

Invitation for Bids (IFB)

Section 1 of the Project Title: Construction of storage tank pile foundation in Phase II of Beijing Gas Tianjin Nangang LNG Emergency Reserve Project

Section 2 of the Project Title: Construction of storage tank pile foundation in Phase III of Beijing Gas Tianjin Nangang LNG Emergency Reserve Project

Invitation for Bids No.: 12192020074027

1. Bidding readiness

The Chinese government plans to use a loan from the New Development Bank to pay for Construction of storage tank pile foundation in Phase II and III of Beijing Gas Tianjin Nangang LNG Emergency Reserve Project. Bidding is open to eligible Bidders from member countries of New Development Bank.

The Beijing Gas Tianjin Nangang LNG Emergency Reserve Project has been approved by the National Development and Reform Commission of the People's Republic of China as FGNY [2020] No. 36. The tenderer is Beijing Gas Group Co., Ltd. and the construction fund is RMB 20,128,640,000 (The financial budget part is RMB 5,778,354,000 and the enterprise self-raised part is 14,350,286,000), which have been confirmed. The construction scale is 5mt/year. All bidding conditions for the project are ready. Entrusted by Beijing Gas Group Co., Ltd., Sinochem Commerce Co., Ltd. is now inviting competitive bidding for the construction of the storage tank pile foundation in Phase II and III of the project to select the preferred contractor.

2. Project profile and bidding scope

2.1 Project profile

Beijing Gas Tianjin Nangang LNG Emergency Reserve Project mainly includes LNG terminal, wharf and export pipeline. Located in Nangang Industrial Zone, Binhai New Area, Tianjin, the LNG terminal project mainly constructed 10 LNG storage tanks (2 sets of 200,000m³ 9% Ni steel full containment tanks and 8

sets of 220,000m³ membrane tanks) and relevant supporting process facilities, such as unloading, gasification, loading, etc., and reserves the construction land for two 200,000m³ storage tanks; the wharf project mainly includes a newly-built unloading berth for LNG ships with reliable berthing capacity of 1-266,000m³ (taking into account the berthing demand of 5,000m³ LNG ships), and the designed unloading capacity of 5mt/year; the export pipeline project mainly includes a newly-built export pipeline with a design capacity of 4.5 billion m³/year, starting from the export metering area of the project terminal, passing through Tianjin and Hebei provinces, and ending Chengnan terminal station in Beijing, with the total length of 224km, the design pressure of 10 MPa, and the design pipe diameter of D1219/1016 mm, where 5 distribution stations and 10 intercepting valve stations are built along the line. According to the *Measures for the Approval of the Capacity of LNG Terminal* (SY/T7434-2018), the maximum capacity of the terminal is 6.18mt/year.

2.2 Construction site: Nangang Industrial Zone of Tianjin

2.3 Section division and bidding scope:

Bid Section I:

Bid section name: Construction of storage tank pile foundation in Phase II of Beijing Gas Tianjin Nangang LNG Emergency Reserve Project

Bidding scope: Pile foundation works of 4 LNG storage tanks in Phase II, including pile foundation construction of four 220,000m³ membrane tanks, dumping of slag and soil, site leveling, etc.

Construction scope: Same as the bidding scope; the construction content must meet the requirements of design drawings, standards and specifications, national laws and regulations, and meet the requirements of project safety and various use functions, cooperate with the designer, etc. to complete the whole process of construction and management and defect repair until the completion of project handover and acceptance, and meet the standards according to the requirements and provisions of the construction period.

(1) Main quantities

1,604 engineering piles(401 × 4) by means of the one-time pile formation method of high pile cap with diameter of 1,400mm, pile length of 75-76m (excluding pile head), made of C40, P8, anti-corrosion and antirust concrete, HRB400 reinforcement, etc.

(2) Detailed scope of work

1) Set temporary survey control points according to the survey control datum point handed over by the tenderee, and conduct repeated survey regularly; survey and position the pile point according to the design requirements.

2) Complete the construction of all engineering piles within the scope of construction drawings. Including but not limited to material procurement, positioning and setting out, drilling with rotary drilling rig, concrete pouring, reinforcement cage fabrication and installation, earthwork excavation, surplus soil transportation, defective pile filling, repair, steel bar sampling, delivery for inspection, concrete test block retention, measures taken during construction, site environment maintenance and other temporary facilities required for site construction, slag and soil cleaning and transportation to the place designated by the tenderee (transport distance not exceeding 2 kilometers).

3) After the completion of the engineering piles, clean up the mud generated during the construction in the operation area, and level the site to the original floor elevation of 7.8m in the tank area and compact it.

4) The mud in the mud pit shall be cleaned, transported out, backfilled and compacted to the original elevation.

Please refer to all contents contained in Section 5 Bill of Quantities, Section 6 Construction Drawings and Section 7 Technical Standards and Requirements for details. The total investment is RMB 324,675,615.

Bid Section II:

Bid section name: Construction of storage tank pile foundation in Phase III of Beijing Gas Tianjin Nangang LNG Emergency Reserve Project

Bidding scope: Two storage tank projects in Phase III, including pile foundation construction of two 220,000m³ membrane tanks, dumping and transportation of slag and soil, site leveling, etc.

Construction scope: Same as the bidding scope; the construction content must meet the requirements of design drawings, standards and specifications, national laws and regulations, and meet the requirements of project safety and various use functions, cooperate with the designer, etc. to complete the whole process of construction and management and defect repair until the completion of project handover and acceptance, and meet the standards according to the requirements and provisions of the construction period.

(1) Main quantities

802 engineering piles (401 × 2) adopting the one-time pile formation method of high pile cap with diameter of 1,400mm, pile length of 75-76m (excluding pile head), made of C40, P8, anti-corrosion and antirust concrete, HRB400 reinforcement, etc.

(2) Detailed scope of work

1) Set temporary survey control points according to the survey control datum point handed over by the tenderer, and conduct repeated survey regularly; survey and position the pile point according to the design requirements.

2) Complete the construction of all engineering piles within the scope of construction drawings. Including but not limited to material procurement, positioning and setting out, drilling with rotary drilling rig, concrete pouring, reinforcement cage fabrication and installation, earthwork excavation, surplus soil transportation, defective pile filling, repair, steel bar sampling, delivery for inspection, concrete test block retention, measures taken during delivery for inspection and construction, site environment maintenance and other temporary facilities required for site construction, slag and soil cleaning and transportation to the place designated by the tenderer (transport distance not exceeding 2 kilometers).

3) After the completion of the engineering piles, clean up the mud generated during the construction in the operation area, and level the site to the original floor elevation of 7.8m in the tank area and compact it.

4) The mud in the mud pit shall be cleaned, transported out, backfilled and compacted to the original elevation.

Please refer to all contents contained in Section 5 Bill of Quantities, Section 6 Construction Drawings and Section 7 Technical Standards and Requirements for details. The total investment is RMB 162,991,569.

2.4 Scheduling requirements:

Bid section I: Construction of storage tank pile foundation in Phase II

Planned construction period: 85 calendar days

Planned commencement date: August 30, 2020

Planned completion date: November 22, 2020

Bid section II: Construction of storage tank pile foundation in Phase III

Planned construction period: 85 calendar days

Planned commencement date: August 30, 2020

Planned completion date: November 22, 2020

2.5 Project quality requirements:

According to the national acceptance standard, the pile rate of Class I pile foundation shall be 96% and above, and Class III and IV piles shall not be allowed. Strive for national demonstration projects and high quality projects.

3. Qualification requirements for the bidder (The qualification requirements for bidders and related personnel (including all kinds of license certificates and Chinese social security) are only applicable to bidders which registered in the People's Republic of China and their employees. Performance requirements for bidders and related personnel apply to eligible bidders and their staff registered in all BRICS NDB member countries) :

3.1 Joint venture bid is not accepted for the Project;

The bidder shall be legally registered in any new development bank member country and is required to have:

Qualification: The bidder must have the first grade qualification of professional contracting of foundation engineering.

Qualification:

1. The duplicate of the enterprise business license is within the validity period;

2. The duplicate of qualification grade certificate is within the validity period;

3. The work safety license is within the validity period;

4. The project shall be equipped with personnel:

(1) One project manager with the first class registered architect certificate of architectural engineering issued by the construction administrative department and the registered architect certificate with bidding qualification;

(2) The project manager shall have the following qualifications at the same time: He/she shall have the first class registered architect certificate of architectural engineering issued by the construction administrative department and the registered architect certificate with bidding qualification; he/she shall have the valid *Work Safety Assessment Certificate* (Version B) and practice in the bidder's company, and shall not act as the project manager of other construction projects under construction; he/she shall have similar performance of Project Manager in pile foundation engineering construction.

(3) One deputy project manager and construction manager shall have the first class registered architect certificate of architectural engineering issued by the construction administrative department and the registered architect certificate with bidding qualification; he/she shall have similar performance of Project Manager (or deputy project manager or construction manager) in pile foundation engineering construction.

(4) One director in charge of HSE shall have national registered safety engineer certificate; he/she shall have similar performance of HSE Manager (or HSE director) in pile foundation engineering construction.

Note: Similar pile foundation engineering refers to the pile foundation engineering of revolving digging cast-in-place bored pile with the diameter no less than 1.2m and the length no less than 70m, which adopts the method of one-time pile formation of high pile cap for land blowing and reclamation works under geological conditions.

Copies of key pages and signature pages reflecting the above achievements shall be provided and stamped with official seal; if the relevant characteristics of similar pile foundation projects are not reflected in the contract, the supporting materials issued by the Owner shall be provided and stamped with the official seal of the Owner; if the employment status of the project personnel to be assigned is not reflected in the contract, a copy of the dispatch plan approved by the Owner or a copy of attendance/certification documents signed by the Owner shall be provided and stamped with the official seal of the Owner; the certification items in the above-mentioned supporting materials shall correspond to the data provided, and clearly reflect the key information such as contract signing time, performance type, relevant characteristics of similar pile foundation engineering, employment status, etc., otherwise, the tenderer has the right to reject it.

③The above personnel shall have a letter of appointment issued by the bidder.

④The above personnel shall provide the proof materials of social security fund payment for three consecutive months (with the official seal of the bidder) within six months before the deadline for submission of bid. If they are compiled by his own, it will be deemed as invalid. If the national and local human resources and social security departments or other relevant administrative departments have special policies on the payment of social security funds (such as exemption from payment), copies of relevant policy documents and supporting documents that the bidder meets the relevant policy documents must be provided.

5. Other qualification requirements: The bidder shall have the construction performance of similar pile foundation projects undertaken as the construction contractor or construction subcontractor from January 1, 2015 (subject to the time of signing the contract) to the deadline for submission of bid;

Note: Similar pile foundation engineering refers to the pile foundation engineering of revolving digging cast-in-place bored pile with the diameter no less than 1.2m and the length no less than 70m, which adopts the method of one-time pile formation of high pile cap for land blowing and reclamation works under geological conditions.

Copies of key pages and signature pages reflecting the above achievements shall be provided and stamped with official seal; if the relevant characteristics of similar pile foundation projects are not reflected in the contract, the supporting materials issued by the Owner shall be provided and stamped with the official seal of the Owner; the certification items in the above-mentioned supporting materials shall correspond to the data provided, and clearly reflect the key information such as contract signing time, performance type, relevant characteristics of similar pile foundation engineering, employment status, etc., otherwise, the tenderer has the right to reject it.

4 Bid confirmation method

4.1 The bidder with the qualification requirements for the bidder shall log in with "identity authentication" before the deadline when obtaining the bidding documents, and can be confirmed through Tianjin construction project bid information system: (<http://www.tjconstruct.cn>).

4.2 All bidders can participate in submitting the bid of the above two bid sections. See the bidding documents for details.

5 Deadline for announcement release and acquisition of bidding documents (Beijing time)

5.1 The bidding announcement of this bidding project is released from August 4, 2020 to August 24, 2020.

5.2 Deadline for obtaining the bidding documents of the bidding project: 17:00, August 24, 2020.

6 Acquisition of bidding documents (prequalification documents)

6.1 After confirmation, all bidders who hold the duplicate of business license (copy with official seal), photocopy of enterprise qualification certificate (with official seal) and corporate introduction letter shall log on to the website of Sinochem Commerce Electronic Bidding and Tendering Platform (e.sinochemitc.com) and purchase bidding documents through online payment from 09:00 a.m. to 11:30 a.m. and from 13:00 to 17:00 (Beijing time) between August 4, 2020 and August 24, 2020 (except for statutory public holidays and public holidays, in case of any change, it will be notified separately) (Note: all potential bidders who purchase bidding documents must confirm their bids according to Clause 4.1 of this announcement, otherwise all consequences shall be borne by themselves.).

6.2 Please refer to relevant requirements of the document for details of the document price and drawing deposit.

7. Submission of Bids

7.1 Submitted to: the address designated by the tenderer.

7.2 Deadline for submission of documents: 9:30, August 25, 2020.

7.3 Submission of electronic documents: CD.

Tenderer: Beijing Gas Group Co., Ltd. (official seal)

Legal representative: Li Yalan (seal)

Office address: No. 22, Xizhimen South Street, Xicheng District, Beijing

P.C.: 100035

Contact person: Li Lidong

Tel: 022-58681970

Fax: 022-58681970

Tendering agent: Sinochem Commerce Co., Ltd. (official seal)

Legal representative: Cui Yan (seal)

Office address: 20th floor, Sinochem tower, No. A2 Fuxingmenwai Dajie,
Beijing

P.C: 100045

Contact person: Li Xiaoyang, Ma Rui, Huang Fan, Gong Junping

Tel: 010-59369364

Fax: 010-59369136

Date: August 4, 2020