

**LIAONING INDUSTRY UPGRADATION, INFRASTRUCTURE AND ENVIRONMENTALLY SUSTAINABLE DEVELOPMENT PROJECT-  
Supervision for the Works of Rainwater and Sewage Diversion, Riverbed Dredging, Pipe Network Unclogging, Inspection and Testing, Trenchless Rehabilitation, and Pumping Station Renovation under the Nansha River Environmental Comprehensive Improvement Project in Anshan City**

**Invitation for Bids(IFB)**

**Date: Feb., 10, 2026**

**The Contract number: AS-CS02**

**1. Bidding Conditions**

The People's Republic of China (the Borrower) has received the loan from the New Development Bank(NDB) towards the cost of the project named Liaoning Industry Upgradation, Infrastructure and Environmentally Sustainable Development Project and the Borrower intends to apply a portion of the funds to eligible payments under the Contract of Supervision for the Works of Rainwater and Sewage Diversion, Riverbed Dredging, Pipe Network Unclogging, Inspection and Testing, Trenchless Rehabilitation, and Pumping Station Renovation under the Nansha River Environmental Comprehensive Improvement Project in Anshan City.

The source of funds is from the New Development Bank loan and the self-financing of, the Employer, Anshan Nanshahe Construction and Development Co., Ltd. The Project has satisfied all bidding requirements and is now open for public tendering..

**2. Project Introduction and the Scope of Bid**

**2.1 Project Introduction:**

The scope of construction works for this supervision bidding mainly includes the rainwater and sewage diversion renovation works, pumping station expansion and renovation works, ecological revetment and internal pollution control works, as well as the unclogging, inspection & testing and rehabilitation works for the existing municipal drainage pipelines of Nansha River in Anshan City - including pipeline desilting and unclogging, video inspection & testing and trenchless rehabilitation works. (AS-CS02)

**(1) Rainwater and Sewage Diversion Renovation Works:**

The total length of newly constructed pipelines is approximately 126 kilometers, including: about 28 kilometers of d300-d3000 rainwater pipelines and 98 kilometers of DN300-DN1000 sewage pipelines.

The Rainwater and Sewage Diversion Renovation Works are mainly carried out for the central urban area within the Nansha River basin, in particular for the pipeline networks within the service scope of three sewage treatment plants, namely Dongtai, Panjialu and Dagushan.

The central urban area of the Nansha River basin is divided into nine rainwater zoning areas, for which separate rainwater and sewage diversion renovation schemes are formulated respectively. The details of the newly constructed pipelines are shown in the following table.

Rainwater Zoning Areas	Rainwater Pipelines (Box Culverts)		Sewage Pipelines	
	Pipe Diameter (mm)	Length (m)	Pipe Diameter (mm)	Length (m)
Zoning Area 1	d300	69	DN400-DN1000	13200
Zoning Area 2	d300-d3000	3936	DN400-DN800	10910
Zoning Area 3	-	-	-	-
West of Zoning Area 4	d300-d2800	16827	DN400-DN1200	41189
East of Zoning Area 4	d300-d2000	6822	DN400-DN600	13814
Zoning Area 5	-	-	-	-
Zoning Area 6	d700	12	DN300-DN800	12905
Zoning Area 7	d300-d800	258	DN400-DN700	6250
Zoning Area 8	-	-	-	-
Zoning Area 9	-	-	-	-
Total		27924		98268

Rainwater pipelines shall adopt reinforced concrete pipes with rubber ring joints; cast-in-place reinforced concrete box culverts shall be used where the pipe diameter  $d > 3000$ . Sewage pipelines shall adopt ductile iron pipes, with the internal anti-corrosion layer being cement (aluminate) mortar lining, the external anti-corrosion layer being zinc spraying + high chlorinated polyethylene finish coating, and the joints being T-type socket and spigot joints.

## (2) Pumping Station Expansion and Renovation Works:

A total of 5 pumping stations are subject to expansion and renovation, including 1 pumping station for expansion and 4 for renovation. The Lingshan Pumping Station is to be expanded into a separate rainwater and sewage pumping station, with the rainwater handling capacity designed at  $16.5 \text{ m}^3/\text{s}$  for the long term and  $11.5 \text{ m}^3/\text{s}$  for the short term, and the sewage handling capacity at 190 L/s. The 4 pumping stations for renovation cover the Lingshanqiao Pumping Station, Shengliqiao Pumping Station,

Shuguang Road Pumping Station and Hongyang Road Pumping Station. The main renovation works include building decoration such as roof waterproofing and door/window replacement; renovation of courtyard walls and greening, plus additional lighting installation; replacement of process equipment including water pumps and bar screens; and installation of automatic control equipment such as video surveillance and electronic security fences.

#### **(a) Expansion of Lingshan Pumping Station**

The Lingshan Pumping Station is located to the south of Hongqi Street in the Lingshan Industrial Park, currently a combined rainwater and sewage pumping station with a handling capacity of 5.8 m<sup>3</sup>/s. It is to be expanded into a separate rainwater and sewage pumping station, serving the enclosed area bounded by the railway, Anshan-Liaoyang border, North Shengli Road and the planned Hengsheng Street, with a service area of approximately 222.5 hectares. After expansion, the rainwater handling capacity will reach 16.5 m<sup>3</sup>/s for the long term and 11.5 m<sup>3</sup>/s for the short term, and the sewage handling capacity will be 190 L/s.

In accordance with the site conditions, one rainwater pump house with a capacity of 6.5 m<sup>3</sup>/s will be first constructed at the northeast side of the courtyard. Upon the completion of drainage conditions for the new pump house, the existing pump house at the west side of the courtyard will be demolished, and one combined rainwater and sewage pump house will be newly built on the original site, designed with a long-term rainwater handling capacity of 10 m<sup>3</sup>/s and a sewage handling capacity of 190 L/s, equipped with corresponding process and automatic control equipment. New water inlet and outlet pipelines for rainwater and sewage will be constructed; new high and low voltage distribution rooms and a control room will be built with supporting electrical equipment configured; and the existing walls, gates and roads will be reconstructed.

#### **(b) Renovation of Lingshanqiao Pumping Station**

The Lingshanqiao Pumping Station is located at the northwest corner of the intersection of Jianshe Avenue and the railway, a rainwater pumping station mainly for the drainage of underpass rainwater, serving the road area within the hump section of the Lingshanqiao Underpass with a service area of approximately 3.0 hectares.

The original capacity of the pumping station will be retained for this renovation. The main works include replacement of process equipment such as water pumps, bar screens and electric hoists; renovation of the power supply system to dual power supply with a new transformer and distribution room constructed; building decoration including wall and roof painting, thermal insulation, waterproofing and window replacement; renovation of courtyard walls, greening and lighting; and installation of automatic control equipment such as video surveillance, electronic security fences, level gauges and PLC systems.

#### **(c) Renovation of Shengliqiao Pumping Station**

The Shengliqiao Pumping Station is located to the east of the Shengli Road Underpass on North Shengli Road in Lishan District, a rainwater pumping station serving the areas on both sides of Shengli Road to the north of the railway with a service area of approximately 2.3 hectares.

The original capacity of the pumping station will be retained for this renovation. The main works include replacement of process equipment such as water pumps, bar screens and electric hoists; installation of a new dual-power box-type substation and replacement of low-voltage distribution cabinets; renovation of the existing transformer and distribution room and duty room including wall painting, thermal insulation, roof waterproofing and door/window replacement; renovation of courtyard roads, greening, gates, walls and water supply and drainage systems; and installation of automatic control equipment such as video surveillance, electronic security fences, level gauges and PLC systems.

#### **(d) Renovation of Shuguang Road Pumping Station**

The Shuguang Road Pumping Station is located to the south of Zhoucheng Street on the east side of Shuguang Road (Yuanlin Avenue) in the Lingshan Industrial Park, a combined rainwater and sewage pumping station serving the enclosed area bounded by the railway, Hongyang Road, Jianshe Avenue and Shengli Road with a service area of approximately 173 hectares.

The original capacity of the pumping station will be retained for this renovation, and expansion will be carried out in the long term in accordance with the development and construction of the zone. The main works include building decoration such as wall painting, thermal insulation, roof waterproofing and door/window replacement; renovation of courtyard walls, roads and lighting; installation of automatic control equipment such as video surveillance, electronic security fences, level gauges and PLC systems; and additional installation of high-energy ion deodorization equipment.

#### **(e) Renovation of Hongyang Road Pumping Station**

The Hongyang Road Pumping Station is located on East Ring Road, a combined rainwater and sewage pumping station serving the enclosed area bounded by the railway, the west side of Hongyang Road, the north side of Yingshan Road and the east side of Qixuan Road with a service area of approximately 315 hectares.

The original capacity of the pumping station will be retained for this renovation, and expansion will be carried out in the long term in accordance with the development and construction of the zone. The main works include building decoration such as wall painting, thermal insulation and roof waterproofing; renovation of courtyard walls and lighting; installation of automatic control equipment such as video surveillance, electronic security fences, level gauges and PLC systems; and additional installation of high-energy ion deodorization equipment.

### **(3) Ecological Revetment and Internal Pollution Control Works:**

Ecological revetment renovation shall be carried out for the Qianshan Tributaries with a total renovation length of approximately 5.0 km; contaminated sludge and waste shall be cleared from the main channel of Nansha River (from No.7 Bridge to Chenjiatai Bridge) and its tributaries (Gushouyu River, Dagushan River and Panjialu River). The total dredging volume is about 293,700 cubic meters, and the total waste clearance area is approximately 950,000 square meters.

**(a) Ecological Revetment Works**

The bank slope regulation scope of the Qianshan Tributaries covers the 5 km river section from the main gate of Qianshan to Xiaobapanling Village. Regulation works shall be implemented for river toe scouring and ecological problems in accordance with on-site conditions. The bank slope protection shall adopt the form of gabion toe protection + turf slope protection. The river toes shall be protected by backfilling with pebbles from the river channel. The slope surfaces shall be leveled, and vegetation shall be restored by adopting local grass species and turf slope protection.

**(b) River Channel Dredging Works**

The river channel dredging scope covers the main channel of Nansha River (from No.7 Bridge to Chenjiatai Bridge) and its tributaries (Gushouyu River, Dagushan River and Panjialu River), with only contaminated sludge and waste in the river channels to be cleared.

Dry dredging by manual labor + excavators shall be adopted for the main channel of Nansha River. Sludge dewatering shall be realized by mechanical turning and natural air-drying in a sunning yard. The temporary sunning yard is located in Lingshan Coal Washery at the lower reaches of Nansha River, covering an area of approximately 100,000 square meters, with the layout of sludge sunning and dewatering areas, surplus water treatment areas, temporary soil stockpiles and other supporting works. The total dredged sediment volume is 293,700 cubic meters, and the remaining sediment volume after sunning and dewatering is about 125,800 cubic meters. Based on the sediment quality test results, the treated sediment can be used as planting soil, engineering soil, etc., and is planned to be used as the underlying medium soil for ecological restoration on both banks of Nansha River in this project. Surplus water generated during the drying process can be used for sprinkling and dust suppression at the construction site and sediment transportation roads according to water quality test results, or transported to the nearby municipal sewage pipe network by closed tank trucks nearby on the premise of meeting municipal sewage discharge standards.

The contaminated sludge in the tributaries is minimal, so no dredging shall be conducted for the tributaries in this project; only the waste in the tributary channels shall be cleared by manual labor + machinery and transported to the nearby waste station. The total waste clearance area is approximately 950,000 square meters.

Construction site:

Lishan District, Tiedong District, Qianshan Scenic Area, and the High-tech Zone of Anshan City.

**(4) Unclogging, Inspection and Rehabilitation Works for the Existing Municipal Drainage Pipelines of Nansha River in Anshan City, including three sub-works: pipeline desilting and unclogging, video inspection, and trenchless rehabilitation:**

**Desilting and Unclogging Works for Existing Municipal Drainage Pipelines**

Desilting and unclogging shall be conducted for the existing municipal drainage pipelines within the Nansha River basin to restore the flow capacity of the pipelines, so as to facilitate the smooth implementation of subsequent pipeline inspection. The existing drainage pipelines within the Nansha River basin are mainly concentrated in the area bounded by the Harbin-Dalian Railway, Heping Road, Yufo Mountain and Huiyuan Avenue to the west, Dagushan Village, East Jiefang Road and Qianshan Mountain to the south, Yanqian Mountain and Laser Industrial Park to the east, and the Anshan-Liaoyang border to the north, with a total length of approximately 498.95 km, including rainwater pipelines, sewage pipelines and combined pipelines. The total sludge volume is about 22,291.3 m<sup>3</sup>.

**Video Inspection Works for Existing Municipal Drainage Pipelines**

Video inspection shall be carried out for the existing municipal drainage pipelines within the Nansha River basin. QV inspection shall be adopted for pipelines with DN less than 300, and CCTV inspection for pipelines with DN 300 and above. In addition, the functional and structural defects of the inspected pipelines shall be evaluated and inspection reports issued, so as to provide a basis for subsequent maintenance and management as well as the digitalization of facilities. The total length of the inspected pipelines is approximately 498.95 km.

**Trenchless Rehabilitation Works for Existing Municipal Drainage Pipelines**

Trenchless rehabilitation shall be mainly implemented for the existing pipelines on Hebei Road (from East Qianshan Road to the south bank of Panjialu River) within the Nansha River basin. The existing pipelines on Hebei Road are the main sewage interception pipelines of Panjialu Sewage Treatment Plant, with a total length of approximately 2,747 m. Among them, about 2,388 m have been desilted, unclogged and video-inspected; the remaining 359 m of uninspected pipeline sections are intermittently distributed on Hebei Road (from East Qianshan Road to the south bank of Panjialu River), for which corresponding desilting, unclogging and inspection shall be conducted under this project, and rehabilitation shall be carried out according to the defects identified in the inspection results to restore the designed capacity of the pipelines.

**2.2 The Scope of Bid:**

Project Supervision for the Entire Construction Process within the Scope of Construction Drawings and the Engineering Quality Defect Liability Period after Completion

**2.3 The term of service:**

The term of supervision services is 60 months..

### **3. Bidder Eligibility**

#### **3.1 Qualification Requirements**

##### **3.1.1 Qualifications**

The bidders shall hold:

Comprehensive Qualification for Engineering Supervision or a Grade A Qualification Certificate for Engineering Supervision in the Municipal Public Works Specialty.

##### **3.1.2 Special experience:**

The bidder shall have served as the contractor and completed at least one construction supervision project for municipal works with a contract value of no less than 6.5 million RMB, covering one or more of the following categories: municipal roads, municipal pipelines (pipe galleries), pumping stations, pipeline rehabilitation, pipeline inspection, ecological environment governance, and river channel dredging (rehabilitation) governance in the past five years (from **February** 2021 to **February** 2026, based on the project completion time).

##### **3.1.3 Personnel:**

Key Personnel Requirements

1 Chief Supervision Engineer, 8 or more professional supervision personnel (including municipal and electromechanical disciplines), and 8 or more resident supervision personnel.

The Chief Supervision Engineer to be assigned by the bidder must hold a National Registered Supervision Engineer Certificate with the registered specialty in Municipal Public Works..

##### **3.1.4 Other Requirements**

Provide the resume of the Chief Supervision Engineer of the project and the information of other proposed supervision personnel to be stationed on site in the specified format. At the same time, it must be guaranteed that after winning the bid, the Chief Supervision Engineer of the project and the key supervision personnel on the construction site shall not be replaced without the consent of the construction unit.

Exercise the supervisory functions of "two managements, four controls and one coordination", and select professional and technical personnel who are serious in work, strong in sense of responsibility and have certain professional capabilities. Two Managements: Contract Management and Information Management. Four Controls: Control of project quality, investment, project progress and safe production. One Coordination: Coordination between Party A, Party B and other relevant parties.

According to the actual needs of the site, complete the temporary work assigned by the bidders regarding project quality, construction safety, project progress payment, on-

site civilized production, etc. And it must be guaranteed that under any circumstances, the supervision personnel shall stick to their posts and be available on call according to the needs of the bidders.

### **3.2 Nationality**

The Bidder and all parties forming a joint venture of the Bidder shall be from member countries of the New Development Bank (China, India, Brazil, Russia, South Africa, Bangladesh, Egypt, United Arab Emirates; <https://www.ndb.int/about-ndb/members/>), and shall be legally registered within their respective member country. This requirement also applies to any subcontractors, suppliers, or sub-consultants engaged in any part of this Contract (including related services). Domestic bidders in China shall provide a valid business license.

### **3.3 Financial Capacity**

#### **3.3.1 Historical Financial Performance:**

Submission of audited financial statements or if not required by the law of the bidder's country, other financial statements acceptable to the Employer, for the last 3 years (2022-2024) to demonstrate the current soundness of the bidder's financial position and its prospective long-term profitability. In case a Bidder submits unaudited financial statements, the Bidder must submit evidence that it is not required by law in the Bidder's country to prepare audited financial statements. The minimum requirement is that the bidder's net asset (calculated as total assets minus total liabilities) shall be positive for each of the past three years.

#### **3.3.2 Average Annual Turnover**

Minimum average annual turnover of CNY 4 million calculated as total certified payments received for contracts in progress or completed (in the audited financial statements), within the last 3 years (2022-2024).

#### **3.3.3 Financial Resources**

The bidder's financial resources (such as liquid assets, credit lines, and other financing sources, not excluding contract advances) must meet: (i) a cash flow requirement of not less than CNY 0.4 million equivalent; (ii) the total cash flow requirement for implementing this contract and other ongoing projects.

### **3.4 Credit Requirements**

3.4.1 For individuals or units listed by the judicial department as executors with breach of trust or other acts of breach of trust (including Legal Representative and Chief Supervision Engineer), their participation in the procurement activities of this project shall be restricted in accordance with the law. If the executor of the breach of trust participates in the bidding and procurement activities of this project, the bid evaluation committee shall cancel his/her bidding qualification or directly cancel the bid (any outstanding matters shall be explained by the bidder). The applicant shall provide a screenshot of the results of the

inquiry information on the website of "Credit China <https://www.creditchina.gov.cn/>" before the bid submission deadline.

### **3.5 Joint venture:**

For a Joint venture participating in bidding is not accepted.

### **3.6 Foreign bidders**

Foreign bidders are required to satisfy the equivalent conditions above.

## **4. Bid Registration**

All interested bidders are invited to register from **February 11, 2026 to March 16, 2026** (excluding statutory public holidays and national holidays), between 9:00 AM to 12:00 PM and 2:00 PM to 5:00 PM daily (Beijing Time), at Room 2518, Building B, Galaxy International Tower, No. 28 Beizhan Road, Shenhe District, Shenyang City, Liaoning Province.

## **5. Bid Document Acquisition**

All applicants who have registered through the above process are requested to collect the bidder documents free of charge at Room 2518, Building B, Galaxy International Tower, No. 28 Beizhan Road, Shenhe District, Shenyang City, Liaoning Province, from **February 11, 2026 to March 16, 2026**, between 9:00 AM and 12:00 PM, and 2:00 PM to 5:00 PM daily, Please present a letter of authorization from the legal representative to obtain the documents.

## **6. Bid Submission**

The deadline for submission of bidding documents (bidding deadline, the same below) is **March 17, 2026, 10:30 a.m.**, at the 402 bid opening room on the fourth floor of the Liaoning Provincial Public Resources Transaction Center (No. 109, Chongshan Middle Road, Huanggu District, Shenyang City, Liaoning Province). bidders may send representatives to attend the opening of bids.

The bidding documents which are delivered late or not delivered to the designated place are not accepted.

## **7. Publication Channels**

This Invitation for Bids is also posted on the website of New Development Bank (<http://www.ndb.int>), Liaoning Provincial Public Resources Transaction Network (<http://ggzy.ln.gov.cn/>), China Bidding and Tendering Public Service Platform (<http://www.cebpubservice.com/>), China Procurement and Tendering Network (<https://www.chinabidding.cn/>).

## **8. Contact Information**

Bidder: Anshan Nanshahe Construction and Development Co., Ltd

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Bidding agent: COC International construction consulting group Co,Ltd

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Gansu Province, P.R. China

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Contact Person: Wang Huiqi, Wang Ye, Liu Xin

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Bank of deposit: CCB Lanzhou City Chengguan Sub-branch

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