effect from 1.07.98		7.80	4.00	100.00	14.98	24.30	15.00	3.00	150.00
Decision of mayor # 382f of 15.10.98 in effect from 1.11.98		7.80	4.00	100.00	14.98	24.30	25.00	3.00	150.00
from 1.01.99		8.78							225.00
Decision of mayor # 56 of 01.02.99							50.00		
Decision of mayor # 111 of 23.02.99 in effect from 1.03.99					31.05				
Decision of mayor # 240 of 30.04.99 in effect from 1.05.99		12.49	4.00	100.00	31.05	24.30	50.00	3.00	225.00

(Received from of TCMA Tashkent city)

D.3.4 Present Situation of Computerization

D.3.4.2 Tariff Collection Procedures

(1) Sample Lists

REF3.4.1 Application

“Noz-Ne’mat-Savdo”
Limited partnership with a share capital
P/C 2020800400175948001, Kara-Suvq GaZSB Dept., MFO 00420

Ref. 21

04/05/1999

To: Mr. Filatov A.V., Chief of "Water supply Dept."

Dear Mr. Filatov,

Our company presents its compliment to “Suvsoz” Centralized Direction and herewith applies for water supply services provided by your Direction. We expect you to sign the contract between “Suvsoz” and “Noz-Ne’mat-Savdo”.

“Noz-Ne’mat-Savdo” limited partnership with a share capital hereby guarantees you the in-time payment for services provided by “Suvsoz” Centralized Direction.

Our address is 13, Fergana Yuli Street, Khamza region, Tashkent City.

Yours truly,
Mr. Babakhanov, N.H.,
Director of “Noz-Ne’mat-Savdo”
Limited partnership with a share capital

Stamp &
Signature

To: Mr. Filatov A.V., Chief of "Water sale" Department

From: "Javokhir-TMMF" Subsidiary company

"Javokhir-TMMF" Subsidiary company presents its compliment to "Suvsoz" Centralized Direction and requests your organization to cancel the contract between "Suvsoz" Centralized direction and department store #7, located in 13, Fergana yuli street, Tashkent.

Sincerely yours,
Mrs. Sergeeva T.N.,
Director of "Javokhir-Nur" Subsidiary company.

Stamp &
Signature.

REF 3.4.2Contract

Subscriber #30368

Tashkent City

Daily water fee: UZS9.86

Daily sewerage fee: UZS6.5

CONTRACT No.

FOR INSTALLATION OF COLD WATER METERS

5th April, 1999

"Noz-Ne'mat-Savdo" Limited partnership with a share capital represented by Mr. Babakhanov N. Kh. hereinafter referred to as the Subscriber on the one part, and "Water Sale" Department of Vodocanal Centralized Direction represented by Mr. Filatov A.V. hereinafter referred as the Supplier on the other part, have concluded the present Contract as follows:

Part I.

1. The Supplier provides the Subscriber with drinking water supply of z cube meters per day according to the existing tariffs and water charge for socio-economic and industrial technological purposes;
 - a) In case the daily intakes volume exceeds z cube meters per day, the Subscriber must pay a fine of five times of the water charge amount.
2. The Supplier together with the Subscriber must read water meter at least once per one quarter, the result of this research work must be registered in the report on indexes by water meter.
The Subscriber together with the Supplier must prepare semiannual report on the collation of water meter.
3. The Subscriber undertakes to install devices of the account (water meters) at own expense and to maintain it in normal technical conditions as well as to provide in-time repairing, exchange of broken parts and to arrange their probation by State Standards Committee with the following transmission to the Supplier.
4. Fire-prevention measures (tap, hydrates) are to be sealed by the Supplier, this action is to be registered in bilateral act.

Part II.

1. The Subscriber undertakes to observe the Instructions for using of municipal water supply and over flow system of the Republic of Uzbekistan.
The Subscriber assigns Mr. Kholmuratov to be responsible for water-sewerage services.
2. The Subscriber bears responsibility for violation of the instruction according to the current legislation:
 - a) Water consumption volume is to be read by water and flow meters; Drainage volume in sewerage system must be equal to water volume flows straight from the state water pipeline.
Consumption ratio of 1,3 between hot- and cold-water consumption must be put into operation in the centralized heating system. In case the subscriber has his own intakes the number of their volume must increase drainage volume.
The Subscriber undertakes to observe the Technical Specification such as volume and chemical structure of sewage inflows to the state sewerage system.
The Subscriber bears responsibility for violation of Technical Specification in sewerage system according to the current legislation on the environment protection.
 - b) In case the Subscriber has a lack of meters, he should pay for the stream flow rate and state sewerage services in accordance with the following formula (with respect to Inlet Pipe Cutting and calendar days in month): $Q=MF\sqrt{2gH*1}$
3. Payment for the stream flow rate and state sewerage services is to be carried out by request of the Supplier within three days after payment order without accept or payment bill will be issued.
The Subscriber must pay for the rendered services in time. In case of delay in payment against the date stipulated in the contract the Supplier charges extra payment in value of 0,1% of the payment amount for every subsequent day.
- c) Payment period includes prepayment of 60% of payment amount for previous month with the following offset for the next month. The Subscriber has the right to stop water supply and sewerage services if the Subscriber do not pay in time (within two weeks after payment date).
4. The Subscriber must carry out the installation of intakes flow- and waters meter at his expense. Water meter and its facilities must be registered and approved by State Standards Committee.
5. Reconstruction of water sewerage equipment in connection with a modification of the tariffs is to be carried out by the Subscriber according to the Technical Specification and project conditions approved by the Supplier.
6. The Subscriber encloses with the Contract the Displacement of all building sites within the jurisdiction of the Subscriber as well as calculation on water supply and

chart of state water supply system with respect to the number and diameters of intakes. The Subscriber must give the prior notification to Supplier about modification of the tariffs should be presented in due course.

All changes in water-sewerage system and banking requisites in due course.

7. The Subscriber has the right to make a complaint about report on indexes by water meter after receiving of all relevant documents.
8. In case the prices for energy consumption and other materials will be changed, tariff collection for water supply and sewerage services are to be changed automatically.

Part III.

1. The present Contract is signed in Tashkent in two copies (one copy for each Part).
2. The Contract enters into force from the date of its signing up to the moment of its cancellation.
3. All failed disputes and differences under the present Contract must be settled by arbitration.

Legal Addresses of the Parts:

The Supplier:

Water Sales Department of Tashkent "Vodocanal" Centralized Direction
2, Chekhova street,
Tashkent
700015

Tel: 152 20 72

Bank: Mekhnat Department of UzJiSber Bank, MFO 00423

Bank account: 20210000200101499001

The Subscriber:

Contract signed by:

Signature of Supplier

Signature of Subscriber

Date

Date

Stamp

Stamp

The Draft Contract for Water supply services has been developed according to the Instruction for using of municipal water supply and over flow system of the Republic of Uzbekistan and approved by order#144 of September 16,1994 of Ministry of Communal Services of the Republic of Uzbekistan.

In accordance with the above the present Draft Contract is to be signed in two copies within 10 days after its issue.

For violation of these terms the parts bear responsibility according to the current rules of procedure in Hozaistvennii arbitration Court of the Republic of Uzbekistan.

Mr. Filatov A.V.,
Chief of "Water Sales" Department

Visa: Mr. Babekhanov N. Kh., Director of "Noz-Ne'mat-Savdo" Ltd. received the Draft Contract in two copies.

04/05/99

Signature

REF3.4.3 Meter Reading

Water charge
 Sewerage charge
 Vodocanal Centralized Direction
 Address: 2, Chekhova str., Tashkent
 Tel: 152-20-72

Report on indexes by water meter
 29th of June, 1999
 "Noz Ne'mat savdo" Limited partnership with share capital
 Address: 13, Fergana yuli str. Tashkent

#	Code of affiliated society	Number of water meter	Water meter diameter	Intensification ratio	Date of current month	Current indexes by water meter	Date of last month	Last indexes by water meter	Price difference	Code of paragraph	Code of consumer	Tube diameter	Pressure	Working time	Control amount of money
A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	000	00002	15	1.00	1999/6/29	86	1999/5/17	5	81	108					
Notice: Water meter #00026 with Diameter of 15 mm is working State sewerage is working State water pipeline station -2020800400175948001 00420 25.631.9249 1. Representative of "Water Sale Dept." of "Vodocanal" 2. Subscriber															
Conclusion by Chief of Water Sale Dept.															

Water charge
 Sewerage charge
 Vodocanal Centralized Direction
 Address: 2, Chekhova str., Tashkent
 Tel: 152-20-72

Report on indexes by water meter
 29th of June, 1999
 "Noz Ne'mat savdo" Limited partnership with share capital
 Address: 13, Fergana yuli str. Tashkent

#	Code of affiliated society	Number of water meter	Water meter diameter	Intensification ratio	Date of current month	Current indexes by water meter	Date of last month	Last indexes by water meter	Price difference	Code of paragraph	Code of consumer	Tube diameter	Pressure	Working time	Control amount of money
A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	000	00002	15	1.00	1999/7/30	141	1999/6/29	86	55	108					
Notice: Water meter #00026 with Diameter of 15 mm is working State sewerage is working State water pipeline station -2020800400175948001 00420 25.631.9249 1. Representative of "Water Sale Dept." of "Vodocanal" 2. Subscriber															
Conclusion by Chief of Water Sale Dept.															

REF3.4.4 Calculation

"Noz Ne'mat Savdo" Limited partnership with share capital
 Calculation on payment for drinking water and sewerage services by communal and industrial enterprises (for the period up to 15 July 1999)

Code of subscriber	Code of affiliated society	Calculation of paragraph of period	Code of paragraph	Tube diameter	Tariff	Water		water charge (in UZS)	Sewerage Volume	Sewerage charge	Total amount of water and sewerage charge	
						Volume	overlimit Tariff					
30368	0	17.05.99-29.0	108	0	9.86	81	42.74	798.98	81	526.82	1325.81	
Total in paragraph			108		9.86	81	42.74	798.98	81	526.82	1325.81	
Total for subscriber			30368		9.86	81	42.74	798.98	81	526.82	1325.81	
Prepayment = 795.48											Offset = 0.00	Total amount of payment = 2121.29

"Noz Ne'mat Savdo" Limited partnership with share capital
 Calculation on payment for drinking water and sewerage services by communal and industrial enterprises (for the period up to 11 August 1999)

Code of subscriber	Code of affiliated society	Calculation of paragraph of period	Code of paragraph	Tube diameter	Tariff	Water		water charge (in UZS)	Sewerage Volume	Sewerage charge	Total amount of water and sewerage charge	
						Volume	overlimit Tariff					
30368	0	29.07.99-30.08	108	0	9.86	55	42.74	542.52	55	357.72	900.24	
Total in paragraph			108		9.86	55	42.74	542.52	55	357.72	900.24	
Total for subscriber			30368		9.86	55	42.74	542.52	55	357.72	900.24	
Prepayment = 540.14											Offset = 795.48	Total amount of payment = 644.90

REF3.4.5. Payment Order

Register of charges for water use and sewerage for
the state housing funds on the end-users
for August 1999

Dated 03.09.99

Code of end-user	Period of charges	Volume of water in m3			Sum of charges for water in Soums	Volume of sewage water in m3	Sum of charges for sewerage in Soums		16% cash charges in Soums	Deductions for 50% & 30% privileged pers.	Deductions for 80% in Soums	Total for payment in Soums
		Total	including	on 1.02 Soum			for the sewerage in Soums					
20502	01.08.99-01.09.99	25749	17999	8945	33468	23396	34137.36	3809.96	10790.15	34568.42	30758.37	
	50% privileged pers.		6882	8945								
	30% privileged pers.		868	1127								
Total		25749	17999	23396	33468	23396	34137.36	3809.96	10790.15	34568.42	30758.37	
	50% privileged pers.		6882	8945								
	30% privileged pers.		868	1127								

Register of payment requests

Dated 03.09.99

Code of end-user	Name of end-user	Name of the Department of the state bank	Number of settlement account of the end-user	Period of charges	Sum of charges
20502	Private Firm "George"	Department of the Tashkent Industrial and Construction Bank	20208000500127143001	01.08.99-01.09.99	30758.37

Total: 30758.37
Grand total: 30758.37

Total of the requests: 1
Manager
Chief accountant

Payment requests # 20502

0505411001

without acceptance
date 06.09 1999

Name of the payer Private Firm "George"

200830014

Debit

Account of p.20208000500127143001

Code of payer's Bank 00424

Name of the payer's bank Department of the Tashkent Industrial and Construction Bank

Sum: 30758.37

Name of the Trust "Vodokanal" 201052713

Credit

Sub account 20210000600101499003

Name of the bank receiver Mehnat Department of Housing and Construction Bank Code of bank receiver 00423

Sum in full: Thirty thousand seven hundred fifty eight Soums thirty seven tiyns

In accordance with the agreement # 20502 dated 1 April 1999

For the period 01.08.99 - 01.09.99. On the basis of the metering devices.

Payment details

Water: 25749 m³ on the tariffs 1.81 46605.69 Soum

0 m³ on the tariffs 0.00 0.00 Soum

Sewerage: 33468 m³ on tariffs 1.02 34137.36 Soum

Deductions

50% privileged pers. 10790.15 Soum

30% privileged pers. 816.15 Soum

6% cash charge 3809.96 Soum

inside house service 34568.42 Soum

Head U.I.Tulyaganov

Chief accountant Yu.U. Djuraev

Place of stamp	Bank	Checked	Approved	Passed by the Bank

Payment order # 7044

Without acceptance 5.05E+08
Date 25.08.1999
Name of the client OAO "Vostok-NATS" 2.01E+08
DEBIT
Bank account of the client 20208000000189900000
Name of the client's bank Katartalsky Department of PSB Bank code of the client 00426

AMOUNT 2673.05

Name of receiver "Vodokanal" 2.01E+08
CREDIT
Name of account 2021000200101499001
Name of the receiver's bank Mekhnat dept. of UzZilSberBank in Tashkent bank code creditor 00423

Amount in letters (in UZS): Two thousand six hundred eleven soums 81
In accordance with the contract # 7044 of 1th of January 1999
For the period from 08.07.99 to 01.09.99 on the basis of water meter indication

Payment details

Water: 108 cube meter by tariff of 8,22+20% VAT UZS1065.31
Sewerage: 140 cube meter by tariff of 5,42+20% VAT UZS910.56
watering UZS0,00
overlimit UZS0,00
VAT UZS329.31
60% in accordance with contract UZS1185.52
total UZS488.34

Mr. Tulyaganov, chief of department
Mr. Djuraev, chief accountant

Stamp

Bank	checked	approved	implemented	by the bank

REF3.4.6 Calculation

Code of subscriber	Subscriber	Period of depreciation	water & sewerage charge amount	Overlimit amount	Prepayment amount	Tax fee amount	Payment amount

REF3.4.7 Calculation

16, Alieva

Electronic payment order: #0000002102.26.08.1999

Debtor: DP SNU-4 AO Interstateconstructionrelation

Debtor account: 20210000500155288001

Name of bank payable: Tashkent city, OOHOF; Share operational Dept. Bank code (debtor) 00937

Amount of money: 26642.66

Receiver: Vodocanal Centralized Dept. INN '201052713

Receivable account: 20210000200101400000

Name of bank receivable: Tashkent city Mekhnat Dept. of Uzjilsberbank Bank code (receiver) 00423

Amount of money (written) twenty six thousand six hundred forty two Uzbek Sum

Payment details: O-NO DOG. 2102 from 01.01.99 on the basis of order for the period of 01.07.99 up to 01.08.99

Chief of Dept.

Stamp

Bank

Checked (Signature)

Approved (Signature)

Chief Accountant

Put into operation (26.08.99)

REF3.4.9. Report

REPORT
on fulfillment of the plan of water sale by the Water Sales Board for August,
1999

Group	m ³	Price	Amount	
Water sale total:	54,145,723		236,067,518.61	
including population	23,500,000	1.81	42,535,000.00	
municipal enterprises of them:				
1.	622,599	1.81	1,126,904.19	
	7,279,913	3.00	21,839,739.00	
2.	14,871,402	8.22	122,242,924.44	
3.	1,101,373	8.22	9,053,286.06	
group water pipe	4.	2,555,900	1.81	4,626,179.00
Total:	26,431,187		158,889,032.69	
Industry	4,214,536	8.22	34,643,485.92	

Head of Water Sales Dept.

A. Filatov

REPORT
on fulfillment of the sales plan of the city sewerage services
by the Water Sales Board for August, 1999

Group	m ³	Price	Amount
Sale of city sewerage services total:	45,567,531		103,959,936.50
including population	25,700,000	1.02	26,214,000.00
municipal enterprises of them:			
	1. 435,768	1.02	444,483.36
	78,704,22	1.86	14,638,984.92
	2. 5,049,475	5.42	27,368,154.50
	3. 1,195,389	5.42	6,479,008.38
Total:	14,551,054		48,930,631.16
Industry	5,316,477	5.42	28,815,305.34

Head of Water Sales Dept.

A. Filatov

REF3.4.10 Notification

Executive body of Khokim of Tashkent
Vodokanal
Water sale department

700060, Tashkent, Chekhova str., 2
tel. 56-61-25
a/c 000508709
at Mekhnatskiy Dpt of PSB, bank code 172682315
corr.acc. 300166115

_____ # _____
to # _____ dated _____

NOTIFICATION

As for _____ your company has accounts receivables for water and sewerage service to the amount of _____.

I ask you cover receivables the debt before _____
In case of infringement of the request you will be cut off water without further notification.

Chief of the Watersale and EWE Department

Filatov A.V.

SIGNATORY

I have received the notification on covering accounts receivables to the amount of

with # _____ dated _____ 199__

Signature _____

Place of stamp

REF3.4.11 Warrant

Warrant #30/368 (0) For the period of 17th May, 1999		490403704		Report on water meter exchange	
		Packet number			
		Sheet number			
Card number: <u>10772</u>		Taken Diameter (in mm) =			
Address: <u>13, Fergana yuli str., Tashkent</u>		Taken Index (in m3) =			
Subscriber: <u>"Noz Ne'mat Savdo" Limited</u>		Fixed Diameter (in mm) =		<u>LX-15</u> <input type="text" value="00002"/>	
Partnership with share capital		Fixed Index (in m3) =		<input type="text" value="5"/>	
Diameter (in mm) = <u>LX-15</u> Number: <u>'00002</u>		Notice: <u>Water mwter has been installed</u>			
On the account of _____		in well			
Date of inspection		Control amount of the sheet <input type="text"/>			
Inspector of "Water Sale" Dept.		Engeneer of water meters shop <input type="text"/>			
Family name:	Post:	Date:	Signature:		

Statement

ghj

Tel.
Tashkent city

12-Jun-99

We, the undersigned, the representative from the Trust "Vodokanal" - the brigade-leader of water metering shop Mr. Abdurashidov, the representative from the end-user _____

located at the address: Sabir-Rahim region, 15, Sagban, house 13, Mr. Alimedov Sh, have complied the present statement that this day the water meter D=20 mm # 429758 has been installed in exchange of the removed water-meter D= ___ mm # _____.

Water meter has been removed with the reading 0010 m3, installed with the reading _____ m3. The water meter is installed on the straight line, at the tap with sealing of the channel gate valves in the closed position. The end-user is responsible for the safety of water-meter and seals, lighting of water meter knot, condition of well, ensuring of the access to the water-meter during the working time and working order of the gate valves of the water meter knot sealed 38

Note _____

Representative from the Trust "Vodokanal" _____

End-user _____

**CONTRACT NO.
FOR INSTALLATION OF COLD WATER METERS**

" " _____, 1999

(Surname, name, patronymic)

residing at the address:

hereinafter referred to as the "House Owner", on the one hand, and the Chirchik Production Board "SUVOKOVA" represented by Director T.A.Abdullayev, on the other hand, hereinafter referred to as the "Executive", have entered into this Contract as follows:

1. The House Owner shall:

- a) pay the expenses connected with installation and registration of cold water meters in the amount of _____ soum, within the period until " " _____, 1999, with obligatory monthly paying off.

Kinds of services	Schedule of monthly payment in 1999			
	I quarter	II quarter	III quarter	IV quarter
Installation & registration of a water meter	2,612.75	2,612.75	2,612.75	2,612.75

- b) make current payments for supply of household drinking water and services of the city sewerage according to the existing tariffs and terms;
- c) ensure safety of controlling seals and operate the meter in conformity with technical rules and norms;
- d) observe the existing "Regulations on utilization of the municipal supply systems and drainage in the Republic of Uzbekistan";
- e) when leaving the house, the House Owner shall notify the Executive 10 days before leaving, and make complete settlement for the consumed water and sewage. After the House Owner's departure, the responsibility for his indebtedness and safety of the water meter shall transfer to a new owner.

2. The Executive shall:

- a) install the water measuring unit with a water meter in accordance with the requirements of the Uzbekistan State standard and 8KMK;
- b) register the water measuring unit with sealing of the unit for the purpose of making further settlements on the basis of the water meter indices;
- c) perform controlling examination and reading of the cold water measuring unit as often as once a quarter.

3. If the House Owner doesn't pay for installation and registration of the water meter within the terms herein specified, the Executive can switch the House Owner off the city water-supply and sewerage network with preliminary verbal advice of the House Owner 3 days before switching off, subject to switching on after making payment.

In case of unwarranted switching to the city water supply and sewerage network, the House Owner shall incur administrative and criminal liability according to the existing legislation.

This Contract has been filled out in 2 copies, one copy for each party.

ADDRESSES OF THE PARTIES

Chirchik, 1, Boz-Suv bekati tor Street
Production Board "SUVOKOVA"
Account: 20210000800135227001
at the Chirchik branch of UzZhSB
MFO 00478, INN 200941730

Signatures

REF 3.4.14 Customer Book

Receipt	Tashkent city, Trust "Suvsoz"		
	Settlement account 2021000600101499003		
	Mehnat Department of Social and Housing Fund MFO 00423		
	INN 201052713		
	Personal account # _____		
	Surname, Name, Patronymic name _____		
	Address _____		
	in free price	date	indices of metering facilities
	meter's readings (before)		
	meter's readings (after)		
Difference			
Sum			
Fine			
Total			
Cashier	Tashkent city, Trust "Suvsoz"		
	Settlement account 2021000600101499003		
	Mehnat Department of Social and Housing Fund MFO 00423		
	INN 201052713		
	Personal account # _____		
	Surname, Name, Patronymic name _____		
	Address _____		
	in free price	date	indices of metering facilities
	meter's readings (before)		
	meter's readings (after)		
Difference			
Sum			
Fine			
Total			
Cashier	Tashkent city, Trust "Suvsoz"		
	Settlement account 2021000600101499003		
	Mehnat Department of Social and Housing Fund MFO 00423		
	INN 201052713		
	Personal account # _____		
	Surname, Name, Patronymic name _____		
	Address _____		
	in free price	date	indices of metering facilities
	meter's readings (before)		
	meter's readings (after)		
Difference			
Sum			
Fine			
Total			

REF 3.4.15 Customer Book

Cashier	Trust Vodokana, Settlement Account 2021000600101499003 in the Mehnat Department of Housing & Construction Bank		
	Personal account #		
	Surname, Name, Patronymic name		
	Address		
	Type of payment	Term	Sum
	Water		
	Sewerage		
	Watering/flushing		
	Automachines and others		
		fine	Total
Cashier	Trust Vodokana, Settlement Account 2021000600101499003 in the Mehnat Department of Housing & Construction Bank		
	Personal account #		
	Surname, Name, Patronymic name		
	Address		
	Type of payment	Term	Sum
	Water		
	Sewerage		
	Watering/flushing		
	Automachines and others		
		fine	Total

REF 3.4.16 JEK

CHARACTERISTICS OF SUB-CUSTOMERS OF THE STATE HOUSING RESERVE

Date: 03.09.99

Code of customer (Municip. Maint. Board - ZHEU)	Code of sub-customer (Housing Maint. Office- ZHEK)	Code of sub-customer (apartment)	Address of sub-customer 2	Code of city improvement	Code of water meter availability	Housing area	Q-ty of residents	Q-ty of privileged residents	Q-ty of participants in war	Q-ty of flats	Floor
20502	2	1	41, district 4	12	1	1458	107	27	4	48	4
20502	2	2	42, district 4	12	0	2707	172	47	5	80	4
20502	2	3	43, district 4	12	1	2059	158	47	4	64	4
20502	2	4	44, district 4	12	0	1901	112	14	13	56	4
20502	2	5	45, district 4	12	0	2809	194	32	19	80	4
20502	2	6	47, district 4	12	0	927	81	21	2	30	4
20502	2	7	48, district 4	12	0	2182	163	43	6	56	4
20502	2	8	76, district 4	12	0	5442	389	100	0	108	9
20502	2	9	46, Yu-Abad, district	12	0	1147	81	22	3	48	4
20502	2	10	72, Yu-Abad, district	12	0	1769	120	32	0	45	9
20502	2	11	73, Yu-Abad, district	12	1	1650	139	20	0	45	9
20502	2	12	74, Yu-Abad, district	12	1	5640	426	185	0	108	9
20502	2	13	77, Yu-Abad, district	12	1	1745	109	44	5	45	9
20502	2	14	49, Yu-Abad, district	12	1	2069	154	42	12	64	4
Total for code of city improvement:						33505	2405	676	73	877	
Total for sub-customer 1:						33505	2405	676	73	877	



(2) Systems

Fig D.3.4.1 Computer Systems

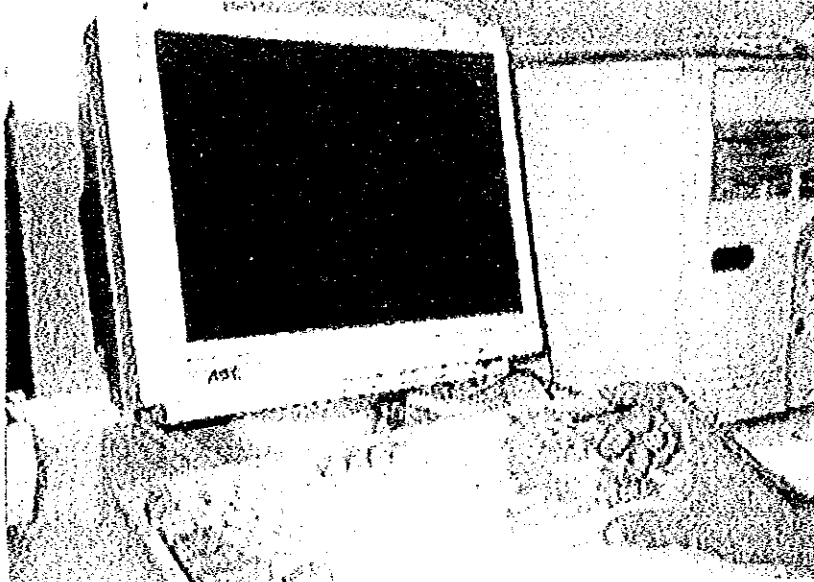


Fig D.3.4.2 Computer Room of Water Sales Department



(3) Meter Reading

Fig D.3.4.3 Water Meter

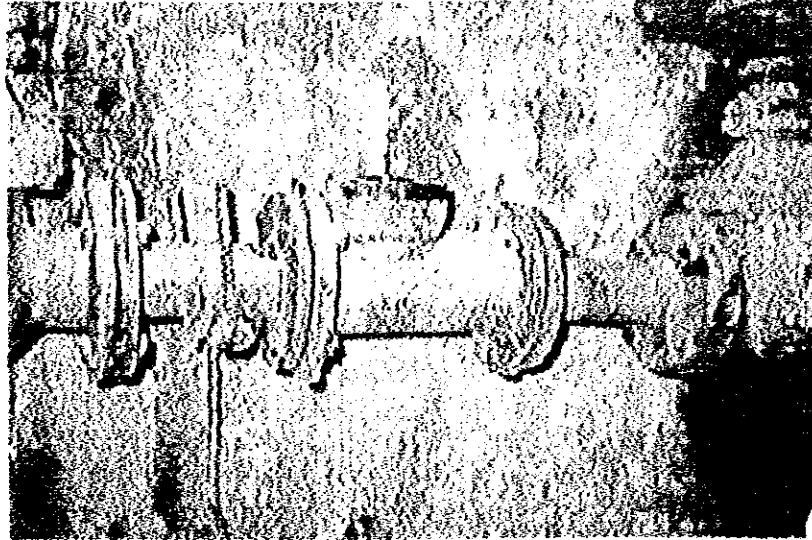
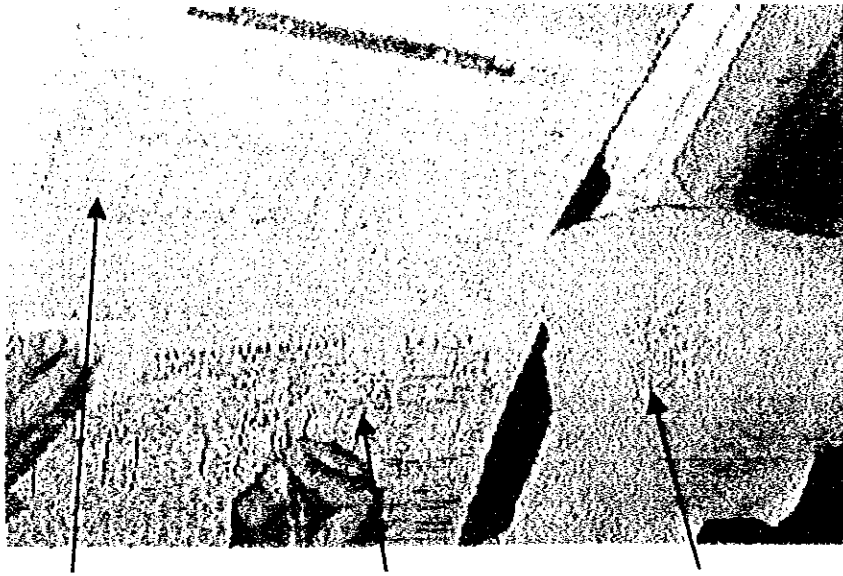


Fig D.3.4.4 Controller who is Making Akt



Fig D.3.4.5 Akt



The Akt of Last Time

The Akt of This Time

Figure of Water Meter

Fig D.3.4.6 Singing Controller and User



