

**LIAONING INDUSTRY UPGRADATION, INFRASTRUCTURE AND
ENVIRONMENTALLY SUSTAINABLE DEVELOPMENT PROJECT-
Construction Supervision Services for the Ecological Restoration
Component of the Nansha River Comprehensive Environmental
Improvement Project in Anshan City**

Invitation for Bids(IFB)

Date: September 17 , 2026

Contract No.: AS-CS01

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 Construction Supervision Services for Ecological Restoration of the Nansha River Comprehensive Environmental Improvement Project in Anshan City.

The source of funds is from the New Development Bank loan. The Employer is 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 works for this supervision tender is the ecological restoration of the Nansha River within the area extending 500 m to 1,500 m on both sides of the embankment crest line, covering a total area of approximately 95.45 hectares, which comprises: the Cultural and Creative Ecological Buffer Zone of about 30.35 ha; the Folk Custom Ecological Buffer Zone of about 4.43 ha; the Yingshan Ecological Buffer Zone of about 18.28 ha; and the Waterfront Leisure Ecological Buffer Zone of about 42.39 ha. The scope of the sponge city works is consistent with that of the ecological restoration, including the installation of low-impact development (LID) facilities such as sunken green spaces, conveyance-type grass swales, and rain gardens, as well as soil improvement and phytoremediation, among others. Among them:

(1) Waterfront Leisure Park Ecological Buffer Zone

The Waterfront Leisure Ecological Buffer Zone is situated at the northernmost end of the project, covering a total area of approximately 42.39 ha. This section will be renovated to a certain extent based on existing conditions, mainly involving replacement of pavements and similar improvements. A systematic plan will be developed from the perspective of the overall shoreline, addressing transportation, functions, spatial arrangement, vegetation, ecology, lighting, and facilities. The vehicular and non-motorised traffic circulation around the site will be reorganised, and additional

waterfront leisure steps, viewing platforms, and other features will be provided along the shoreline to enrich the spatial experience of the waterfront. The ultimate aim is to create a high-quality, vibrant waterfront that offers convenient access, smooth internal and external connections, diverse and integrated functions, varied spatial rhythms, and a rich cultural identity.

In the section from Shengli North Road to Jianguo Avenue within the zone, given the relatively good existing vegetation conditions, the well-growing plants are retained. Based on traffic circulation patterns, characteristic plants are supplemented and planted at major entrances and nodes in accordance with the distinctive features of the sub-zone. Through rational configuration and scientific maintenance of the plantings, the Waterfront Leisure Ecological Buffer Zone aims to create a plant landscape that is simple yet profound, rugged yet restrained, and splendid and colorful, ultimately transforming the zone into a leisure ecological green space imbued with natural charm.

A large number of native plant species that require low maintenance and have high survival rates are extensively used to reduce maintenance costs.

The shrub planting shall primarily consist of low-maintenance species that do not require frequent pruning, so as to reduce the extent of formal shrub areas and minimise maintenance costs. The ground cover shall be predominantly composed of seed-sown or perennial herbaceous low-maintenance types.

The street trees are primarily Golden Ash (*Acer negundo* 'Aurea'), Chinese Ash (*Fraxinus chinensis*), and Sugar Maple (*Acer saccharum*).

The upper tree layer primarily features a combination of color-leaf plants, flowering plants, and evergreens, including *Acer mono* (mono maple), *Acer truncatum* (truncate maple), *Salix babylonica* (weeping willow), *Catalpa bungei* (Chinese catalpa), *Pinus tabulaeformis* (Chinese pine), *Abies* spp. (fir), *Prunus cerasifera* 'Atropurpurea' (purple-leaf plum), *Prunus serrulata* (cherry blossom), *Malus* 'Royalty' (Royalty crabapple), *Malus* 'Radiant' (Radiant crabapple), *Acer pseudosieboldianum* (Korean maple), *Prunus persica* (flowering peach, commonly known as Jingtao peach), and *Syringa oblata* (lilac), among others.

The understory vegetation mainly consists of panicle hydrangea, false spirea, Korean boxwood, Gold Mound spirea, littleleaf lilac, *Sambucus racemosa* 'Plumosa Aurea', modern rose, Siberian iris, plantain lily, coreopsis (tickseed), Shasta daisy, black-eyed Susan, and selected hardy grass species, among others. Large-area seed sowing and low-maintenance ground cover designs are adopted, which not only reduce maintenance costs but also enhance the natural and rustic charm of the landscape.

The aquatic plants are primarily cattail (*Typha* spp.), purple loosestrife (*Lythrum salicaria*), and zebra rush (*Scirpus validus* var. *zebrinus*, also known as variegated bulrush).

The planting design for this zone is rationally integrated with the existing conditions. Extensive waterfront vegetation breaks the monotony of the open water, providing

year-round colour accents to the flowing water and lending a natural appeal to the aquatic landscape. The carefully selected plants along the shoreline render the water space either expansive or intimate, enhancing its intrinsic natural beauty.

(2) Yingshan Ecological Buffer Zone

The Yingshan Ecological Buffer Zone covers a total land area of 18.28 ha. The project scope within the red line encompasses ancillary service buildings, planting design, waterfront overlook decks, a skate park, children's play equipment, fitness apparatus, water supply and drainage systems, and lighting installations. The sports facilities included in this zone, namely ball courts, children's play areas, fitness zones, jogging trails, and the associated earthworks and plant relocation, form part of the Yingshan Sports Park development.

Special activity zone: The extreme skateboarding facility is made of custom-formulated concrete. Activity spaces are arranged with varying depths to suit users at different stages of learning, and a range of skateboarding ramps, rails, and other elements are installed throughout the area.

The Yingshan Ecological Buffer Zone is conceived as a simple, grand, and pleasant landscape, with a primary emphasis on trees that display distinct seasonal features, complemented by evergreen pines and cypresses as well as colorful flowering shrubs. Large meadow areas are laid out in accordance with the terrain. In addition to the designated activity zones, the green spaces also provide enjoyable opportunities for jogging, kite flying, and other recreational pursuits.

Existing plants within the site shall be preserved to the greatest possible extent, and the design shall integrate new plantings with the retained vegetation. This approach not only reduces construction costs but also makes this park section more ecologically sound. In terms of tree species selection, native species are given priority, supplemented by a limited number of new and improved varieties, so as to achieve a balance between ecological naturalness and aesthetic appeal. The street trees selected are Chinese ash (*Fraxinus chinensis*), golden box-elder (*Acer negundo* 'Aurea'), and sugar maple (*Acer saccharum*). Additional tree species include mono maple (*Acer mono*), weeping willow (*Salix babylonica*), Chinese pine (*Pinus tabuliformis*), and fir (*Abies* spp.), among others.

The flowering shrubs include cherry blossom (*Prunus serrulata*), purple-leaf plum (*Prunus cerasifera* 'Atropurpurea'), flowering peach (*Prunus persica*, commonly known as Jingtao peach), lilac (*Syringa oblata*), Royalty crabapple (*Malus* 'Royalty'), and Radiant crabapple (*Malus* 'Radiant'). The ground covers include panicked hydrangea (*Hydrangea paniculata*), red-twig dogwood (*Cornus alba*), false spirea (*Sorbaria sorbifolia*), Korean boxwood (*Buxus sinica* var. *insularis*), privet (*Ligustrum obtusifolium*), littleleaf lilac (*Syringa microphylla*), spirea (*Spiraea* spp.), golden elderberry (*Sambucus racemosa* 'Plumosa Aurea'), Siberian iris (*Iris sibirica*), coreopsis (*Coreopsis* spp.), and lawn/turf.

(3) Cultural and Creative Ecological Buffer Zone and Folk Custom Ecological Buffer Zone

(a) Folk Custom Ecological Buffer Zone

The Folk Custom Ecological Buffer Zone covers a total area of 4.43 ha. This section incorporates the site's elevation differences, featuring waterfront boardwalks, activity lawns, and viewing platforms, so as to enrich the functional diversity of the site and revive its inherent ecological memory.

The Folk Custom Ecological Buffer Zone project is primarily implemented on the east-bank green space of the Nansha River, stretching from Tiaojuntai Bridge in the south to the Yueling Road section, with a total area of about 4.43 ha. The scope of works comprises the renovation and upgrading of existing platforms, greening/planting, addition of landscape overlook decks, garden trails, site drainage and water supply, electrical installations, cultural landscape elements, and ecological sponge-city infrastructure, among other enhancements.

The Cultural and Creative Ecological Zone is positioned as an ecological and natural landscape. It features predominantly large-scale plantings, supplemented by delicate planting vignettes around localized activity areas. The plant palette emphasizes rich seasonal variation and vibrant colors. The design adopts an open and bold spatial approach, complemented by the planting layout, to create a grand, clean, and uncluttered plant space.

The planting design is integrated with the site, combining evergreen and deciduous species. Native tree species are prioritized, with large specimen trees used as accents and a limited number of new superior varieties incorporated. The objective is to create a landscape that offers visual appeal in all seasons, draws inspiration from nature, and achieves both ecological integrity and aesthetic quality.

(b) Cultural and Creative Park Ecological Buffer Zone

The Cultural and Creative Ecological Buffer Zone, with a total area of 30.35 ha, is defined by technological innovation. At its centre lies an Innovation Island, encircled by Qianshan Bay, which is a crucial node along the Nansha River waterfront development corridor and the entrance to Qianshan Scenic Area. It is a vital showcase for Anshan's integration of landscape with city and industry with urban functions. By leveraging innovation-driven industrial growth and fostering poetic waterside living, the Nansha River-Qianshan Bay precinct will emerge as a pioneering area where science-based services, riparian life, and natural ecosystems advance in harmony—a paradigm for high-quality urban development in the new era.

The planting design is guided by the principles of respecting existing conditions, restoring ecology to activate habitats, linking patches, and creating landscape character. It integrates the cultural identity of Anshan and the functional requirements of specific nodal areas, and accordingly adopts diverse plant community assemblages. Through the comprehensive utilization of plants' ecological functions, seasonal phenology, and

cultural symbolism, the design aims to achieve a planting landscape that is both ecologically sound and naturally aesthetic.

The Cultural and Creative Ecological Buffer Zone Project is primarily implemented on the east-bank green space of the Nansha River, extending from the section south of Yueling Road to Qihao Bridge, with a total area of about 30.35 ha. The scope of works encompasses the renovation and upgrading of existing and new sites, greening/planting, addition of landscape cantilevered viewing decks, garden trails, site drainage and water supply, electrical installations, cultural landscape elements, rest pavilions, and ecological sponge-city infrastructure, among other improvements.

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 36 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, acting as construction supervision entity, shall have completed, within the past 5 years (from September 2021 to September 2026, based on the project completion date), at least 2 municipal engineering construction supervision projects, each with a contract value of no less than RMB 1.3 million, covering one or more of the following scopes: ecological restoration along riverbanks, ecological buffer zones, landscape greening, or sponge city construction works.

3.1.3 Personnel:

Key Personnel Requirements

1 Chief Supervision Engineer, 2 or more professional supervision personnel (municipal engineering and related fields), and 2 or more on-site inspection supervisors.

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 Employer 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 Employer.

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 (2023-2025) 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 2 million calculated as total certified payments received for contracts in progress or completed(in the audited financial statements), within the last 3 years(2023-2025).

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 0.2 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 **September 18, 2026 to November 2, 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 **September 18, 2026 to November 2, 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 **November 3, 2026, 10:00 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

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Email Address: 48766810@qq.com

Bank of Account: Business Department of Anshan Bank Co.

Account No.: 7200 0000 0626 7769

Bidding agent: COC International Tendering Co., Ltd.

Address: Room 2518, Tower B, Yinhe International Mansion, No.28 North Station Road, Shenhe District, Shenyang City, Liaoning Province, China

Postal Code: 110000

Contact Person: Wang Ye

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Email Address: yym48916@163.com, wanghuiqi0425@163.com

Bank of deposit: CCB Lanzhou City Chengguan Sub-branch

Account No.: 6200 1360 0010 5000 2553