

A batch of purchase of Marine science sensors
International competitive bidding documents

(Volume 2)

Bidding No. : 1069-254Z20250009

Project name: Marine science sensors for a batch of procurement

Bidding unit: Tongji University

Bidding agency: Shanghai Zhongshi Construction Consulting Co., LTD

In February, 2025

catalogue

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Chapter I Invitation to Bid

(Bidding No.: 1069-254Z20250009)

Shanghai Zhongshi Construction Consulting Co., Ltd. Shanghai Zhongshi Construction Consulting Co., Ltd. is entrusted by the tenderer to conduct international open competitive bidding for the following products and services, which will be announced on China International Tendering Website on February 7, 2025. This tender adopts the traditional bidding method, and the qualified bidders are now invited to participate in the bidding.

1. Bidding conditions

1.1 Project Overview:

This project is a public procurement of a batch of Marine science sensors.

This tender requires the seller to provide mature products, rich experience in design, production, installation and debugging, user training, as well as good after-sales technical support. The sensors to be purchased this time are mainly used for long-term underwater observation of the national submarine science observation network of national major science and technology facilities. Marine observation sensors are used to monitor the relevant chemical and biological indicators in seawater.

The procurement content of this project is divided into eight packages, and the bidder can bid for any of the following packages, but only one of the packages (the project will be evaluated according to the ascending order of the packages, and has been recommended as the first winning candidate in the previous package, the subsequent package will not be recommended). The specific content is as follows

Package 1: Laser granularity meter;

Package 2: acoustic Doppler point flow velocity meter, acoustic Doppler single point sea current meter;

Package 3: acoustic Doppler flow velocity analyzer;

Package 4: temperature and salt deep sensor 1 (integrated DO), temperature and salt deep sensor 2 (integrated DO);

Package 5: nitrate sensor;

Package 6: deepwater pH sensor;

Package 7: water carbon dioxide sensor;

Package 8: three-wavelength fluorometer, dual-mode three-wavelength fluorometer.

1.2 Implementation of funds in place or sources of funds: it has been implemented

1.3 Description of the project has met the bidding conditions: ready

2. Bidding Content:

2.1 Bidding Project No. : 1069-254Z20250009

2.2 Name of the bidding project: Batch of procurement of Marine science sensors

2.3 Project implementation location: Shanghai, China

2.4 List of bidding products (main equipment):

Package 1: Laser granularity meter;

name s of thin gs	Product name	Quantity / unit	Brief technical specifications	remarks
1.	Laser particl e size meter	Six sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 2,245,200 yuan, project No. : Z20250038

Package 2: acoustic Doppler point flow velocity meter, acoustic Doppler single point sea current meter;

name s of thin gs	Product name	Quantit y / unit	Brief technical specifications	remarks
1.	Acoustic Doppler point-ty pe flow velocity meter	Two sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 294,100, project No. : Z20250038
2.	Acoustic Doppler single-p oint ocean current meter	Ten sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 950,000 yuan, project No. : Z20250038

Package 3: acoustic Doppler flow velocity analyzer;

name s of thin gs	Product name	Quantity / unit	Brief technical specifications	remarks
1.	Acoustic Doppler flow velocity profile instrume nt	Four sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 1.123 million yuan, project No. : Z20250038

Package 4: temperature and salt deep sensor 1 (integrated DO), temperature and salt deep sensor 2 (integrated DO);

name s of thin gs	Product name	Quantity / unit	Brief technical specifications	remarks
1.	Warm-sal t Deep Sensor 1 (integra ted DO)	Ten sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 1.264 million yuan, project No. : Z20250038
2.	Warm-sal t-Deep Sensor 2 (integra ted DO)	Two sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 450,000 yuan, project No. : Z20250038

Package 5: nitrate sensor;

name s of thin gs	Product name	Quantity / unit	Brief technical specifications	remarks
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1.	Nitrate sensor	The 15 sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 4.455 million yuan, project No. : Z20250038
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Package 6: deepwater pH sensor;

name s of thin gs	Product name	Quantity / unit	Brief technical specifications	remarks
1.	Deep-water pH sensor	The 13 sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 5.096 million yuan, project No. : Z20250038

Package 7: water carbon dioxide sensor;

name s of thin gs	Product name	Quantity / unit	Brief technical specifications	remarks
1.	Water body carbon dioxide sensor	Six sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 1,061,400 yuan, project No. : Z20250038

Package 8: three-wavelength fluorometer, dual-mode three-wavelength fluorometer.

name s of thin gs	Product name	Quantity / unit	Brief technical specifications	remarks
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1.	Three-wave length fluorometer	Five sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 900,000 yuan, project No. : Z20250038
2.	Dual-mode three-wave length spectrofluorometer	Two sets	See Chapter 8 Goods Demand List and technical specifications for details	Internal number of the agency: Proposal 2025-0009, budget amount: RMB 384,000 yuan, project No. : Z20250038

3. Bidders qualification requirements

3.1 The bidder participating in the project shall meet the following requirements:

- 1) The bidder shall be the manufacturer of the equipment in the package or hold the sole authorization of the equipment manufacturer / Chinese mainland region (the manufacturers letter of authorization form in the bidding documents shall also apply to the authorization letter issued by the agent responsible for the sales business in China in the formal sales system of the major equipment manufacturer. When the letter of authorization is issued by such an agent, it shall also provide the agent certificate for the sale of the products issued by the manufacturer to the agent still within the valid period);
- 2) The bidder shall have the project experience of the contracted equipment, and be able to provide the delivery proof materials of the actual cases delivered in the past three years (from 2021 to present) (provide the contract copy, and the contract shall be subject to the signing time);
- 3) The bidder in China shall have independent legal person status and shall not be included in the website of "Credit China" within three years before the deadline for submission of bid documents (www.creditchina.gov.cn), China Government Procurement network (www.ccgp.gov.cn) record list of persons subject to enforcement for trust-breaking, major tax illegal trust-breaking subjects or serious illegal trust-breaking behaviors in government procurement;
- 4) Overseas bidders shall provide valid enterprise / business registration certification materials.

3.2 Whether the consortium bid is accepted: not accepted

3.3 Whether the bidding documents can participate in the bidding: no

4. Acquisition of bidding documents

4.1 Date of purchase of bidding documents: February 8, 2025

4.2 End date of bidding documents: February 14, 2025

4.3 Place of purchase of bidding documents / electronic download method: Suppliers follow the wechat official account of "China World Construction Consulting", click "Get Documents" in the lower right corner of the main interface, collect and download the purchase documents according to the prompts, or go to the site for purchase.

4.4 Price of bidding documents: ¥500 / \$100 per package

4.5 Other instructions: From February 8, 2025 to February 14, 2025: 9:00 ~ 11:00 a. m. : 13:00 ~ 16:00 (except holidays).

Note: Suppliers who have not purchased the bidding documents shall not participate in the bidding. If the potential bidders purchase the tender documents after the end of the sale period of the tender documents, the tenderer may re-tender according to law.

4.6 The following materials are required for registration:

- 1) Supplier qualification documents (such as copies of business license, legal person registration certificate or enterprise registration certificate);
- 2) Power of attorney and the identity certificate of the authorized person (photocopy);

Note: The copies of the above submitted materials must be stamped with the official seal. If there is any omission, the tendering agency will refuse to accept the registration. The materials provided during the registration shall be consistent with the qualification documents in the bidding documents. If there is any difference, the bidding documents shall prevail. The qualification of the bidder or not will be decided by the bid assessment committee.

5. Submission of tender documents

Deadline for bidding (time for bid opening) 09:30:00 am on March 3, 2025 (Beijing time)

Place of delivery of tender documents: Shanghai Zhongshi Construction Consulting Co., LTD. (Conference room, 3rd floor, Zhongshi Office Building, No. 35, Lane 528, Caoyang Road, Putuo District, Shanghai, see the specific conference room on the display on the first floor of the day)

Place of bid opening: Shanghai Zhongshi Construction Consulting Co., Ltd. (Conference room, 3rd floor, Zhongshi Office Building, No. 35, Lane 528, Caoyang Road, Putuo District, Shanghai, see the specific conference room on the display on the first floor of the day)

6. The bidder shall complete the registration and information verification on the required network (<https://www.ebnew.com>) or the electronic trading platform for mechanical and electrical products (<https://www.chinabidding.com>) before bidding. The results of bid evaluation will be published in the required network and China International Tendering network.

7. Contact information

Tenderee: Tongji University

Address: No.1239, Siping Road, Yangpu District, Shanghai

Contact person: Mr.Xu

Tel.: 021-20926959-1046

Bidding agency: Shanghai Zhongshi Construction Consulting Co., Ltd

Address: No.35, Lane 528, Caoyang Road, Putuo District, Shanghai

Contact person: Chen Jie, Chen Yuanyuan

Registration / invoice / deposit matters tel: 021-62445201 (Mr.Zhou)

Other matters consultation telephone number: 021-62340833, 021-62340828

Fax: 021-62446678

Email address: chenjie@cwcc.net.cn, chenyuanyuan@cwcc.net.cn

8. Way of remittance

Bank of Deposit (RMB): Yuyuan Road Sub-branch of Bank of Shanghai

Opening Bank of tendering Agency (US dollar): Changning Sub-branch of Bank of Shanghai

BANK OF SHANGHAI

Account number (RMB): 31641800003023916

Account number (USD): 3164631405000272107

Others: SWIFT CODE: BOSHCHSHXXX

Company address: No. 35, Lane 528, Caoyang Road, Putuo District, Shanghai (NO.35, LANE 528, CAOYANG ROAD)

9. Other matters: /

Chapter II Instructions to Bidders and Bid Data Sheet

The specific information about the goods to be purchased in this table is a specific supplement and modification to the instructions to Bidders in Chapter I, Volume I. In case of any contradiction, this data sheet shall prevail.

regulation number	content
explain	
1.1	Tenderee: Tongji University Address: No.1239, Siping Road, Yangpu District, Shanghai Contact person: Mr.Xu Tel.: 021-20926959-1046
1.2	Bidding agency: Shanghai Zhongshi Construction Consulting Co., Ltd Address: No.35, Lane 528, Caoyang Road, Putuo District, Shanghai Contact person: Chen Jie, Chen Yuanyuan Registration / invoice / deposit matters tel: 021-62445201 (Mr.Zhou) Other matters consultation telephone number: 021-62340833, 021-62340828 Fax: 021-62446678 Email address: chenjie@cwcc.net.cn, chenyuanyuan@cwcc.net.cn
1.3	<p>Project Overview: This project is a public procurement of a batch of Marine science sensors.</p> <p>This tender requires the seller to provide mature products, rich experience in design, production, installation and debugging, user training, as well as good after-sales technical support. The sensors to be purchased this time are mainly used for long-term underwater observation of the national submarine science observation network of national major science and technology facilities. Marine observation sensors are used to monitor the relevant chemical and biological indicators in seawater.</p> <p>Nature of funds:, financial funds</p> <p>This tender is a project subject to tender according to law. Where not specified in the bidding documents, the operation shall be conducted in accordance with the relevant laws and regulations of the Peoples Republic of China and the Implementation Measures for International Bidding and Bidding for Mechanical and Electrical Products (Trial) (Order No.1 of the</p>

	Ministry of Commerce of the Peoples Republic of China, 2014).
2.2 1)	Restrictions of qualified source countries: all legal persons or other organizations from the Peoples Republic of China or countries or regions with normal trade with the Peoples Republic of China can bid.
bidding documents	
6.1	Deadline for submission of tender document clarification requirements: 09:30:00 am on February 20, 2025 (Beijing time)
Preparation of the tender documents	
8.	Bid language: Chinese or Chinese and English (in case of any inconsistency between the two languages, Chinese shall prevail, and all foreign language documents shall be provided with Chinese translation). The bid evaluation report of this tender is made in Chinese.
*10.3	The project is only allowed to provide one bid plan, otherwise, its bid will be rejected.
11.2	If the quotation omission is not allowed, the bid will be rejected.
Tender offer and currency	
*11.4	Selective offers or offers with additional conditions are not accepted. A selective offer or an offer with additional conditions will result in bid rejection.
11.5	Bidding price limit: Total budget: RMB 18,222,700 yuan; milestone budgeting: Package 1: Laser granularity meter, RMB 2,245,200 yuan; Package 2: Acoustic Doppler point flow velocity meter, RMB 294,100, Acoustic Doppler single point sea current meter, RMB 950,000; Package 3: Acoustic Doppler flow velocity profile instrument, RMB 1.123 million yuan; Package 4: Temperature and salt deep sensor 1 (integrated DO), RMB 1.264 million yuan, temperature and salt deep sensor 2 (integrated DO), RMB 450,000 yuan; Package 5: nitrate sensor, RMB 4.455 million yuan; Package 6: deepwater pH sensor, RMB 5.096 million yuan; Package 7: Water carbon dioxide sensor, RMB 1,061,400 yuan; Package 8: three-wavelength fluorometer, RMB 900,000, dual-mode

	<p>three-wavelength fluorometer, RMB 384,000.</p> <p>Item number: Z20250038.</p> <p>Note: If the bidders quotation exceeds any bid price limit, the bid documents will be rejected.</p> <p>If the actual settlement of RMB exceeds the procurement budget due to the exchange rate fluctuations in the final settlement, the excess part shall be borne by the bidder.</p> <p>The tenderer has determined the foreign trade agent service provider to handle the import duty exemption and import procedures for him. If the imported equipment under the project needs to go through the import duty exemption and related import procedures, it shall be handled by the foreign trade agency service provider designated by the tenderee, otherwise, all the responsibilities and consequences arising therefrom shall be borne by the winning bidder himself. The specific charging standard of the foreign trade agency fee of the equipment under the project shall be implemented according to the foreign trade agency rate agreed in the Foreign Trade Agency Agreement signed by the tenderer and the foreign trade agency service provider designated by the tenderer, and the foreign trade agency fee shall be paid by the tenderer.</p> <p>This project bidding price for this project to the school of all costs, including payment, import the product of foreign trade agency fees, bank fees, customs clearance, import license fee, originating in specific countries (regions) of specific products by the Chinese government implementation of tariffs (if any), and other costs in the process of import. If the total cost settled by Party A after the completion of the project execution exceeds the project limit, the seller shall bear the excess part according to the provisions of the bidding / negotiation results.</p>
11.6.1	<p>Goods supplied from the Peoples Republic of China:</p> <p>1) Goods manufactured in the territory of the customs</p> <p>① * Factory price (including the host and standard accessories and spare parts price during the warranty period) / EXW</p> <p>② Provide the expenses of the transportation, insurance and accompanying delivery of the goods to the final destination; please quote separately and include them in the total bid price;</p>

	<p>③ Other accompanying service costs: including special tool fee, training fee, technical service fee and other accompanying service fees related to the execution of this Contract.</p> <p>2) Goods already imported before the deadline of bidding</p> <p>① * Warehouse delivery price (including the host and standard accessories and spare parts price during the warranty period)</p> <p>② Provide the expenses of the transportation, insurance and accompanying delivery of the goods to the final destination; please quote separately and include them in the total bid price;</p> <p>③ Other accompanying service costs: including special tool fee, training fee, technical service fee and other accompanying service fee related to the execution of this Contract. (Unless otherwise stated, "territory" mentioned in this bidding document shall be understood as "territory of the Peoples Republic of China"; "territory" shall be understood as "territory of the Peoples Republic of China")</p>
*11.6.2	<p>Goods supplied from outside the Peoples Republic of China:</p> <p>1) * Location designated by CIP users (including host and standard accessories and spare parts price during the warranty period)</p> <p>2) Other accompanying service fees: including special tool fee, training fee, technical service fee and other accompanying service fee related to the execution of this Contract.</p> <p>The quotation shall exclude the import link tax (except for the following cases)</p> <p>The bidding documents shall provide the detailed configuration list of the submitted products</p> <p>(For those that meet the requirements of additional tariffs on products stipulated by the Tariff Commission of the State Council, the taxes and fees generated by customs declaration shall be borne by the winning bidder and included in the total bid price.)</p>
11.9	<p>Nature of the bid offer: if the bidder wins the bid, the approved bid price is fixed during the execution of the contract and shall not be changed for any reason.</p>
12.1	<p>Bid currency (goods and services provided from the PRC): RMB, and the bidder shall be from the Peoples Republic of China.</p>

12.2	Bid currency (goods and services provided from outside the PRC): US dollars or other international currency, and the bidder shall be from outside the Peoples Republic of China.
Preparation and submission of the tender documents	
*13.1	Consortium bidding is not accepted for this project.
13.3	<p>Qualification requirements and supporting documents: Bidders participating in this project shall meet the following requirements</p> <ol style="list-style-type: none"> 1) The bidder shall be the manufacturer of the equipment in the package or the general agent of the equipment manufacturer / Chinese mainland region (the format of the manufacturers authorization letter in the bidding documents also applies to the authorization letter issued by the agent responsible for the sales business in China in the formal sales system of the major equipment manufacturer. When the letter of authorization is issued by such agent, it shall also provide the agent certificate of the manufacturer within the valid period); 2) The bidder shall have the project experience of the contracted equipment, and be able to provide the delivery proof materials of the actual cases delivered in the past three years (from 2021 to present) (provide the copy of the contract, and the contract shall be subject to the signing time); 3) The bidder in China shall have independent legal person status and shall not be included in the website of "Credit China" within three years before the deadline for submission of bid documents (www.creditchina.gov.cn), China Government Procurement network (www.ccgp.gov.cn) record list of persons subject to enforcement for trust-breaking, major tax illegal trust-breaking subjects or serious illegal trust-breaking behaviors in government procurement; 4) Overseas bidders shall provide valid enterprise / business registration certification materials.
14.3	<p>List of special tools, parts and spare parts:</p> <p>Special tools required for the normal use and maintenance of the goods</p>

	<p>and spare parts required during the warranty period after passing the performance inspection and acceptance, and after they are officially put into use. The relevant expenses shall be filled in the columns of "Special tools" and "spare parts" in the "Sub-item quotation table of supply category" respectively, and included in the total bid price.</p> <p>1) List of spare parts and special tools necessary for normal and continuous use from the tenderee to the end of the warranty period;</p> <p>2) The bidder shall provide the technical support materials in the bidding documents for the important technical clauses or technical parameters of the added asterisk ("*"). The technical support materials shall be subject to the printed materials publicly released by the manufacturer of the bidding goods or the testing report issued by the testing institution or other forms permitted in the bidding data sheet of the bidding documents. Those that do not meet the above requirements will be regarded as invalid technical support materials.</p> <p>Other forms of technical support materials: the latest data printout published on the manufacturers website.</p>
*15.1	<p>This tender requires the bidder to submit the tender security, the currency of the tender security is RMB or freely convertible in that of the following standard (based on the purchase price of the corresponding foreign currency published on the 14th (14) days before the deadline of tender)</p> <p>Amount of Bid Security:</p> <p>Package 1: Laser granularity meter: RMB forty thousand yuan only;</p> <p>Package 2: Acoustic Doppler point flow velocity meter, acoustic Doppler single point sea flow meter: RMB 20,000 yuan only;</p> <p>Package 3: Acoustic Doppler flow velocity profile: RMB 20,000 only;</p> <p>Package 4: temperature and salt deep sensor 1 (integrated DO), temperature and salt deep sensor 2 (integrated DO): RMB 20,000 only;</p> <p>Package 5: nitrate sensor: RMB forty thousand yuan only;</p> <p>Package 6: deepwater pH sensor: RMB 50 thousand yuan only;</p> <p>Package 7: Water carbon dioxide sensor: RMB 20,000 only;</p> <p>Package 8: three wavelength fluorometer, double mode three wavelength fluorometer: RMB 20,000 only.</p> <p>Deadline for submission of the deposit: the same as the deadline for</p>

	<p>bidding, subject to the actual receipt of the deposit.</p> <p>Place of submission: Zhongshi Office Building, No.35, Lane 528, Caoyang Road, Putuo District, Shanghai</p> <p>Submission method: bank guarantee (the format of bank guarantee for bid security must be consistent with the format provided in the annex of the bidding document, and the validity period of the bid bond shall not be shorter than the validity period of the bid. There shall not be any deviation, otherwise make veto processing), transfer, remittance, check or other means accepted by the agency.</p> <p>Bid security remittance account number:</p> <p>Account name: Shanghai Zhongshi Construction Consulting Co., Ltd. (special account)</p> <p>Bank of Deposit (RMB): Yuyuan Road Sub-branch of Bank of Shanghai</p> <p>Account No. : 31641803001602577</p> <p>Bank of tendering agency (US dollar): Changning Sub-branch of Bank of Shanghai</p> <p>SWIFT CODE: BSHCNSHXXX</p> <p>Account number (USD): 3164631405000272107</p> <p>Address: No.35, Lane 528, Caoyang Road, Putuo District, Shanghai</p> <p>1. The above account name must be filled in completely, including the back (special account), in which the word "account" of the account is "towel" next to the word. Wrong pos and missing words will lead to the unsuccessful remittance and the failure to pay the deposit in time.</p> <p>2. The internal project number and package number of the agency must be noted. Example: Proposal 2025-0009, package no. : package +, bid security.</p> <p>3. The bidder shall not use personal account or account of non-bidder to submit bid security in cash.</p> <p>Note: The relevant fees (such as commission fees) that may be incurred during the submission and return of the bid security shall be borne by the bidder.</p>
16.1	<p>validity of bids:</p> <p>The tender shall remain valid within 180 days from the deadline for the submission of the tender documents.</p>
17.1	<p>Number of copies of bidding documents: 1 original, 4 copies, and 1</p>

	<p>electronic document.</p> <p>The bidder shall provide one copy of the electronic document of the whole contents of the bidding documents, which shall be consistent with the paper bidding documents (including: the manufacturers authorization letter, itemized quotation table and quotation list documents of the project shall be separate scanned copies, and the technical and commercial deviation table shall be in Excel format). The optical disc shall be sealed individually or together with the tender documents.</p> <p>General documents or forms in tender electronic documents shall be in Word or Excel format; drawing documents shall be in AutoCAD format; and image documents shall be in JPEG or TIF format.</p> <p>This project is divided into multiple packages, each of which is an independent package. Qualified suppliers can bid for any package or multiple packages of the project, but shall not separate one package, and each supplier can only have one of the packages. The bidding documents of each package shall be independently bound into a book, but the contents of one package shall not be responded separately, otherwise it shall be treated as invalid bid.</p>
*17.2	* Each page of the tender documents shall be signed by the principal or initials of the organization or its authorized representative.
18.2 1)	<p>Tender Submission to:</p> <p>Shanghai Zhongshi Construction Consulting Co., Ltd. (Conference room, 3rd floor, Zhongshi Office Building, No.35, Lane 528, Caoyang Road, Putuo District, Shanghai, see the specific conference room on the display on the first floor of the day)</p> <p>If the tender documents are submitted by registered mail or express delivery, the following information shall be clearly marked on the outer envelope of the tender documents:</p> <p>(1) Postal code: 200063</p> <p>(2) Address: Zhongshi Office Building, No.35, Lane 528, Caoyang Road, Putuo District, Shanghai, China</p> <p>(3) Recipient: Contact person specified in Article 1.2 of this data sheet</p> <p>If the bidding documents are submitted by registered mail or express delivery, the submission time shall be subject to the receipt time of</p>

	the recipient. If the bidder does not send authorized representatives to attend the bid opening ceremony, it shall be deemed to default to the bid opening result and has no objection to the whole bid opening process.
18.2 2)	Title and serial number of the tender invitation: Name of the bidding project: a batch of procurement of Marine science sensor Bidding No. : 1069-254Z20250009 Note: "It shall not be unsealed until 09:30:00 am (Beijing time) on March 3, 2025"
*19.1	Deadline for bidding: 09:30:00 am on March 3, 2025 (Beijing time)
open sealed tenders	
22.1	Date of bid opening: the same as the deadline for bidding Venue: Shanghai Zhongshi Construction Consulting Co., Ltd. (Conference room, 3rd floor, Zhongshi Office Building, No.35, Lane 528, Caoyang Road, Putuo District, Shanghai, see the specific conference room on the display on the first floor of the day)
evaluation of bid	
23.1	The bid evaluation method of this tender: the lowest bid price evaluation method
24.5.2	In the process of technical evaluation, the bid will be rejected. 1) Does not meet the requirements of the important clauses (parameters) of the asterisk ("") in the technical specifications of the bidding documents, or the important clauses (parameters) of the asterisk ("*") are not supported by the technical data that meet the requirements of the bidding documents; 2) General technical terms exceed 10% of the maximum range of allowable deviation or exceed the maximum number of allowable deviation by 3 items.
25.	The RMB is the bid evaluation currency of this tender. In order to facilitate bid evaluation and comparison, if there are multiple currencies in the tender offer, the tender currency shall convert the bid evaluation currency specified in the tender data sheet issued at the first time on the date of the bid opening, so as to calculate the evaluation price.
26.4	For the quantitative method, adjust the selected bid evaluation factors

	of 1,2,3,4 and 5 according to the clause 26.3 of the ITB.
26.4.1	<p>Inland transportation, insurance and other accompanying services of the goods to the designated place after customs entry:</p> <p>The project site of this contract is the Lingang base of Tongji University. The Bidder shall provide:</p> <p>(1) Estimated size and transport weight of each packing box;</p> <p>(2) EXW (factory delivery) price (for supply in China) and CIP Shanghai Airport (Shanghai Port) price (for overseas supply);</p> <p>(3) The format of Chapter IV of the bidding document IV-3 The provisions of "Bid item quotation format" shall state "freight and insurance premium to the final destination".</p>
*26.4.2	<p>Delivery time: see Chapter 4 Goods demand list and technical specifications for details.</p> <p>Delivery place: Lingang Base, Tongji University.</p> <p>The equipment shall be accepted within 3 months after the arrival of the goods, and delivered for use after the qualification. If the Seller fails to complete the qualified delivery as agreed in the contract, the Seller shall pay a penalty equal to 1 % of the total contract price to the buyer for each day of delay, and the Seller shall bear the losses caused by the delay.</p> <p>Selected scheme: Not applicable</p> <p>Percentage adjusted (%): /</p>
*26.4.3	Terms of payment: No deviation is allowed and any deviation will result in bid rejection.
*26.4.4	Cost of parts and spare parts: the omission is not allowed, any omission will result in the rejection of the bid.
26.4.5	<p>Spare parts supply and after-sales service facilities in China Customs territory:</p> <p>The Bidder shall have maintenance service facilities and parts inventory in China. If not, the bidder shall put forward the corresponding after-sales service plan and cost, which shall be included in the bid price in the bid evaluation. Otherwise, the evaluation price will rise by 1%.</p>
*26.4.6	Estimated operation and maintenance costs of the bid equipment: not applicable.
*26.4.7	Equipment performance and productivity: selected scheme: 1) The terms,

	<p>parameters, indicators or requirements of asterisk ("*"); (hereinafter referred to as "technical requirements") in the technical specifications of the bidding documents are the main technical requirements, and the terms of asterisk ("*"); in the commercial requirements of the bidding documents are the main commercial requirements. If the goods or services provided by the Bidder, or the relevant conditions promised by the Bidder do not meet such major technical requirements or major commercial requirements, the bid for the corresponding package will be rejected. All the requirements without an asterisk ("*"); in the technical specifications of the bidding documents are general technical requirements. If the goods or services provided by the bidder do not meet such requirements, each bid evaluation price will increase by one percent (1%) on the basis of the approved bid price of the corresponding equipment. If the goods, services and the relevant conditions promised by the bidder do not meet such general technical requirements or general commercial requirements, the total amount reaches more than 3 items (including 3 items, any of the lowest level numbered or marked terms in this bidding document shall be counted as one item, the same below), the corresponding bid will be rejected.</p>
*26.4.8	<p>Other additional bid evaluation factors and criteria:</p> <p>In addition to this data sheet article 10.3, 26.4.1~26.4.7 and this data sheet "applicable to the tender of additional changes" part will cause the bid documents rejected the judgment conditions and criteria, in the relevant laws, regulations, rules and the first chapter in the tender documents will cause the bid documents rejected other criteria and criteria summary, described as follows:</p> <p>(1) Main business requirements</p> <p>The bidder must make a substantial response to the main commercial requirements listed in this paragraph in its bid documents. If the bid assessment committee finds that the bidder, the bid goods manufacturer or the bid documents have any of the following conditions, (including each member of the bid consortium), its bid will be rejected:</p> <p>(A) the bidder or its manufacturer has an interest with the tenderer which may affect the fairness of the tender;</p> <p>(B) The bidder participates in the preliminary consultation of the project</p>

	<p>or in the preparation of the bidding documents;</p> <p>(C) the person in charge of different bidder units is the same person or there is a holding or management relationship;</p> <p>(d) The bidder commits illegal acts such as bidding collusion, fraud or bribery;</p> <p>(E) the bid price is higher than the maximum bid price set in the tender documents (when the tender documents stipulate the calculation method of the maximum bid limit or the maximum bid limit);</p> <p>(F) unqualified status of the bidder (including is not a normal trading country from the Peoples Republic of China; the bidder or manufacturer has any association with the tenderer, the tendering agency and relevant consulting agencies; a legal person or other organization that is not legally independent and financially and legally operated);</p> <p>(g) Failure to fill in and submit the "Tender" according to the format IV-1 of Chapter IV of the Bidding Document;</p> <p>(H) Failing to fill in and submit the "List of Bid Opening Format" and various sub-item quotation forms in accordance with the formats IV-2 and IV-3 of the bidding documents;</p> <p>(I) failing to fill in and submit various deviation forms according to format IV-5 and IV-6 of the bidding documents;</p> <p>(j) The bid validity period is insufficient;</p> <p>(K) The bidder fails to submit the bid security, the amount of the bid security is insufficient, the currency of the bid security does not meet the requirements, the failure to submit the original bid security, the validity of the bid security is insufficient, the form of the bid security or the issuance of the bid security does not meet the provisions of Chapter IV Form IV-7;</p> <p>(L) The bidding documents without the signature of the person in charge of the unit, or the signatory without the person in charge of the unit (see the format of the authorization letter of Chapter IV of the bidding document);</p> <p>(m) The bidding documents are not signed as required (including page by page small sign);</p> <p>(N) The qualification of the bidder or the manufacturer or the submitted qualification documents do not meet the requirements of the bidding</p>
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documents.

The qualification documents include:

- (I) Qualification statement (see Chapter IV of the Bidding Document);
- (II) Manufacturers qualification statement (see Chapter IV of the tender Document format IV-9-2);
- (iii) the qualification statement of the trading company (as an agent) (see Chapter IV format IV-9-3, and the manufacturer does not need to fill in and submit the qualification statement when bidding directly);
- (Iv) Authorization letter issued by the manufacturer (format see Chapter IV Form IV-9-4, the manufacturer does not need to complete and submit the authorization letter, the trading company (as an agent) or the integrator shall submit the authorization letter issued by the relevant equipment manufacturer according to the list of goods requirements and technical specifications of the bidding documents); (v) Certificate (format see Chapter IV Form IV-9-5 of the bidding document);
- (Vi) Bank credit certificate (the date of issuance by the bank shall be within three months before the date of bid opening, and see Annex 6-2 for the reference format);
- (Viii) The "Credit China" website not designated by the Ministry of Finance before the bidding deadline (www.creditchina.gov.cn) listed in the website screenshots of persons subject to enforcement for trust-breaking, major tax illegal trust-breaking subjects, and "China Government Procurement Network" (www.ccgp.gov.cn) Screenshot of the website record list of serious illegal behaviors in government procurement;
- (And vii) Written statement of the supplier (see Form IV-10 in Chapter IV of the bidding document).
- (O) Bidding beyond the business scope;
- (P) Failing to complete the valid registration and pass the information verification on the bidding website (website is: <http://www.chinabidding.com>) before the bidding deadline;
- (q) The promised quality guarantee period does not meet the requirements of the bidding documents;
- (r) Price adjustment requirements are unless as permitted in Article 11.5 in the tender documents;
- (S) The bidder making a joint bid fails to submit the joint bid agreement,

	<p>or does not specify in this agreement that the work and responsibilities of the sponsor of the consortium, the sponsor and the parties to the consortium or the members of the consortium will bear joint and several liability (only applicable to the tender project accepting the consortium bid);</p> <p>(t) the promised arbitration institution, rules or places are inconsistent with Article 32.2 of the General Conditions of the Bidding Documents;</p> <p>(u) the applicable law of the commitment is inconsistent with Article 34 of the General Conditions of the Contract of the Bidding Documents;</p> <p>(v) The bidder shall not accept the correction made by the bid assessment committee;</p> <p>(w) If the currency of the tender offer does not conform to the provisions of the tender documents or the quotation method adopted, the bid evaluation committee will be unable to calculate the bid evaluation price according to the established rules;</p> <p>(X) The price increase of the bid evaluation due to the missing items of the quotation exceeds the maximum allowable proportion;</p> <p>(Y) The bidder fails to purchase the bidding documents of the project from the tenderer or the tendering agency;</p> <p>(z) Other circumstances clearly specified by the relevant laws, regulations or rules that will result in the rejection of the tender documents.</p> <p>(2) Compilation requirements of the technical tender documents</p> <p>For the main technical requirements of adding asterisk ("*") in the technical specifications, the bidder must make clear and specific responsive instructions (including possible positive and negative deviations) in his bid documents, and provide the corresponding technical support materials, otherwise his bid will be rejected. The above technical support materials are subject to the certification certificate issued by the authority (such as through the 3C certification certificate) or the testing report issued by the third party testing agency or the printed data publicly issued by the bidding goods manufacturer. If the certification certificate issued by the authority or the testing report issued by the third party testing agency is inconsistent with the bidding goods manufacturer, the certification</p>
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	<p>certificate issued by the authority or the testing report issued by the third party testing agency shall prevail. For non-standard and non-general equipment, the bidder may also provide the contract technical specifications and the final performance inspection report (signed by the user representative) as technical support materials. The above technical support data can only be used to confirm that the bidder claims to meet the actual situation, and can not be used to confirm the contrary.</p> <p>If the bid evaluation committee finds any of the following conditions in the technical documents, the bid will be rejected:</p> <p>(A) The bidding documents do not meet the main technical requirements (if sometimes) of the asterisk ("*") in the technical specifications of the bidding documents, or the main technical requirements of the asterisk ("*") are not supported by the technical data that meet the requirements of the bidding documents;</p> <p>(B) the maximum number of items of the general technical requirements in the technical specifications of the tender documents that exceed the permitted deviation;</p> <p>(C) The response in the technical specifications of the bidding documents is inconsistent with the facts or the bidding is false;</p> <p>(d) The bidder copies or copies the relevant parts of the technical specifications of the bidding documents as part of the bidding documents;</p> <p>(C) Other circumstances that can be specified in the technical specifications of the tender documents as non-substantive response.</p>
26.5	<p>Number of winning candidates for each package: 1 unit / package.</p> <p>The candidate with the lowest bid evaluation price is the first bidder for each package.</p>
27	Comprehensive evaluation method: not applicable
award a contract	
31.1	<p>Method of determining the winning bidder: the tenderer will determine the first ranked winning candidate as the winning bidder. Ranked the first winning candidate to give up the bid, due to force majeure cannot perform the contract, not according to the requirements of the tender documents submit performance bond, or verify the illegal behavior of the winning results, does not meet the conditions for the winning, the tenderer will</p>

	according to the winning candidates proposed by the bid evaluation committee list in order to determine the other winning candidate for the winning bidder, can also be to tender.
36	<p>The winning bidder of each package of this project shall pay the service fee to the bidding agency in a lump sum within 5 working days after receiving the bid-winning notice. The amount of the service fee of each package is as follows:</p> <p>1. Take the total amount determined in the winning notice of each package as the calculation base of charging;</p> <p>2. The winning service fee of each package shall be calculated and charged gradually according to the following rates:</p> <p>RMB 1 million: 1.5%; 1-5 million: 1.1%; 5-10 million: 0.8%; 10-50 million: 0.5%.</p> <p>3. The amount shall be charged by 33%. If the calculation is less than RMB 8,000, it shall be paid at RMB 8,000 per package.</p>
Modify and supplement to Chapter IV, Format of Bid Documents	
formIV-5-1 Technical Specification Response / Deviation Table [Important clause for asterisk ("*")]	Rewrite, attached
formIV-5-2 Technical Specification Response / Deviation Table [except for the important clauses of the asterisk ("*")]	Rewrite, attached
formIV-6-1 Business Term Response / Deviation Table [Important clause for asterisk ("*")]	Rewrite, attached
formIV-6-2 Business terms Response / Deviation table [except for the important clause marked with an asterisk ("*")]	Rewrite, attached
Form IV-10 Supplier written statement	New, attached
Format IV-11 Certificate of bid security payment and refund	New, attached
Format IV-12 billing information description letter	New, attached
Form IV-13 authorization letter (companies to sign foreign trade contracts)	New, attached

Additional changes applicable to this ITB:

- (1) the bidder shall carefully review all the contents of the tender documents (including some drawings, pictures and CD, etc.), if found after receiving the tender documents have missing pages, printing is not clear or do not understand the content and not

to the tendering agency, resulting in the bidders bid documents do not meet the requirements of the tender documents, the responsibility should be borne by the bidder. Tender documents that essentially do not respond to the requirements of the tender documents will be rejected.

- (2) if the number of bidders less than three or according to the tender documents instructions to article 16.2 agreed to extend the validity of the number of three (if the tender agency before the bid opening procedures through the selection and implementation of the two bid opening, the two "three" are changed to "two"), the tenderer has the right to choose according to the suggestion of the bid evaluation committee.
- (3) At the specified bidding deadline, Less than three bidders to submit the bidding documents; Or until the prescribed deadline for the sale of the tender documents, The number of potential bidders actually purchasing the bidding documents is less than three; Or before the specified bidding deadline, Less than three potential bidders are confirmed in writing, The tenderer and the tendering agency will re-tender the bid in accordance with relevant regulations (see the announcement issued by the bid invitation agency on the tendering website for the new bidding deadline), However, the bidder who has submitted the bid documents before the original bid deadline shall not withdraw the bid documents, The staff of the tendering agency shall attach a seal on the outer package of the bidding documents, And all the affixed seals shall be signed by the bidder representative who has submitted the bid documents (if the bidder does not send a representative to attend the first bid opening meeting, Would be deemed to have been signed on the affixed seal), Subsequently, the bidding documents shall be kept by the tendering agency, And ensure that the bidding documents are in good sealed condition. At the new bid deadline, the bidder representatives who have submitted the bid documents before shall first check and confirm the integrity of all the affixed seals, and then enter into the subsequent bid opening procedure.
- (4) If the bidder has any additional, auxiliary or additional parts, accessories, devices, equipment or software exceeding the requirements of the goods demand list of the bidding documents and the technical specifications, regardless of whether the sub-item price is marked, it shall not be deducted when calculating the bid price. Unless the bidder has clearly stated this part of the price in the "bidder's remarks" column of its "Bid" and "Summary of Bid offer", and it has been deducted at the time of bidding and in the bid opening record.
- (5) The bidder shall not list the standard accessories or random spare parts and spare parts that may affect the main function or performance of the bidding products as the selected parts, otherwise it will not agree, and this part of the price will

still be included in the bid evaluation price of the bidder during the bid evaluation.

- (6) if the bidder for the supply from China in the "domestic supply item quotation table" in the notes of the proposed domestic products to pay VAT (or VAT ratio) and imported parts, components or materials, in the calculation of technology and business deviation discount from the corresponding equipment quotation and tender price, otherwise in the calculation deviation discount to the original quotation shall prevail.
- (7) If there is a negative deviation between the commercial or technical parts of the bidding documents and the requirements of the bidding documents (that is, the requirements of the bidding documents), it must be reflected in the "Commercial terms Response / Deviation Table" and "Technical Specification Response / Deviation Table" of the bidding documents, otherwise it will not be considered after winning the bid. However, at the time of bid evaluation, if the above negative deviation is found outside the "Business terms response / Deviation Table" and "Technical Specification Response / Deviation Table" of the bid documents, the adverse assessment to the bidder will be made.
- (8) The paper response documents of different packages shall be prepared separately and submitted separately sealed. The bidder shall bind the technical and commercial volumes of the bid documents separately. The bidding documents shall be bound in the form of fixed adhesive seal, and binder shall not be used; the total number of technical volumes of single bid documents shall not exceed 200, and the performance certificate shall be provided after scanning into electronic version; each page shall be marked with continuous page number.
- (9) If the bidder proposes to modify its bid documents or promise after receiving the notice of winning the bid, the tenderer has the right to cancel the bid qualification and select the next winning candidate to win the bid according to the order recommended by the bid evaluation committee, or choose to tender the bid again. At this time, the original winning bidder will be deemed unable to sign the contract with the tenderer within the prescribed time, and the bid security will not be returned.

IV-5. Technical specification response / deviation table format

formIV-5-1 Technical Specification Response / Deviation Table [Important clause for asterisk ("*")]

Name of bidder: Bidding No.: Package No.:

order number	description	Entry number of the bidding document	Bidding specifications	Bid specifications	Response / deviation	Description of the technical support data
1.						See the Tender Documents Paragraph 1 of page 1
2.						See the Tender Documents Paragraph 1 of page 1

Signature of Bidder Representative:

remarks:

1. The bidder shall explain the goods and services provided one by one according to the technical specifications of the bidding documents, make a substantial response to the technical specifications of the bidding documents, and state the deviations and exceptions with the provisions of the technical specifications. Especially for the indicators with specific parameter requirements, the bidder must provide the specific parameter value of the invested equipment.
2. The bidder shall respond to the description of the terms of "*" in the bidding documents in this form and explain the terms in page 1 of the Bidding Documents, and mark the corresponding terms in the color in the bidding documents.
3. In case of any inconsistency between the "Bidding Specifications" and the description of Chapter 8 "Demand List and Technical

Specifications", the provisions in Chapter 8 "Demand List and Technical Specifications" shall prevail.

4. * Technical materials must be provided for important provisions of the asterisk ("*").

formIV-5-2 Specification Response / Deviation Table [except for significant terms for adding asterisk ("*")]

Name of bidder: Bidding No.: Package No.:

ord er num ber	description	Entry number of the bidding document	Bidding specifications	Bid specifications	Response / deviation	explain
1.						
2.						

Signature of Bidder Representative:

remarks:

1. When preparing the bidding documents, the bidder shall supplement the technical specification content not listed in the technical specification response / deviation table (i. e., the entry number of the bidding document is "...").
2. The bidder shall explain the goods and services provided one by one according to the technical specifications of the bidding documents, make a substantial response to the technical specifications of the bidding documents, and state the deviations and exceptions with the provisions of the technical specifications. Especially for the indicators with specific parameter requirements, the bidder must provide the specific parameter value of the invested equipment.
3. In case of any inconsistency between the "Bidding Specifications" here and the description of Chapter 8 "Goods Demand List and Technical Specifications", the provisions in Chapter 8 "Goods Requirements List and Technical Specifications" shall prevail.

formIV-6. Business terms response / deviation from the table form

formIV-6-1 Business Term Response / Deviation Table [Important clause for asterisk ("*")]

Name of bidder: Bidding No. : Package No. :.

order number	Entry number of the bidding document	Commercial terms of the bidding documents	Commercial terms of the tender documents	Response / deviation	Description of the technical support data
1.					See the Tender Documents Paragraph 1 of page 1
2.					See the Tender Documents Paragraph 1 of page 1

Signature of Bidder Representative:

remarks:

1. In the case of any inconsistency with the description of the commercial terms of bidding Documents and Chapter VIII Goods Demand List and Technical Specifications, the provisions specified in Chapter VIII Goods Demand List and Technical Specifications shall prevail.
2. The bidder shall respond to the description of the terms of "*" in the bidding documents in this form and explain the terms in page 1 of the Bidding Documents, and mark the corresponding terms in the color in the bidding documents.

formIV-6-2 Business terms Response / Deviation table [except for the important clause marked with an asterisk ("*")]

Name of bidder: Bidding No.: Package No.:

order number	Entry number of the bidding document	Commercial terms of the bidding documents	Commercial terms of the tender documents	Response / deviation	explain
1.					
2.					
3.					
4.					
5.					

Signature of Bidder Representative:

Note: In case of any inconsistency with the description of the terms in Chapter VIII List of Goods Demand and Technical Specifications, the provisions in Chapter VIII Goods Demand List and Technical Specifications shall prevail.

Format IV-10, a written statement by the Supplier

To: (Tenderee)

Our company promises that we have not violate the provisions of Article 18 of the Implementation Regulations of the Government Procurement Law of the Peoples Republic of China in the procurement activities of this project, that is, " the person in charge of the unit is the same person or different suppliers with direct holding and management relationship, and shall not participate in the government procurement activities under the same contract. Except for the single-source procurement project, the suppliers that provide the overall design, standardized preparation, project management, supervision, testing and other services for the procurement project shall not participate in any other procurement activities of the procurement project. "

Our company has not violated the provisions of Article 34 of the Regulations for the Implementation of the Bidding Law of the Peoples Republic of China, that is, " legal persons, other organizations or individuals who have an interest with the tenderer and may affect the fairness of the bidding shall not participate in the bidding. If the person in charge of a unit is the same person or different units have a controlling or management relationship, they may not bid for the same bid section or for the same tender project not divided into bid sections. "

Hereby Declare.

Signature of Bidder Representative:

Date: year month day

Format IV-11 Bid Security payment and refund voucher (format) (applicable to bank transfer)

Shanghai Zhongshi Construction Consulting Co., LTD.:

We are (project name) (Bidding No.: Package No.): The bid security of RMB yuan (in words: RMB yuan) has been transferred from our account by the bank in the form of active transfer.

See the attachment for details: a copy of the money order or transfer voucher issued by the bank.

Please transfer the deposit to our account according to the following contents. If the project deposit fails to be returned in time or any error occurs in the refund process due to the insufficiency, error or blurred handwriting, we will bear full responsibilities and losses.

Full name of the unit:.

Bank of account opening (specific to the branch):.

Account number:.

Signature of Bidder Representative:

YTD

attach:

(Paste a copy of the bank voucher for the transfer or remittance)

pour:

1. When bidding, the bidder shall pay the bid security according to the requirements of the tender documents. For domestic tenderers, the bid security must be transferred from their basic account and paid in the form of bank transfer or bank remittance, and a copy of the voucher shall be pasted as required so that the return of the bid security can be completed after the completion of the project.
2. Within five working days after the issuance of the bid-winning notice, the tendering agency shall return the bid security of the unwinning bidder without interest. The winning bidder shall, within five working days after the signing of the procurement contract and according to the requirements of "Winning service fee"

in the front schedule, pay the full winning service fee to the tendering agency, and the tendering agency shall return the bid security to the winning bidder without interest.

**Format IV-12 If successful, the billing information description letter
Shanghai Zhongshi Construction Consulting Co., LTD.:**

The company (name of the bidder) in your company (project name) (tender number:
package number:) if won the bid, the type selection ☐ invoice VAT ordinary invoice
☐ VAT special invoice (please in the corresponding "□", " ", and can only choose
one of them), and our invoice information as follows:

name of organization			
identification number of the taxpayer			
address			
bank of deposit (Specific to Bank X, X Sub-branch)		contact number (Indicated fixed-line)	
account number		Contact person and telephone number	

If our company does not fill in according to this requirement, does not provide
valid invoice information, does not confirm the type of invoice or confirm the
invoice type is wrong. Agree not to replace the invoice type. And is willing to
bear all the consequences arising therefrom.

Signature or seal of the bidders
representative:

Form IV-13 authorization letter (companies to sign foreign trade contracts)

Tongji University:

If our company passes the specimen project in the international open competitive bidding, the project number is:, and the total amount is: yuan.

Since this instrument is an imported product, it needs to be import settled and intends to apply for import duty-free, we hereby entrust the company to sign the foreign trade contract with Tongji University and be responsible for the receipt and payment of this project.

The Company has no right to transfer this authorization. Take this as evidence.

Legal representative / principal or his authorized
client (signature or seal):

Date: Date 2025

Chapter III Contract Terms and Data Sheet

The Particular Conditions of Contract in this chapter is a specific supplement and modification to Chapter II General Terms of Contract. In case of any contradiction, the Particular Conditions of Contract shall prevail.

regulation number	content
1	Name of the Buyer: Tongji University Name of the buyers bidding agent: Shanghai Zhongshi Construction Consulting Co., Ltd Sellers name: Project site: the designated location
7	Performance bond: The performance bond of 5% of the contract amount shall be paid to the university before signing the contract. Payment method: performance guarantee or telegraphic transfer (this is applicable to domestic supply).
16	Accompanying Services to be provided: 1) Implement or supervise the site assembly and / or commissioning of the goods supplied; 2) Provide the tools required for the assembly and / or maintenance of the goods; 3) Provide a detailed operation and maintenance manual for each appropriate single equipment of the goods supplied; 4) Run or supervise or maintain or repair the goods supplied within a certain period of time agreed upon by both parties, provided that the service shall not relieve the Seller from its obligations during the contract guarantee period; 5) Train the Buyers personnel for the assembly, commissioning, operation, maintenance and / or repair of the goods at the Seller, the manufacturer and / or at the Project site. 6) The Seller shall make regular telephone visits to remind the tenderer of the replacement parts, and provide suggestions for preventive maintenance and effective improvement and optimization.
17. 2	Spare parts required: spare parts during the warranty period.

18.4	<p>Period of free repair and replacement of defective parts:</p> <p>The original quality assurance of the equipment shall be provided from the date of acceptance (see Chapter 4 for the specific warranty period).</p> <p>Product lifetime warranty, after the expiration of the warranty period, still need to provide professional maintenance services.</p> <p>Give a clear reply after receiving the notice within 24 hours, and arrive at the site for maintenance within 48 hours. If the problem cannot be repaired on the site after the maintenance personnel arrive at the site, the supplier shall give a reasonable solution within 24 hours. If it cannot be solved on site, the supplier shall provide the same model until troubleshooting. If the warranty period is exceeded, the goods and services will be charged at the minimum cost price.</p>
20	<p>Payment method and conditions are:</p> <p>Overseas supply: the buyer shall issue L / C (irrevocable letter of sight) of 90% of the contract amount, and the goods shall pay 90% of the contract amount of the contract amount within 30 days of 10%T / T after the acceptance.</p> <p>Domestic supply:</p> <p>(1) 50% of the contract amount is paid in advance within 20 working days after the signing of the contract;</p> <p>(2) 50% of the contract amount shall be paid after the overall acceptance of the project and the performance bond or performance guarantee of 5% of the contract amount;</p> <p>(3) after the expiration of the warranty, the seller provides the buyer confirmed the written proof without quality problems, buy the seller without interest to return the performance bond guarantee, such as the buyer to pay warranty during the warranty period, after deducting the warranty fee to return the balance, the buyer pays the cost beyond the performance bond or performance guarantee, make up by the seller.</p>
* 32.2	<p>Place of arbitration and official language of arbitration:</p> <p>Arbitration shall be conducted by Shanghai International</p>

	Arbitration Center in accordance with its arbitration rules and procedures, and the official language of arbitration shall be in Chinese.
35	Address of Buyer Notice: No.1239, Siping Road, Yangpu District, Shanghai, Tongji University Seller Notice Address:
36	The title of the reciprocal agreement is "The Agreement of the Peoples Republic of China and the Government on income tax and property taxes: avoidance of double taxation and prevention of tax evasion"
38	Apply to additional changes to this Contract
38.1	In the bidding documents as the first three copies of two credit contract annex format (i. e. format III-4-1 and format III-4-2) of the documentary are added one: "has according to the imported goods wooden packaging supervision and quarantine measures (the Peoples Republic of China, the 84 order of the state administration of quality supervision, inspection and quarantine) for wooden packaging and IPPC logo declaration 1, or did not use wooden packaging statement 1".
38.2	Attachment: Supplementary Agreement

supplemental agreement

first party:

second party:

End user: Tongji University

Through friendly negotiation, Party A and Party B reach the following agreement on entrusting Party A to import "XXXXXXXXXX" from Party B, (Contract Number: XXXXXXXXXXXX, transaction price: XXXXXXXXXXXX):

1, the project limit of CNYXXXXXXXXXX yuan, capital: RMB XXXXXXXXXXXX whole, this project to the school all costs, including payment, the import of the foreign trade agency fees, bank fees, customs clearance, import license fee, originating in specific countries (regions) of specific products by the Chinese government implementation of tariffs (if any), and other costs in the process of import. If the total cost settled by Party A exceeds the limit of the project, party B shall bear the excess amount according to the bidding / negotiation results. If in the import process, Tongji University cannot obtain the tax reduction part, all the expenses of the goods to the project site shall be borne by Party B.

2. After the completion of the project, the settlement between Party A and the end user shall be subject to the "Foreign Trade Agency Agreement for Import Goods of Tongji University". The settlement criteria are provided as follows:

Payment for goods (the foreign exchange rate shall be settled according to the bank exchange rate of T / T remittance date or L / C acceptance date) + agency fee (the fluctuation rate) + unloading fee of import customs clearance and transportation insurance (according to the actual settlement).

If the total settlement fee exceeds the purchase limit, the excess amount shall be borne by Party B, and the settlement method is as follows:

Party B shall, within 14 days after receiving the corresponding supplement notice from Party A, Party B shall pay the corresponding amount to the account designated by Party A, and Party A shall issue a VAT invoice of the same amount to Party B within 14 days after receiving the payment. If overdue, Party A shall have the right to deduct the corresponding amount from the latest batch of payment.

3. The rest of the original contract shall remain in effect except for the provisions specified in this Agreement. In case of any conflict between this Agreement and the original contract, this Agreement shall prevail.

4. This Agreement is made in sevuplicate, with party A and Party B holding one copy

each and the end user holding five copies. It shall come into force upon being signed and sealed by the three parties.

Party A (signature and seal): Party B (signature and seal):

Date: Date:

End user (signature): Tongji University

date:

Chapter 4 List of cargo requirements and technical specifications

1. Basic information of the project	
project name:	A batch of purchase of Marine science sensors
Project type:	<input checked="" type="checkbox"/> Goods (whether imported: Yes <input type="checkbox"/> No) <input type="checkbox"/> Services <input checked="" type="checkbox"/>
2. procurement requirement	
<p>(I) Functions or objectives to be realized by the procurement object:</p> <p>Objective: The sensors are mainly used for long-term underwater observation of the National Subsea Science Observation Network for major national science and technology facilities. Marine observation sensors are used to monitor the relevant chemical and biological indicators in seawater.</p> <p>The submarine observation subnetwork of the East China Sea has set up four scientific observation network nodes and one mobile observation node, including the transportation process of sediment in the East China Sea, and the correlation between biogeochemistry and ecological environment in the low oxygen region. The size and concentration of suspended particles in water bodies vary greatly in different hydrodynamic, climatic and warm salt environments, which have a significant impact on the elements carried by the sediment transport and transport. Due to the complexity of flocculation, such as the cementation and fragmentation of flocculation group, indoor research is very different from field observation. The dynamic change of particle size and concentration of these suspended particles at a long time with high resolution is helpful to promote the study of these scientific problems.</p> <p>Laser particle size meter is an instrument for measuring the particle size distribution and concentration of suspended particulate matter in Marine environment. It is mainly used in the dynamic process of suspended matter flocculation and crushing, and has been widely used in the field of Marine deposition dynamics and Marine environment. The water attenuation data obtained by the instrument can also be used to study the optical properties of water bodies. The instrument supports remote control, real-time data transmission, and internal data storage.</p>	

Acoustic Doppler point flow meter: the instrument is mainly used in the observation and research of turbulence and velocity of oceans, rivers, lakes and rivers. The instrument has been widely used in the study of Marine turbulence, to the east China sea seabed observation network involves the east China sea shelf sediment transport process, frontal process of spatial and temporal evolution, low oxygen and upwelling evolution and extreme climate conditions under the seabed process of scientific goal plays an important role in promoting, meet the needs of scientific observation network.

Acoustic Doppler single-point sea flow meter applications include offshore sea current research, three-dimensional single-point flow rate measurement of rivers, lakes and channels. The device is suitable for the requirements of areas where ADCP cannot measure, such as the near bottom blind area, the sea surface blind area and the ADCP beam occlusion area. It can be used for a variety of deployment scenarios, from anchor system to seabed installation, which makes up for the defects of ADCP measurement. The instrument will be used to measure the underwater flow velocity on platforms such as the submarine observation network buoy and the Tongji Hai No.1 observation tower, providing real-time information on the flow velocity and flow direction inside the ocean.

The acoustic pulse emitted by the acoustic Doppler profile flow meter touches any moving suspension (plankton, sediment, etc.) in the water and produces a backscatter signal, which is received by the receiver. Since the suspension moves with the flow, the backscatter signal contains a Doppler shift. According to the size and direction of Doppler shift, the speed and direction of the data of different levels can be obtained and stored in built-in memory or transmitted in real time.

Temperature and salt deep sensor is used for the construction of national big science engineering submarine observation network. The instrument integrates conductance, temperature and pressure sensors, as well as dissolved oxygen and other sensors, which are used for an observation node of the sea observation network and can be transmitted to the laboratory through the observation network or the data is stored in its own memory. The instrument is important for the observation of subseafloor salinity, pressure, and temperature. High-precision data can be obtained with the instrument, mainly used for related scientific research work.

Nitrate sensor is based on ultraviolet spectrophotometry, without chemical reagents, using the absorption of nitrate ions in the ultraviolet light region, by measuring the absorbance of the effluent nitrate concentration, its accuracy can

reach micromolar level. By purchasing more units of this type sensor and cloth in the east China sea observation network types of observation platform, to the target sea seawater nitrate content of high resolution space observation, help to understand the spatial distribution of the target sea nitrate, determine the source of the target sea nitrate, combined with other observation parameters such as dissolved oxygen, chlorophyll can also be applied to the formation mechanism of eutrophication events such as red tide research.

The three-wavelength fluorometer uses fluorescence and light scattering techniques to identify chlorophyll and CDOM based on the characteristic fluorescence wavelength intensity and to measure turbidity according to the light scattering characteristics of suspended particles in water. The device will be integrated into the observation platform of the East China Sea observation network for the study of plankton algae concentration, seawater transparency and water quality changes in the East China Sea.

(2) Technical requirements

(Quantity, quality, safety, technical specifications, physical characteristics and other requirements to be met):

1. Relevant national, industry, local or other standards and norms	<input checked="" type="checkbox"/> This project is not applicable.
2. Product list and index requirements (available as attached table)	<p>product list:</p> <p>Package 1: Laser particle meter: 6 sets</p> <p>product list:</p> <p>Admito instrument host</p> <p>Biological attachment device</p> <p>The 2 m is connected to the communication test cable</p> <p>software</p> <p>Adventitia measurement room</p> <p>operating instruction</p> <p>Correction and test certificate</p> <p>With a small tool kit</p>

	<p>Index requirements:</p> <p>★ Particle size measurement range: 1-500 micron, 36 level particle size distribution</p> <p>★ Optical path: not more than 25 mm</p> <p>★ Pressure probe: not less than 200m</p> <p>External power supply: 9-24VDC</p> <p>★ Sampling rate: up to 1Hz</p> <p>Transmission degree: 0.3-0.99 (30-90%), 0.1% resolution</p> <p>Concentration: 0.5-700 mg/l (depending on the particle size)</p> <p>★ Memory: not less than 1GB</p> <p>Communication: RS232</p> <p>Package 2: Acoustic Doppler point flow meter: 2 sets</p> <ol style="list-style-type: none"> 1. Acoustic frequency: not less than 6 MHz 2. Technical requirements for measuring flow velocity: <p>three-dimensional flow velocity measurement, with vertical flow velocity component</p> <ol style="list-style-type: none"> 2.1 Velocity accuracy: $0.5\% \pm 1$ mm/s of the measured flow rate 2.2 Output frequency: up to 64Hz 2.3 Speed range: up to 7 m/s 2.4 Sampling volume: 15cm from the probe, 15mm in diameter, 5-20mm in height 3. At least have the following sensors: <ol style="list-style-type: none"> 3.1 Pressure Sensor: <p>Maximum depth: 200m</p> <p>Accuracy: 0.5% and within the full range</p> <p>Resolution: not less than 0.005% of the full range</p> 3.2 Temperature Sensor: <p>Range: $-4^{\circ} \sim 30^{\circ}$ C</p> <p>Accuracy: $\pm 0.1^{\circ}\text{C}$ and less than; the resolution is not less than 0.01°C</p> 3.3 Tilt sensor: <p>Range: $0 \sim 30^{\circ}$</p> <p>Accuracy: not less than 0.2° , resolution not less than 0.1°</p> 3.4 Magnetic compass:
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	<p>Two-way compass, up and down automatic recognition</p> <p>Accuracy: not less than 2° , the resolution is not less than 0.1°</p> <p>4, the memory is 16GB</p> <p>5, communication cable 5 meters</p> <p>6, at least 1 instrument portable box</p> <p>7, at least 1 tool box</p> <p>8. Communication: RS422</p> <p>Acoustic Doppler single-point ocean current meter: 10 sets</p> <p>1. Frequency: 2 MHz</p> <p>★ 2. Technical requirements for measuring flow rate:</p> <p>three-dimensional flow rate measurement, with vertical flow velocity component</p> <p>★ 2.1 Speed accuracy: $1\% \pm 5 \text{ mm/s}$ of the measured flow rate</p> <p>2.2 Output Frequency: 2 Hz</p> <p>2.3 Optional speed range: $\pm 1 \text{ m/s}$, $\pm 2.5 \text{ m/s}$, $\pm 5 \text{ m/s}$</p> <p>3 Standard Standard Sensors:</p> <p>★ 3.1 Pressure sensor</p> <p>Maximum depth: 100m</p> <p>Accuracy: 0.25% of the full range</p> <p>Resolution: 0.005% of the full range</p> <p>3.2 Temperature sensor</p> <p>Range: $-4^{\circ} \sim 40^{\circ} \text{ C}$</p> <p>Accuracy: 0.1° C</p> <p>Resolution: 0.01°</p> <p>★ 3.3 The tilt sensor</p> <p>Range: 30°</p> <p>accuracy:0.2°</p> <p>Resolution: 0.1°</p> <p>★ 3.4 Magnetic compass (built-in field calibration function):</p> <p>Two-way compass, up and down automatic recognition</p> <p>accuracy:2°</p> <p>Resolution: 0.1°</p>
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	<p>4. Memory: 16G</p> <p>Package 3: Acoustic Doppler flow rate profile instrument: 4 sets</p> <p>Overall functional requirements: on the basis of the Doppler principle, the use of fine sediment particles and other objects in the water to the ultrasonic emission, to achieve accurate measurement of water flow, the instrument can be connected to the seabed observation network to monitor and record the changes of sea current.</p> <p>★ 1. The acoustic frequency is not less than 300 kHz</p> <p>2. The quantification range is not less than: 166 meters (large range mode); 126 m (high resolution mode)</p> <p>★ 3, the flow rate resolution is not less than 0.1 cm/s</p> <p>4. Flow rate range is ± 20 m/s (maximum)</p> <p>5, the echo intensity profile dynamic range of 80dB</p> <p>6, the precision of the echo strength profile is ± 1.5dB</p> <p>★ 7, transducer beam angle 20°</p> <p>★ 8, Beam arrangement: at least 4 beams, convex shape; the fifth beam vertical</p> <p>9. Software: at least include data acquisition, display and output software</p> <p>10, pressure resistance grade 200 meters</p> <p>★ 11, the pressure sensor is 100m, the accuracy (uncertainty) $\pm 0.1\%$</p> <p>★ 12. Other accessories: no less than 4G memory card, direct reading function module, bottom tracking function upgrade, including wave measurement upgrade with wave direction</p> <p>Package 4: warm salt deep sensor 1 (integrated DO): 10 sets</p> <p>1. Range of temperature measurement: $-5^{\circ} + 35^{\circ}\text{C}$</p> <p>★2. Temperature accuracy: $\pm 0.002^{\circ}\text{C}$</p> <p>★3. Temperature stability (monthly): 0.0002°C</p> <p>4. Temperature resolution: 0.0001°C</p> <p>5. Salinity (conductivity) measurement range: $0^{\circ}7 \text{ S / m}$</p> <p>★6. Salinity (conductivity) accuracy: $\pm 0.0003 \text{ S / m}$</p> <p>★7. Salinity (conductivity) Stability (monthly): 0.0003 S / m</p>
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	<p>8.Salinity (conductivity) resolution: 0.00001 S / m</p> <p>9.Pressure measurement range: 100 m</p> <p>10.Pressure accuracy: $\pm 0.1\%$ full range</p> <p>11.Pressure stability (monthly): 0.1% full range / year</p> <p>12.Pressure resolution: 0.002% full range</p> <p>13.Measuring range of dissolved oxygen: 0~120%;</p> <p>14.Dissolved oxygen measurement accuracy: $\pm 3 \mu M / kg$;</p> <p>15.Resolution of dissolved oxygen: 0.2 $\mu M / kg$;</p> <p>★ 16. Provide an anti-biological attachment device</p> <p>★ 17, built-in overflow pump.</p> <p>Temperature and salt deep sensor 2 (integrated DO): 2 sets</p> <p>1. Range of temperature measurement: $-5^{\circ} + 35^{\circ}C$</p> <p>2. Temperature accuracy: $\pm 0.005^{\circ}C$</p> <p>★ 3, Temperature stability (monthly): 0.0002$^{\circ}C$</p> <p>4. Temperature resolution: 0.0001$^{\circ}C$</p> <p>5, Salinity (conductivity) measurement range: 0~9 S / m</p> <p>6, Salinity (conductivity) accuracy: $\pm 0.0005 S / m$</p> <p>★ 7, Salinity (conductivity) Stability (monthly): 0.0003 S / m</p> <p>8, Salinity (conductivity) resolution: 0.00005 S / m</p> <p>9. Pressure measurement range: 100 m</p> <p>10. Pressure accuracy: $\pm 0.1\%$ full range</p> <p>11. Pressure stability (monthly): 0.1% full range / per year</p> <p>12. Pressure resolution: 0.002% full range</p> <p>13. Measurement range of dissolved oxygen: 0~120%</p> <p>14. Measurement accuracy of dissolved oxygen: $\pm 3 \mu M / kg$</p> <p>15, dissolved oxygen resolution: 0.2 $\mu M / kg$</p> <p>★ 16, the maximum sampling rate is not lower than 4Hz</p> <p>★ 17, equipped with a separate submersible pump</p> <p>★ 1 8, configure the magnetic switch control instrument on and off</p> <p>Package 5: Nitrate sensor: 15 sets</p> <p>Product configuration includes software U disk / CD, power supply / data connection cable, watertight connector plug</p>
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	<p>plug, instrument box, factory test report and operation manual, etc</p> <p>the key technical indexes:</p> <p>(1) Optical path: 5mm</p> <p>(2) The wavelength range of the ultraviolet light source: including 190–370nm</p> <p>(3) Applicable seawater salinity range: 0–40 PSU</p> <p>(4) Turbidity range: 0–1250 NTU</p> <p>(5) Accuracy: $\pm 4 \mu\text{M}$ ($\pm 0.056 \text{ mgN / L}$) or $\pm 10\%$ of the reading, take a larger value;</p> <p>(6) Measurement range: include at least $1 \mu\text{M}$–$500 \mu\text{M}$</p> <p>(7) Short-term precision: [at 3σ] $0.3 \mu\text{M}$ (fresh water or seawater, after T–S calibration); $2.4 \mu\text{M}$ (sea water [0 psu–40 psu])</p> <p>(8) Long-term drift: $<0.3 \mu\text{M}$ per hour (light source luminous time) (fresh water or seawater, after T–S calibration); $<1.0 \mu\text{M}$ (sea water [0 psu–40 psu]);</p> <p>(9) Pressure resistance depth: not less than 100m</p> <p>(10) with anti-biological brush, with self-cleaning effect</p> <p>(11) Power supply range: 8–15VDC</p> <p>(12) Light source life: > 950 hours</p> <p>(13) Power consumption: 7.5W</p> <p>(14) Memory: not less than 2G</p> <p>(15) Data output: RS232</p> <p>Package 6: deepwater pH sensor: 13 sets</p> <p>product list:</p> <p>Instrument host</p> <p>Anti-biological attachment device</p> <p>2 m to connect to the communication test cable</p> <p>software</p> <p>operating instruction</p> <p>Correction and test certificate</p> <p>With a small tool kit</p> <p>Index requirements:</p> <p>1. Scale:</p>
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	<p>Conductivity: 0-7 S / m</p> <p>temperature:-5--+45°C</p> <p>Pressure: 0-2,000 m</p> <p>Dissolved oxygen: 120% of the saturated concentration of dissolved oxygen in natural water bodies</p> <p>pH: 6.5-9.0 pH</p> <p>2. Initial accuracy:</p> <p>Conductivity: not less than ± 0.0003 S / m</p> <p>Temperature: not less than $\pm 0.002^{\circ}\text{C}$ (-5-35°C); $\pm 0.01^{\circ}\text{C}$ (35-45°C);</p> <p>Pressure: not less than $\pm 0.1\%$ of the full range</p> <p>Dissolved oxygen: not less than $\pm 3 \mu\text{mol} / \text{kg}$ or $\pm 2\%$ (whichever is greater)</p> <p>PH: Not less than ± 0.05 pH</p> <p>3、Memory: not less than 4GB</p> <p>Package 7: Water body carbon dioxide sensor: 6 sets</p> <p>Range: 0-1000ppm</p> <p>accuracy:$\pm 0.5\%$F.S.</p> <p>Zero drift: automatic zero calibration</p> <p>Pack part 8: three-wavelength fluorometer: 5 sets</p> <p>1. Product list: main engine, protective box, supporting test cable and plug, calibration report, data file U disk.</p> <p>2. Technical indicators:</p> <p>★ Measurement range of chlorophyll covers 0-30 ug / L, sensitivity 0.025 ug / L; turbidity range: 0-25 NTU, sensitivity 0.012 NTU; quantity: 1 set;</p> <p>★ Measurement range of chlorophyll 0-50 ug / L, sensitivity 0.025 ug / L; turbidity range: 0-300 NTU, sensitivity 0.07 NTU; CDOM measurement range 0-375 ppb, sensitivity 0.28 ppb; quantity: 4 sets;</p> <p>★ 5 sets of equipment are equipped with memory and anti-biological brush;</p> <p>The warranty is 2 years</p> <p>Working water depth is> 200m</p>
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	<p>Dual-mode three-wavelength fluorometer: a total of 2 sets</p> <p>1. Product list: main engine, protective box, supporting test cable and plug, calibration report, data file U disk.</p> <p>2. Technical indicators:</p> <p>★ Chlorophyll measurement range 0-50 ug / L, sensitivity 0.025 ug / L;</p> <p>★ Turbidity range: 0-300 NTU (sensitivity 0.07);</p> <p>★ CDOM measurement range 0-375 ppb and sensitivity 0.28 ppb</p> <p>★ Two sets of equipment are equipped with memory and anti-biological brush;</p> <p>The warranty is 2 years</p> <p>★ comes with a battery</p> <p>Working water depth is> 200m</p>
3. Product ownership / intellectual property requirements	Whether it belongs to the school: Yes <input checked="" type="checkbox"/>
(3) Service requirements (service standards, time limit, efficiency, technical support, service personnel composition and other requirements to be met by the procurement object):	
1. Service content and requirements	<p>Acoustic Doppler point flow meter, laser particle meter:</p> <p>Delivery time: within 2 months after the completion of the free form processing or within 3 months after the signing of the contract;</p> <p>The warranty period of the main engine is at least 1 year, and the original factory warranty shall be provided. During the warranty period, the seller shall provide free maintenance of the goods and free replacement of the defective parts, and provide free technical consulting services. Software lifetime free upgrade</p> <p>Acoustic Doppler single-point sea current meter, acoustic Doppler flow velocity profile instrument, temperature and salt deep sensor, deep water pH sensor:</p> <p>(1) The equipment shall be completed within 90 days after the contract becomes effective and delivered for use after acceptance. The equipment shall be the original installed capacity, and no</p>

	<p>prototype or group installed capacity shall be provided.</p> <p>(2) After the completion of production, the equipment shall be installed and tested at the observation point designated by the purchaser, and the non-fault operation for no less than one month shall be deemed to have been acceptance.</p> <p>(3) Provide at least 2 years of free warranty service for the original factory, and provide maintenance services, accessories and technical support services for life. After the warranty period, only spare parts and maintenance costs are appropriate charges.</p> <p>(4) During the warranty period, if the equipment is damaged or unable to work properly due to bad manufacturing, it shall be given a clear reply within 24 hours after receiving the notice from the purchaser, and shall arrive at the site for maintenance within 48 hours. If the maintenance personnel cannot be repaired on site after the site, the supplier shall give a reasonable solution within 24 hours, and bear all expenses not limited to the installation cost, commissioning fee, engineer service fee, travel fee (including sea subsidy), accommodation fee, etc.</p> <p>(5) The supplier shall have a perfect management system, such as the effective quality management system certificate, environmental management system certification certificate, occupational health enterprise system certification certificate, etc.</p> <p>(6) The supplier shall provide the personnel information of the project implementation team to ensure that the quality standard, production efficiency and technical support of the equipment can meet the procurement requirements.</p> <p>Nitrate sensor, water body carbon dioxide sensor:</p> <p>(1) Before delivery, the seller shall be responsible for the transportation fee, insurance, storage, loss of goods and damage risk of the purchase object;</p> <p>(2) After the arrival of the goods, the sellers professional and technical personnel shall timely conduct operation training to the buyers technical personnel to ensure that the buyers technical personnel can operate skillfully;</p>
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	<p>(3) The Seller can timely respond to and solve various problems encountered in the Buyers use.</p> <p>(4) The delivery time is within 2 months after signing the contract.</p> <p>Three-wavelength fluorometer and dual-mode three-wavelength fluorometer:</p> <p>(1) Provide the door-to-door acceptance service once, and provide the tools and chemical standards required for the debugging and acceptance test free of charge. The number of tools and the parts of the chemical standards should be able to meet the requirements of the acceptance test.</p> <p>(2) From the time of the actual delivery to the place designated by the user. If the remaining valid time of the factory calibration is less than 9 months, the calibration service of the designated third-party organization shall be provided free of charge.</p> <p>(3) The delivery period of the three-wavelength fluorometer and the dual-mode three-wavelength fluorometer is from May-August 2 025.</p> <p>During the warranty period of the sensor equipment, if the equipment components are damaged or cannot work properly due to poor manufacturing, the supplier shall give a clear reply and a reasonable solution within 24 hours after receiving the notice from the purchaser, and implement the solution agreed by the purchaser within 48 hours and bear all expenses arising therefrom. If a reasonable solution cannot be given within 48 hours due to special circumstances, the supplier shall reach the on-site maintenance within 72 hours. If the problem cannot be repaired on the site after the maintenance personnel arrive at the site, the supplier shall give a reasonable solution within 24 hours. If it cannot be solved on site, the supplier shall provide the same model until troubleshooting. The supplier shall bear all expenses not limited to installation guidance fee, commissioning fee, engineer service fee, travel fee (including overseas subsidy), accommodation fee, etc. If the warranty period is exceeded, the goods and services will be charged at the minimum cost price.</p>
2. Quality assurance	The following products shall be guaranteed for no less than one year:

period	<p>Laser particle size meter, water carbon dioxide sensor, acoustic Doppler point flow velocity meter.</p> <p>The following products shall be guaranteed for not less than 2 years:</p> <p>Acoustic Doppler single-point sea flow meter, acoustic Doppler flow velocity profile instrument, temperature and salt deep sensor, nitrate sensor, deep water pH sensor, three-wavelength fluorometer, dual-mode three-wavelength fluorometer.</p>
3. Service period	Product lifetime warranty, after the expiration of the warranty period, still need to provide professional maintenance services.
4. Service efficiency	<p>Give a clear reply within 24 hours after receiving the notice from the purchaser, and arrive at the site for maintenance within 48 hours. If the problem cannot be repaired on the site after the maintenance personnel arrive at the site, the supplier shall provide a reasonable solution within 24 hours. If there is no reasonable solution, the seller shall provide the same type of goods free of charge until the fault is removed. If the Seller fails to provide the services in accordance with the terms, it constitutes a breach and shall compensate the Buyer for the losses caused thereby. At the same time, the buyer may employ a third party to provide maintenance services, and the resulting therefrom shall be borne by the seller.</p>
5. Other service requirements (such as service team, installation and debugging, technical support, training, etc.)	<p>Acoustic Doppler point flow meter, laser particle meter:</p> <p>(1) The supplier shall provide relevant documents on factory quality inspection and report of factory calibration. The Supplier shall guarantee to provide the Purchaser with the integrity description and configuration requirements of all the components of the unit, such as supporting power supply, pipeline, joint, special tools and necessary accessories of the system. If the parts and accessories are missing during the acceptance acceptance because the supplier fails to fulfill the notification responsibility, the supplier must provide the equipment until the device can operate normally.</p> <p>(2) Service team: composed of technical personnel of the</p>

	<p>manufacturer or the seller, capable;</p> <p>(3) Installation and debugging: After the arrival of the instrument, the seller shall be responsible for the on-site installation and debugging of the equipment. After receiving the installation notice from users, send engineers to the site for installation and commissioning within one week according to the actual site conditions;</p> <p>(4) (After the installation and debugging, the service engineer will train the user on the system operation. The training content includes: system working principle, structure, system operation, daily maintenance and basic maintenance knowledge of the system.</p> <p>(5) The supplier regularly asks the technical engineers of the manufacturer to have technical exchange meetings with the users.</p> <p>(6) Provide online and offline technical consulting services. Regular telephone visits can remind the purchaser of the replacement parts, provide preventive maintenance and effective improvement and optimization suggestions.</p> <p>Acoustic Doppler single-point sea current meter, acoustic Doppler flow velocity profile instrument, temperature and salt deep sensor, deep water pH sensor:</p> <p>(1) During commissioning, acceptance and training, the supplier shall be responsible for guiding the installation and commissioning and providing professional and comprehensive operation and maintenance training, related electronic and paper operation instructions and training materials, and providing lifelong technical support.</p> <p>(2) During the commissioning, acceptance and training, the supplier shall send technicians to the site for technical services, and be responsible for solving the quality and performance problems found in the installation, commissioning and trial operation. The technical personnel sent to the site service shall be those with practical experience and competent for this work, otherwise the Purchaser shall have the right to request the Supplier to replace</p>
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	<p>the site technical personnel, and the Supplier shall re-select the technical personnel approved by the Purchaser.</p> <p>(3) Manufacturer training: At the equipment manufacturer, the supplier is responsible for providing 3 times / 5 days of training for the technical personnel of the purchaser, and providing training programs approved by the purchaser, including but not limited to equipment acceptance and technical training of the bidding products, as well as arranging training time, training teachers and training sites.</p> <p>(4) On-site technical training: The supplier shall provide free on-site technical training, which includes but is not limited to: equipment theory, operation, operation, maintenance technical training, software training, etc.</p> <p>(5) Regular telephone visit and return visit can remind the purchaser of equipment replacement parts, provide preventive maintenance and effective improvement and optimization suggestions.</p> <p>Nitrate sensor, water body carbon dioxide sensor:</p> <p>(1) When the equipment is delivered to the place designated by the Buyer, the Seller shall assign an engineer (technician) to unpacking, install and debug the equipment, and provide technical training to the Buyer until the Buyer can operate skillfully.</p> <p>(2) In case of shortage, damage or inconsistency with the Contract not caused by the buyer during the opening of the goods, the Seller shall complete the repair, replacement or replacement of the goods to the place designated by the Buyer within 3 days at the expense of the Seller.</p> <p>(3) The Seller shall bear all the expenses of the salary and travel of the training engineers (technicians).</p> <p>(4) Regular telephone visit and return visit, can remind the purchaser of the equipment replacement parts replacement time, provide preventive maintenance and effective improvement and optimization suggestions.</p>
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	<p>Three-wavelength fluorometer, dual-mode three-wavelength fluorometer:</p> <p>(1) The supplier shall provide the relevant documents of factory quality inspection and the factory calibration report. The Supplier shall guarantee to provide the Purchaser with the integrity description and configuration requirements of all the components of the unit, such as supporting power supply, pipeline, joint, special tools and necessary accessories of the system. If the parts and accessories are missing during the acceptance acceptance because the supplier fails to fulfill the notification responsibility, the supplier must provide the equipment until the device can operate normally.</p> <p>(2) Service team: composed of technical personnel of the manufacturer or the seller, who shall be capable;</p> <p>(3) Installation and debugging: After the arrival of the instrument, the seller shall be responsible for the on-site installation and debugging of the equipment. After receiving the installation notice, engineers shall be sent to the site for installation and commissioning within one week according to the actual site conditions, and material costs shall be borne by the Seller.</p> <p>(4) After the installation and commissioning, the service engineer shall train the user on the system operation. The training content includes: system working principle, structure, system operation, daily maintenance and basic maintenance knowledge of the system.</p> <p>(5) The supplier regularly requests the technical engineers of the manufacturer to have technical exchange meetings with the users. Provide online and offline technical consulting services. Regular telephone visits can remind the purchaser of the replacement parts, provide preventive maintenance and effective improvement and optimization suggestions.</p> <p>Technical support and service of all the above sensors: technical support materials, such as should be provided but not limited to</p>
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	the following technical documents and materials: 1) product installation, operation and maintenance manual; 2) product operation manual; 3) product certificate; 4) product arrival of goods; 5) after-sales service commitment.		
(IV) Delivery requirements:			
1. Number of bid-winning bidder (transaction) persons	<u>1 home (part per package)</u>	2. Delivery (implementation) location	Tongji University Lingang Base
3. acceptance level			
1. Whether the supplier needs to provide the samples	<input type="checkbox"/> whether or not <input checked="" type="checkbox"/>	2. Whether a third-party test report is required	<input type="checkbox"/> whether or not <input checked="" type="checkbox"/>
3. Acceptance criteria	<p>Acceptance according to technical requirements and service requirements; quality meets the requirements of design documents and current national and industrial quality specifications and standards</p> <p>(1) The products and accessories are complete, harmless, clean and in quantity consistent with the contract</p> <p>(2) Meet the technical index requirements</p> <p>(3) Fultless operation for more than 3 months</p> <p>(4) The quality certificate, warranty certificate, product operation manual and other technical data should be complete.</p> <p>(5) The date of the correction certificate shall be within 3 months before the unpacking acceptance date.</p> <p>Acceptance requirements for 5 three-wavelength and 2 dual-mode three-wavelength sensors:</p> <p>1) Using the standard sample and supporting test tools provided by the supplier, the deviation between the measured turbidity, chlorophyll and CDOM baseline values of each device and the calibration report is less than $\pm 10\%$; the linearity of each</p>		

	<p>measurement element is not less than 90%;</p> <p>2) The hardware works normally; damaged appearance; complete accessories;</p> <p>3) At the time of delivery to the place designated by the user, the remaining valid time of factory calibration shall not be less than 9 months. If not satisfied, the supplier shall provide the calibration service of the designated third-party organization once free of charge.</p> <p>Deep water pH and water body carbon dioxide acceptance requirements:</p> <p>1)Using the standard sample and supporting test tools provided by the supplier, the deviation between the measured value of each equipment and the data on the calibration report is less than $\pm 10\%$; the measurement linearity of each measurement element is not less than 90%;</p> <p>2)The hardware works normally; damaged appearance; complete accessories;</p> <p>3)From the time of delivery to the place designated by the user, the remaining valid time of factory calibration shall not be less than 9 months. If not satisfied, the supplier shall provide the calibration service of the designated third-party organization once free of charge.</p>
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any other business:

Except for the special instructions, all the specific technical parameters or parameter ranges specified in this technical specification shall be understood as the minimum requirements acceptable to the Tenderer. That is, when the smaller the corresponding technical parameter or parameter range, the specified specific technical parameter or parameter range shall be understood as the upper limit or maximum allowable range; when the larger the corresponding technical parameter or parameter range, the specified specific technical parameter or parameter range shall be understood as the lower limit or minimum allowable range.

Table of index catalogue of bid documents

Project name: Marine science sensors for a batch of procurement

Bidding No.: 1069-254Z20250009

document type	order number	filename	Submit the situation		Page code range	remarks
			have	not have		
Quotation file	1.	List of Bid Opening (see Form IV of Volume 1 of Bid Documents Document-2)				
	2.	Sub-quotation table (bidding for domestic supply) (see format IV-3-1, bid-1)				
	3.	Sub-bidding quotation table (bidding for overseas supply) (see format IV-3-2 in Volume 1 of bidding documents)				
Business documents	4.	Tender (see Form Volume II IV-1)				
	5.	Copy of supplier qualification documents (such as business license, legal person registration certificate or enterprise registration certificate, etc.)				
	6.	The bidder shall have the project experience of the contracted equipment, and be able to provide the delivery proof materials of the actual cases delivered in the past three years (from 2021 to present) (provide the copy of the contract, and the contract shall be subject to the signing time)				
	7.	Letter of Power of Attorney of the Principal (see format, Chapter IV Form IV-8)				
	8.	Qualification Statement (see Chapter IV Form IV-9-1)				
	9.	Manufacturer Qualification Statement (see Form IV-9-2)				
	10.	Qualification of trading company (as agent) (see Form IV-9-3)				
	11.	Unique Authorization Letter issued by the manufacturer / General Agent (see Format IV-9-4)				
	12.	Certificate (with the original or copy of the credit certificate issued by the bidder within three months before the bid opening) (see the format IV-9-5, Chapter IV of the Bidding Document)				
	13.	The "Credit China" website not designated by the Ministry of Finance three years before the bidding deadline (www.creditchina.gov. Cn) a screenshot of the website listed as persons subject to enforcement for trust-breaking and				

		major tax breaking trust-breaking subjects				
	14.	Three years before the bidding deadline, it was not included in the "China Government Procurement Network" (www.ccgp.gov. Cn) a screenshot of the website record list of serious illegal behaviors in government procurement				
	15.	Business terms response / Deviation Form [note asterisk ("*")] Form (see Bidding Document Volume II Form IV-6-1)				
	16.	Business Conditions Response / Deviation Form [except for important clauses marked with Star ("*")] Format (see Form IV-6-2)				
	17.	Bank guarantee of bid security (see Form IV-7, Chapter IV) or copy of the certificate of bid security				
	18.	Supplier Written Statement (Form IV-10)				
	19.	Certificate of payment and Return of Bid Security (see Form IV of Volume II-11)				
	20.	Letter of billing Data (see Form IV-12)				
	21.	Format IV-13 authorization letter				
technical 1 document	22.	List of goods description (with technical support materials) (see Format IV-4)				
	23.	Technical Specification Response / Deviation Table [Note asterisk ("*")] Format (see Bidding Document Volume II Form IV-5-1)				
	24.	Specification Response / Deviation Table [except for important clauses with asterisk ("*")] format (see Form IV, Volume 2-5-2)				

This table shall be placed on the first page of the tender documents