

# Procurement Plan for Liaoning Safe and Sustainable Urban Water Supply Project

Loan No. : 88370

## I. General

### 1. Project information:

The project will finance investments in the construction, repair/ rehabilitation and upgrading of water supply infrastructure facilities and technical assistance to improve operational and management capacities of participating five water supply companies, namely Anshan, Fushun, Fuxin, Gaizhou and Shenyang Water Companies. The project development objectives are to improve water quality and operational efficiency of selected water supply utilities in the project areas.

Procurement for the proposed project will be carried out in accordance with the World Bank's "Guidelines: Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits and Grants by World Bank Borrowers" dated January 2011, revised July 2014, and "Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits and Grants by World Bank Borrowers" dated January 2011, revised July 2014, and the provisions stipulated in the legal agreements. "Guidelines on Preventing and Combating Fraud and Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants dated October 2006 and revised Jan 2011" shall apply to the project. "Guidelines on Preventing and Combating Fraud and Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants, dated October 2006 and revised Jan 2011" shall apply to the project.

The project procurement plan dated January 17, 2018 for the whole period of project implementation, prepared by Liaoning PPMO, has been submitted and reviewed by the World Bank. It will also be available in the project's database, on the World Bank's external website and at PPMO's office. The procurement plan will be updated in agreement with the World Bank annually or as required to reflect actual project implementation needs and improvement in institutional capacity. Further details on procurement are provided in the project procurement plan.

All procurement of project will be carried out by Liaoning PPMO( Liaoning Urban Construction and Renewal Project Management Company Limited ) and each city's PIU. Detail project implementation agencies of each city are as following table:

No.	Project City	Implementation agency
1	Shenyang	Shenyang Water Supply Group
2	Anshan	Anshan Water Supply Co.
3	Fushun	Fushun Water Supply Co.
4	Fuxin	Fuxin Water Supply Co.
5	Gaizhou	Gaizhou Water Supply Co.

2. **Bank's approval Date of the procurement Plan:** Original: March 2018

3. **Date of General Procurement Notice:** March 9, 2018

4. **Period covered by this procurement plan:** The procurement period of project covered from year May 2018 to August 2021

## II. Goods and Works and Non-consulting Services.

1. **Prior Review Threshold:** Procurement Decisions subject to Prior Review by the Bank as stated in Appendix 1 to the Guidelines for procurement: Thresholds for applicable procurement methods of the Project have been determined as following table:

**Thresholds for Procurement Methods and Prior Review**

<b>Expenditure Category</b>	<b>Contract Value Threshold (US\$)</b>	<b>Procurement Method</b>	<b>Prior Review Threshold (US\$)</b>
1. Civil works	≥40,000,000	ICB	
	<40,000,000	NCB	≥US\$15 million
	<500,000	Shopping	
2. Goods	≥10,000,000	ICB	
	<10,000,000	NCB	≥US\$4 million
	<500,000	Shopping	

**Notes:** ICB: International Competitive Bidding  
NCB: National Competitive Bidding  
DC: Direct Contracting

2. **Prequalification:** Not applicable.
3. **Reference to Project Operational/Procurement Manual:** Management manual for World Bank Loan Project in Liaoning Province issued by Liaoning Financial Bureau.
4. **Proposed Procedures for CDD Components (as per paragraph. 3.17 of the Guidelines:** No applicable.
5. **Any Other Special Procurement Arrangements:** Not applicable.

## 6. Procurement Packages with Methods and Time Schedule

1	2	3	4	5	6	7
Ref. No.	Contract Name Description	Estimated Cost (USD x 10 <sup>6</sup> )	Procurement Method	Review by Bank (Prior/Post)	Expected Tender Advertisement Publication Date	Comments (Expected Duration of Contract: Months)
<b>Anshan Water Supply</b>						
<b>1. Civil Works</b>						
AS-C01	Water distribution pipe network reconstruction project (A)	5.28	Non Bank Finance		7/2018	18
AS-C02	Water distribution pipe network reconstruction project (B)	4.38	NCB	Post	8/2018	18
AS-C03	Building pipeline reconstruction project in Tiedong, Tiexi District	7.26	NCB	Post	10/2018	18
AS-C04	Building pipeline reconstruction project in development zone, Qianshan, Lishan District	5.36	NCB	Post	3/2019	18
<b>2. Goods and Non-consulting Services</b>						
AS-E01	Supply and installation of equipment, materials for water source pumping station and water plant	8.48	ICB(Goods)	Prior	6/2018	18
AS-E02	Supply and installation of equipment and water-meter for secondary boosting pumping stations (A)	6.23	ICB(Goods)	Prior	5/2019	18
AS-E03	Supply and installation of equipment and water-meter for secondary boosting pumping stations (B)	5.08	ICB(Goods)	Prior	5/2019	16
AS-E04	Supply and installation of equipments of SMART water	4.60	ICB(Goods)	Prior	5/2019	18
AS-E05	Valve, pipe network maintenance equipment, engineering vehicles procurement	2.53	ICB(Goods)	Post	10/2018	16

1	2	3	4	5	6	7
Ref. No.	Contract Name Description	Estimated Cost (USD x 10 <sup>6</sup> )	Procurement Method	Review by Bank (Prior/Post)	Expected Tender Advertisement Publication Date	Comments (Expected Duration of Contract: Months)
AS-E06	Office equipment	0.10	Shopping	Post	5/2018	12
AS-E07	Institutional strengthening, training and investigation	0.13	Shopping	Post	5/2018	60
<b>3. Subtotal</b>						
<b>Fuxin Water Supply</b>						
<b>1. Civil Works</b>						
FX-C01	Water supply facilities reconstruction project in old residential district (A)	4.25	NCB	Post	6/2018	18
FX-C02	Water supply pipe network (A)	5.77	NCB	Post	6/2019	16
FX-C03	Water supply facilities reconstruction project in old residential district (B)	3.40	NCB	Post	3/2019	18
FX-C04	Reconstruction of Naodehai water plant and construction of secondary boosting pumping stations	1.23	NCB	Post	4/2019	18
FX-C05	Water supply pipe network (B)	3.26	NCB	Post	11/2019	10
FX-C06	Water supply pipe network reconstruction project (A)	2.89	Non Bank Finance		6/2020	10
FX-C07	Water supply pipe network reconstruction project (B)	3.37	Non Bank Finance		11/2020	18
FX-C08	Water supply pipe network reconstruction project (C)	0.95	NCB	Post	8/2021	8
<b>2. Goods and Non-consulting Services</b>		<b>0.00</b>				
FX-E01	Procurement of equipment materials for Water supply facilities in old residential district	0.89	NCB(goods)	Post	6/2018	18
FX-E02	Procurement of GPS system	1.42	ICB(IT)	Prior	7/2018	18

1	2	3	4	5	6	7
Ref. No.	Contract Name Description	Estimated Cost (USD x 10 <sup>6</sup> )	Procurement Method	Review by Bank (Prior/Post)	Expected Tender Advertisement Publication Date	Comments (Expected Duration of Contract: Months)
FX-E03	Procurement of water quality testing equipment	1.62	ICB(Goods)	Prior	9/2018	6
FX-E04	Supply and installation of equipments of SMART water	3.33	ICB(goods)	Prior	10/2018	10
FX-E05	Supply and installation of equipment for Naodehai water plant and secondary boosting pumping stations	1.68	ICB(Goods)	Prior	4/2019	10
FX-E06	Office equipment	0.10	Shopping	Post	5/2018	12
FX-E07	Institutional strengthening, training and investigation	0.13	Shopping	Post	5/2018	60
<b>3. Subtotal</b>						
<b>Fushun Water Supply</b>						
<b>1. Civil Works</b>						
FS-C01	Water distribution pipe network reconstruction project (A)	3.67	NCB	Post	7/2018	16
FS-C02	Water distribution pipe network reconstruction project (B)	2.80	NCB	Post	4/2019	16
FS-C03	Water distribution pipe network reconstruction project (C)	2.86	NCB	Post	4/2020	16
FS-C04	Water distribution pipe network reconstruction project (D)	2.91	NCB	Post	4/2021	16
FS-C05-1	Building pipeline reconstruction project in Dongzhou,Hetai and Henan District (A)	6.99	NCB	Post	7/2018	18
FS-C05-2	Building pipeline reconstruction project in Hebei and Fengzhe District (B)	6.61	NCB	Post		
FS-C06-1	Building pipeline reconstruction project in Hebei and Fengzhe District (A)	5.61	NCB	Post	4/2019	18
FS-C06-2	Building pipeline reconstruction project in	7.16	NCB	Post		

1	2	3	4	5	6	7
Ref. No.	Contract Name Description	Estimated Cost (USD x 10 <sup>6</sup> )	Procurement Method	Review by Bank (Prior/Post)	Expected Tender Advertisement Publication Date	Comments (Expected Duration of Contract: Months)
	Dongzhou,Hetai and Henan District (C)					
FS-C07-1	Building pipeline reconstruction project in Dongzhou,Hetai and Henan District (B)	7.95	Non Bank Finance		4/2020	18
FS-C07-2	Building pipeline reconstruction project in Hebei and Fengzhe District (C)	5.85	NCB	Post	4/2020	18
FS-C08-1	Building pipeline reconstruction project in Dongzhou,Hetai and Henan District (D)	6.60	Non Bank Finance		4/2021	18
FS-C08-2	Building pipeline reconstruction project in Hebei and Fengzhe District (D)	5.51	NCB	Post	4/2021	18
<b>2. Goods and Non-consulting Services</b>						
FS-E01	Supply and installation of equipment for secondary boosting pumping stations (A)	2.78	ICB(Goods)	Post	7/2018	18
FS-E02	Supply and installation of equipment for secondary boosting pumping stations (B)	3.02	Non Bank Finance		4/2020	18
FS-E03	Pipe network emergency repair equipment	2.13	ICB(Goods)	Post	7/2018	8
FS-E04	Supply and installation of equipments of SMART water (A)	1.27	NCB(goods)	Post	10/2018	18
FS-E05	Supply and installation of equipments of SMART water (B)	5.53	ICB(Goods)	Prior	10/2018	18
FS-E06	Supply and installation of equipments of SMART water (C)	1.16	NCB(goods)	Post	10/2018	12
FS-E07	Office equipment	0.10	Shopping	Post	10/2018	12
FS-E08	Institutional strengthening, training and investigation	0.13	Shopping	Post	5/2018	60
<b>3. Subtotal</b>						
<b>Gaizhou Water Supply</b>						
<b>1. Civil Works</b>						

1	2	3	4	5	6	7
Ref. No.	Contract Name Description	Estimated Cost (USD x 10 <sup>6</sup> )	Procurement Method	Review by Bank (Prior/Post)	Expected Tender Advertisement Publication Date	Comments (Expected Duration of Contract: Months)
GZ-C01	Pipeline and water meter works (zone A )	7.34	NCB	Post	7/2018	18
GZ-C02	Pipeline and water meter works (zone B )	5.11	NCB	Post	9/2018	18
GZ-C03	Pipeline and water meter works (zone C )	5.30	NCB	Post	1/2019	18
GZ-C04	Construction of main water supply pipeline	6.62	Non Bank Finance		5/2020	18
GZ-C05	Reconstruction of water plant	1.01	NCB	Post	11/2020	18
<b>2. Goods and Non-consulting Services</b>						
GZ-E01	Supply and installation of equipments of SMART water	3.15	ICB(Goods)	Post	7/2018	18
GZ-E02	Operation and maintenance equipment	1.31	NCB(goods)	Post	7/2018	18
GZ-E03	Office equipment	0.10	Shopping	Post	7/2018	12
GZ-E04	Institutional strengthening, training and investigation	0.13	Shopping	Post	7/2018	60
<b>3. Subtotal</b>						
<b>Shenyang Water Supply</b>						
<b>1. Civil Works</b>						
SY-C01	Reconstruction of building pipeline reconstruction and secondary boosting pumping stations	15.48	Non Bank Finance		7/2018	16
SY-C02	Reconstruction and construction of water distribution pipe network in Heping and Yuhong districts	2.98	NCB	Post	7/2018	18
SY-C03	Reconstruction and construction of water distribution pipe network in Sujiatun and Shenhe districts	6.90	NCB	Post	7/2018	15
SY-C04	Construction of water distribution pipe network in Huanggu district	6.25	NCB	Post	12/2018	12

1	2	3	4	5	6	7
Ref. No.	Contract Name Description	Estimated Cost (USD x 10 <sup>6</sup> )	Procurement Method	Review by Bank (Prior/Post)	Expected Tender Advertisement Publication Date	Comments (Expected Duration of Contract: Months)
SY-C05	Reconstruction and construction of water distribution pipe network in Huanggu and Tiexi districts	12.54	NCB	Post	2/2019	18
SY-C06	Reconstruction and construction of water distribution pipe network in huanggu districts	12.31	NCB	Post	12/2018	18
SY-C07	Reconstruction of water distribution pipe network in huanggu districts	12.39	NCB	Post	9/2018	18
SY-C08	Reconstruction of water distribution pipe network in Dadong, Shenhe, Huanggu and Heping districts	4.23	NCB	Post	9/2019	18
SY-C09	Reconstruction and construction of water distribution pipe network in Heping and Tiexi districts	3.57	NCB	Post	2/2020	18
<b>2. Goods and Non-consulting Services</b>						
SY-E01	Water quality testing equipment and leak detection equipment	1.40	ICB (Goods)	Post	7/2018	12
SY-E02	Water supply network repair machinery and equipment	1.58	ICB (Goods)	Post	7/2018	10
SY-E03	Online monitoring system (DCS) of Water plant and water source pump station	4.86	ICB (Goods)	Prior	7/2018	18
SY-E04	Online monitoring system of secondary boosting pump stations	6.87	ICB (Goods)	Prior	7/2018	18
SY-E05	Equipments of online monitoring system of secondary boosting pump stations and water-meter	8.41	ICB (Goods)	Prior	12/2019	18
SY-E06	Pipe network geographic information system	2.88	ICB(IT)	Post	7/2018	18
SY-E07	Platform of SMART water supply	1.59	ICB(IT)	Post	7/2018	18
SY-E08	Water supply network analysis platform	1.57	ICB(IT)	Post	12/2018	18

1	2	3	4	5	6	7
Ref. No.	Contract Name Description	Estimated Cost (USD x 10 <sup>6</sup> )	Procurement Method	Review by Bank (Prior/Post)	Expected Tender Advertisement Publication Date	Comments (Expected Duration of Contract: Months)
<b>SY-E09</b>	Office equipment	0.10	Shopping	Post	7/2018	12
<b>SY-E10</b>	Institutional strengthening, training and investigation	0.13	Shopping	Post	7/2018	60
<b>3. Subtotal</b>						
<b>Total for Works, Goods and Non-consulting services</b>						

### III. Selection of Consultants

1. **Prior Review Threshold:** Selection decisions subject to Prior Review by Bank as stated in Appendix 1 to the Guidelines Selection and Employment of Consultants:

Expenditure Category	Contract Value (US\$)	Procurement Method	Bank Prior Review
Consultants	≥300,000	QCBS/QBS/LCS/FBS	≥US\$2 million
	<300,000	CQS	
		Individual Consultant	≥US\$400,000

**Notes:** QCBS: Quality- and Cost-Based Selection  
 QBS: Quality-Based Selection  
 CQS: Selection Based on the Consultants' Qualifications  
 SSS: Single Source Selection  
 IC: Individual Consultant selection procedure  
 FBS: Fix Budget Selection  
 LCS: Least Cost Selection

2. **Short list comprising entirely of national consultants:** Short lists of consultants (firms) for services estimated to cost less than US\$500,000 equivalent per contract may be composed entirely of national consultants in accordance with the provisions of paragraph 2.7 of the Consultant Guidelines.

### **3. Consultancy Assignments with Selection Methods and Time Schedule**

1	2	3	4	5	6	7
Ref. No.	Description of Assignment	Estimated Cost (US\$ million)	Selection Method	Review by Bank (Prior / Post)	Expected REOI Publication Date	Comments (Expected Duration of Contract: Months)
	<b>Technical assistance</b>					
<b>FX-ZX01</b>	Construction drawings (detailed) design for Fuxin Project	0.32	QCBS	Post (Prior TOR)	5/2018	48
<b>FX-ZX02</b>	Engineering supervision for Civil Works for Fuxin Project	0.25	QCBS	Post (Prior TOR)	5/2018	60
<b>GZ-ZX01</b>	Construction drawings (detailed) design for Gaizhou Project	1.08	QCBS	Post (Prior TOR)	5/2018	48
<b>GZ-ZX02</b>	Engineering supervision for Civil Works for Gaizhou Project	0.50	FBS	Post (Prior TOR)	7/2018	60
<b>SY-ZX01</b>	Engineering supervision for Civil Works	1.80	FBS	Post (Prior TOR)	7/2018	60
<b>LN-ZX01</b>	Project management consultants service and IT contracts supervision	3.60	QCBS	Prior	5/2018	60
<b>LN-ZX02</b>	Research on NRW, energy saving, KPI,	0.40	QCBS	Post (Prior)	5/2018	60

	Institutional strengthening and benchmarking for Water Supply Companies			TOR)		
<b>LN-ZX03</b>	Provincial institutional strengthening, training and investigation	0.35	QCBS	Post	5/2018	60
<b>LN-ZX04</b>	Study on PPP Policy of Water Industry	0.20	CQS	Post	5/2018	18
<b>Subtotal of TA</b>						

**PROCUREMENT PLAN** China : China: Liaoning Safe and Sustainable Urban Water Supply Project

General Information	
Country:	China
Bank's Approval Date of the Original Procurement Plan:	2018-03-28
Revised Plan Date(s): (comma delimited, leave blank if not)	2019-05-10
Project ID:	P158713
GFN Date:	2018-03-09
Project Name:	China: Liaoning Safe and Sustainable Urban Water Supply Project
Loan / Credit No:	IBRD / 88370, /
Executing Agency(ies)	Liaoning Urban Construction and Renewal Project Office

WORKS																														
Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Actual Amount (US\$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents as Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion				
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
GZ-C01 / Gaizhou City Pipeline and water meter works (zone A )	IBRD / 88370		Post	Request for Bids	Open - National	Single Stage - One Envelope		0.00	Pending Implementation					2019-05-15		2019-05-17					2019-06-16			2019-06-23			2019-07-07		2020-12-28	

GOODS																													
Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Actual Amount (US\$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents as Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion			
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual

NON CONSULTING SERVICES																													
Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Actual Amount (US\$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents as Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion			
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual

CONSULTING FIRMS																													
Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Contract Type	Actual Amount (US\$)	Process Status	Terms of Reference		Expression of Interest Notice		Short List and Draft Request for Proposals		Request for Proposals as Issued		Opening of Technical Proposals / Minutes		Evaluation of Technical Proposal		Combined Evaluation Report and Draft Negotiated Contract		Signed Contract		Contract Completion				
									Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned
FX-ZX01 / Construction drawings (detailed) design for Fuxin City	IBRD / 88370		Post	Quality And Cost-Based Selection	Open - National		482,359.00	Signed	2018-03-29		2018-04-08		2018-05-13					2018-06-10		2018-06-25			2018-07-30			2018-08-27		2020-08-26	
GZ-ZX01 / Construction drawings (detailed) design for Gaizhou City	/		Post	Fixed Budget Selection	Open - National		0.00	Canceled	2018-03-29		2018-04-08		2018-05-13					2018-06-10		2018-06-25			2018-07-30			2018-08-27		2020-08-26	
LN-ZX01 / Project management consultants service and IT contracts supervision	IBRD / 88370		Prior	Quality And Cost-Based Selection	Open - International		3,543,309.00	Signed	2018-03-29		2018-04-08		2018-05-13					2018-06-10		2018-06-25			2018-07-30			2018-08-27		2023-08-26	
GZ-ZX01-2 / Construction drawings (detailed) design for Gaizhou Project	IBRD / 88370		Post	Quality And Cost-Based Selection	Open - National		812,289.52	Signed	2018-03-29		2018-04-08		2018-05-13					2018-06-10		2018-06-25			2018-07-30			2018-08-27		2020-08-26	

LN-ZX02 / Consulting Service of Non-revenue Water Reduction, Energy Conservation, and Performance Management for the Water Supply Companies (WSCs) of Shenyang, Anshan, Fushun, Fuxin and Gaizhou Cities	IHRD / 88370		Post	Quality And Cost-Based Selection	Open - International		0.00	Under Implementation	2018-12-25		2019-01-17		2019-02-21				2019-03-21		2019-04-05		2019-04-19		2019-05-10		2023-05-09
GZ-ZX02 / Engineering supervision for civil works in Gaizhou city	IHRD / 88370		Post	Quality And Cost-Based Selection	Open - National		0.00	Under Implementation	2019-04-10		2019-04-17		2019-05-15				2019-06-12		2019-06-19		2019-07-03		2019-07-24		2022-02-23

**INDIVIDUAL CONSULTANTS**