

# 海油工程流花28-2和27-1气田开发工程项目水下阀门评审细则

标段编号：24-CNCCC-HW-GK-5877/01

评标方法：经评审的最低投标价法

序号	评审环节	评审因素	评审标准
1	供应商行为分析	硬件信息	对比各投标文件所使用的电脑硬件信息，看是否存在共用电脑的情况
2	供应商行为分析	标书相似度	检查各投标文件之间文本内容的相似度
3	供应商行为分析	标书文件信息检查	对标书文件作者的审查，作为判断围串标的依据之一
4	形式评审	投标函签字盖章 Signed and sealed bid letter	有法定代表人（单位负责人）或其委托代理人签字或加盖单位章。由法定代表人（单位负责人）签字的，应附法定代表人（单位负责人）身份证明，由代理人签字的，应附授权委托书，身份证明或授权委托书 The legal representative (person in charge of the unit) or his authorized agent should sign or affix the unit seal. If signed by the legal representative (person in charge of the unit), the identity certificate of the legal representative (person in charge of the unit) shall be attached, and if signed by the agent, the power of attorney, identity certificate or power of attorney shall be attached.
5	形式评审	是否接受联合体投标 Whether to accept the consortium bid	不接受 Reject
6	形式评审	备选方案： Whether to accept the alternative	不接受 Reject
7	形式评审	投标保证金 Bid Security	投标人应提交投标保证金，并作为其投标的一部分，在递交投标文件的同时提交。投标保证金金额：不少于3.2万美元或23万元人民币或3万欧元。投标保证金有效期应当与投标有效期一致。 The Bidder should submit a bid security together with the bidding documents. The amount of bid security shall be not less than USD32,000.00 or CNY230,000.00 or EUR30,000.00. The validity period of the security shall remain the same as that of the bid.
8	形式评审	投标有效期 Bid validity period	投标有效期：120天。 投标有效期不足的将被视为非实质性响应，并予以否决。

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			<p>Period of Validity of the Bid: 120 (one hundred and twenty) days. A bid valid for a shorter period shall be rejected as substantially non-responsive.</p>
9	资格评审（资格、资质、业绩）	资格要求1 : Qualification Requirement 1	<p>如果投标人为中华人民共和国境内注册公司，需提供有效的营业执照（具备独立法人资格）、一般纳税人证明/税务登记证、组织机构代码证复印件或三合一营业执照，投标时提供原件扫描件（原件备查）。如果投标人为分公司的，应具有有效的证照合一的营业执照和总公司合法授权书。总公司与分支机构只可一家参与投标，同时参与投标视为投标无效。如果投标人为事业单位的，投标人应经全国各级事业单位登记管理机关核准登记或者备案，具有合法有效的事业单位法人证书。如出现单位负责人为同一人或者存在控股、管理关系的情况，相关投标均无效，招标人随时有权作出拒绝投标、取消投标资格、取消授标、不签订合同或在合同签订后终止合同等决定，相关投标人须无条件接受，且由此造成的任何损失由投标人承担。如果投标人为境外注册公司，需提供有效的公司登记注册证明。</p> <p>If the bidder is a registered company in the People's Republic of China, it is necessary to provide a valid business license (with independent legal personality), general taxpayer certificate/tax registration certificate, copy of organization code certificate or three-in-one business license, and provide a scanned copy of the original (original for reference) when bidding. If the bidder is a branch company, it shall have a valid business license and a legal authorization letter of the head office. Only one of the head office and its branches may participate in the bidding, and the bid shall be deemed invalid if it participates in the bidding at the same time.</p> <p>If the bidder is a public institution, the bidder shall be approved and registered or put on record by the national public institution registration and administration authorities at all levels, and have a legal and valid certificate of legal person of the public institution. If the person in charge of the unit is the same person or there is a holding and management relationship, the relevant bid is invalid, and the tenderer has the right to make decisions at any time such as rejecting the bid, canceling the bid qualification, canceling the award of the bid, not signing the contract or terminating the contract after the signing of the contract, which shall be unconditionally accepted by the relevant bidder, and any losses resulting therefrom shall be borne by the bidder. If the bidder is an overseas registered company, a valid certificate of company registration shall be provided.</p>
10	资格评审（资格、资质、业绩）	资格要求2 : Qualification Requirement 2	<p>投标人应为所投品牌阀门的制造商，不接受代理商、贸易商、贴牌商和代工厂。制造商全资的销售公司或控股的销售公司参与投标的，此两类销售公司视为制造商。如为全资的销售公司或控股的销售公司，需提供相应的证明文件。</p> <p>Bidder should be manufacturer of the bidding Valves. Agents, Traders, OEMs, and OEM Factories are not allowed to participate in the bidding.</p> <p>If a wholly owned sales company or a holding sales company of the manufacturer participates in the bidding, such two sales companies shall be regarded as the manufacturer. If it is a wholly-owned sales company or a holding sales company, relevant supporting documents shall be pr</p>

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			vided.
11	资格评审（资格、资质、业绩）	资格要求3： Qualification Requirement 3	<p>投标人所投产品的制造商应具有有效期内的GB/T19001或者ISO9001或者API Q1 质量体系认证证书，证书在中国国家认证认可监督管理委员会网站（<a href="http://www.cnca.gov.cn">http://www.cnca.gov.cn</a>）可查（体系认证证书为国外第三方认证机构颁发的，则网站查询不适用）。</p> <p>The valve manufacturer offered by the bidder shall valid GB/T19001 or ISO9001 or API Q1 Certificate, which can be checked on official website of China National Certification and Accreditation Administration (<a href="http://www.cnca.gov.cn">http://www.cnca.gov.cn</a>). Checking is not applicable to certificates issued by foreign third-party certificate authority.</p>
12	资格评审（资格、资质、业绩）	资格要求4： Qualification Requirement 4	<p>投标人所投的阀门制造商须有有效的API 17D和 API 6DSS证书。投标时提供证书扫描件。</p> <p>The valve manufacturer offered by the bidder shall have valid API 17D and API 6DSS certificates. Bidder shall provide certificates in bidding document.</p>
13	资格评审（资格、资质、业绩）	业绩要求1： Performance requirements 1	<p>2009年1月1日至投标截止日（以合同签署时间为准），投标人所投产品（包括阀门、液飞线和电飞线）的制造商应同时满足以下业绩要求：</p> <p>（1）至少包含2台尺寸不低于18”、且压力等级不小于CL2500、且水深不少于800米的球阀；</p> <p>（2）至少包含1台尺寸不低于18”且带ROV接口和液压驱动执行机构的水下隔离用球阀（SSIV）；</p> <p>（3）至少包含应用水深不少于200米的1个水下液飞线业绩和1个水下电飞线业绩。上述产品可分属于不同的业绩合同。</p> <p>From Jan. 1st, 2009 to the deadline for submission of bids (subject to the time of signing the contract), the manufacturer of the products(including Valve, Hydraulic Flying Lead and Electrical Flying Lead) submitted by the bidder shall meet all below requirements:</p> <p>(1) have at least 2 Subsea Ball Valves supply performance with size no less than 18", pressure rating no less than CL2500, and water depth no less than 800 meters, and</p> <p>(2) have at least 1 hydraulically actuated SSIV with size no less than 18", with ROV override facility, and</p> <p>(3) have at least 1 performance track records including subsea Hydraulic Flying Leads with water depth no less than 200 meters, and 1 performance track records with water depth no less than 200 meters including Electrical Flying Leads.</p> <p>All types of above products can be included in different performance track records.</p>
14	资格评审（资格、资质、业绩）	业绩要求2： Performance requirements 2	<p>投标人须按规定格式提交业绩表，并提交相关业绩证明文件。业绩证明文件至少包括：1）销售合同复印件（含相关技术附件）和2）到货验收证明文件。投标人所提交的业绩证明文件必须至少体现以下内容：合同签署时间、制造商名称、货物名称、项目名称、阀门(或飞线)类型、数量、尺寸、压力等级、应用水深及到货接收证明（到货验收证明可以是到货交接签收文件或对应的箱单、提单、发票复印件或验收报告或调试验收证明等）。未提交业绩证明文件，或所提供的业绩证明文件无法</p>

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			<p>体现上述内容的，均视为无效业绩。</p> <p>The bidder shall submit the performance table in the prescribed format, and submit the relevant performance proof documents. Performance proof documents shall include at least: 1) copies of sales contracts (including relevant technical attachments) and 2) arrival and acceptance proof documents. The performance proof documents submitted by the bidder must at least reflect the following contents: Date of signing Contract, Name of Manufacturer, Name of Goods, Name of Project, technical requirements of Valve(or Flying Leads) Type, Quantity, Size, Pressure Rating, Water Depth and Receiving proof of arrival of goods (Receiving proof can be the arrival delivery signature document or the corresponding packing list, bill of lading, copy of invoice or acceptance report or pre-commissioning/commissioning acceptance certificate). Failure to submit performance proof documents, or the performance proof documents provided cannot reflect the above contents, shall be deemed invalid performance.</p>
15	资格评审（资格、资质、业绩）	业绩要求3 : Performance requirements 3	<p>其他要求：未按要求在开标阶段进行公开的资质、业绩信息，评标阶段不予认可。评标阶段只评审开标阶段已公开的资质、业绩内容，对在开标环节未公开的资质、业绩内容，即使投标文件中提供了也不认可并不再进行评审。</p> <p>Other requirements: Qualification and performance information that is not publicly disclosed during the bid opening stage as required will not be recognized during the evaluation stage. During the evaluation phase, only the qualifications and performance content that have been publicly disclosed during the bid opening phase will be evaluated. For qualifications and performance content that have not been publicly disclosed during the bid opening phase, even if provided in the bidding documents, they will not be recognized and will no longer be evaluated.</p>
16	资格评审（资格、资质、业绩）	信誉要求 Reputation requirements	<p>投标人不应存在第二章投标人须知1.4.3的情形之一</p> <p>The bidder shall not be in any of the circumstances described in Chapter 2 Instructions to Bidders 1.4.3</p>
17	响应性评审	交货地点 Place of delivery	<p>中国境外供应商：CIF天津港或CIP天津机场（或北京机场） 中国境内供应商：海油工程天津临港场地库房</p> <p>Suppliers outside China: CIF Tianjin Seaport or CIP Tianjin Airport (or Beijing Airport) Suppliers in China: COOEC Project Yard in Tianjin</p>
18	响应性评审	交货期 Delivery Schedule	<p>国内交货要求：2025年4月30日前到货海油工程天津临港场地库房。 国外交货要求：2025年3月1日前发运CIF天津港或2025年4月15日前发运CIP天津机场或北京机场。</p> <p>For goods within the PRC custom territory: On or before 30th Apr., 2025 (arrival date to the Project Yard in Tianjin). For goods outside the PRC custom territory: On or before 1st Mar., 2025 (deliver date to CIF Tianjin Seaport), or On or before 15th Apr., 2025 (deliver date to CIP Tianjin Airport or Beijing Airport).</p>
19	响应性评审	投标报价	从中华人民共和国关境内提供的货物：（包括关境内制造的货物、投标截止时间前

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		Bidder ' s quotation	<p>已经进口的货物和投标人拟自行进口后销售给招标人的货物)：          投标报价：完税后现场交货价，应包含所有应缴纳的关税、增值税和其它税费。          交货现场地址：海油工程天津临港场地库房。          投标人报价必须为总包固定价，包含现场技术服务、培训等一切费用（报价格式详见第四章 投标文件格式）。现场技术服务截止时间为合同质保期结束。          For goods offered from within PRC customs territory:          The price of goods quoted Delivered to Construction Site of Tianjin China, including Value Added Tax (VAT) and other taxes already paid or payable to the government of PRC, as well as all customs duties.          The Bidder ' s quotation shall be total fixed price, including on-site technical service charge (onshore/offshore) and training (see the Chapter IV Format of Bidding Documents). The deadline for on-site technical service shall be end of warranty period of the contract.</p> <p>2.从中华人民共和国关境外提供的货物：          投标报价：CIF天津港或CIP天津机杨（或北京机场）(INCOTERMS2020)          For goods offered from outside PRC customs territory:          The price of goods quoted CIF LINER TERMS Tianjin Seaport or CIP LINER TERMS Tianjin Airport(or Beijing Airport), P.R. China(INCOTERMS2020)</p>
20	响应性评审	投标报价货币 Currency for Bidder ' s quotation	<p>1.从中华人民共和国关境内提供的货物：（包括关境内制造的货物、投标截止时间前已经进口的货物和投标人拟自行进口后销售给招标人的货物）：          投标货币：人民币。          The price shall be quoted in CNY for goods and services that the Bidder will supply from within PRC customs territory.</p> <p>2.从中华人民共和国关境外提供的货物：          投标货币：欧元          The price shall be quoted in EUR for goods and services that the Bidder will supply from outside PRC customs territory.</p>
21	响应性评审	其他商务要求 Other Commercial Requirements	<p>Except the above commercial terms marked with an asterisk above, the commercial terms not marked with an asterisk and other commercial terms in the bidding document are all general commercial terms(Including contract terms, for example, if there is a deviation from clause 5.1 of the contract, it will be considered as one deviation). If the general commercial terms deviate for more than 5(not included), it will be regarded as unqualified in the commercial evaluation</p> <p>除了以上加星号的商务条款外，未加星号的商务条款和招标文件中的其他商务条款均为一般商务条款（含合同条款，例如合同第5.1款偏离，则视为1项偏离），一般商务条款偏离超过5项（不包含5项），视为商务评议不合格。</p>
22	响应性评审	第三方及检验证书	<p>投标方负责邀请第三方船级社(DNV or ABS or BV or LR or CCS)审核、监督检查阀门的制造和见证阀门的测试，并承诺在交货时提供第三方检验报告和证书。</p>

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		Third Party and Inspection Certificates	The bidder is responsible for inviting a third-party classification (DNV or ABS or BV or LR or CCS) to review, supervise and inspect the manufacturing of valves, witness the testing of valves, and promise to provide third-party inspection reports and certificates at the time of delivery.
23	响应性评审	新设计阀门性能试验 Performance Testing of Newly Designed Valves	<p>投标人需承诺：            本次招标的各类型规格的水下阀门，投标方已有的性能测试（PR2测试、寿命测试和高压舱测试）不能覆盖的（新设计阀门），须制造样机，按照API 17D和API 6DSS标准要求完成整套PR2测试、寿命测试和高压舱测试，并得到第三方船级社的认证。            进行性能试验和其它特殊试验的样机不得按产品交付给招标方。</p> <p>Bidder shall promise:            The various types and specifications of subsea valves in this tender, which cannot be covered by the existing performance tests (PR2 test, life test, and high-pressure chamber test) of the bidder (newly designed valves), must manufacture prototypes, complete the complete set of PR2 test, life test, and high-pressure chamber test in accordance with API 17D and API 6DSS standards, and obtain certification from a third-party classification society.            Prototypes for performance testing and other special tests shall not be delivered to the tenderer as products.</p>
24	响应性评审	设计寿命及水深 Design Life and Water Depth	<p>投标人需承诺：            设计寿命30年，适用水深为200m(18" SSIV),750m(18" ball valve)</p> <p>Bidder shall promise:            Design Life 30 years; Water Depth 200m for 18"SSIV, 750m for 18" Ball Valve</p>
25	响应性评审	设计/测试标准 Design / Test Standard	Bidder shall promise: API 6DSS Supplemented With API 6D, API 6A, API 17D
26	响应性评审	压力等级 Pressure Ratings	<p>Bidder shall promise:            18" SSIV:ASME Class 2500 (Full pressure design)            18" ball valve : ASME Class 2500 (Full pressure design)</p>
27	响应性评审	温度等级 Temperature Ratings	<p>Bidder shall promise:            18" SSIV:Temp U (-18 C~121 C)            18" ball valve:Temp P+U (-29 C~121 C)</p>
28	响应性评审	产品规格等级 Product Specification Level	Bidder shall promise: Apply PSL 3G
29	响应性评审	安全完整性等级 Safety Integrity Level	Bidder shall promise to provide SIL 2(18" SSIV) certificate at the time of delivery.
30	响应性评审	阀门类型，各侧的密封类型	Bidder shall promise: Apply SPE (upstream)/DPE (downstream)

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		Valve sealing type on each side	
31	响应性评审	潜水员/ROV操作界面 Diver/ROV operation interface	Bidder shall promise: Apply ISO 13628-8 Class 4
32	响应性评审	18"SSIV液压操作类型 18"SSIV Hydraulic Operated Type	投标人需承诺： 液压控制，单作用型式, API 17D Bidder shall promise: Hydraulic Control, Single Acting Type, API 17D
33	响应性评审	阀门端部 End Connection	投标人需承诺：对接焊 Bidder shall promise: BW(Butt Welded)
34	响应性评审	阀体/盖，球体或闸板，阀杆，阀座和螺栓/螺母材质，碳化钨涂层，阀座和闸板密封，阀座和球的密封，阀体和盖的密封。 Valve body/bonnet, ball or gate, valve stem, valve seat and bolt/nut material, tungsten carbide coating, valve seat and gate sealing, valve seat and ball sealing, valve body and bonnet sealing	投标人需承诺：满足阀门数据表中的规定。 Bidder shall promise: Must meet the requirements specified in the valve data sheet.
35	响应性评审	泄漏等级 Leakage Level	Bidder shall promise: Apply Hydro- PSL3G with hydro-rate B, ISO 5208
36	响应性评审	限位开关 Limit Switches	投标人需承诺：本地指示和远程指示，有2个限位开关(1个开，1个关)。 Bidder shall promise: Local Indicator and remote indication, There are 2 off limit Switches (1 off open, 1 off closed).
37	响应性评审	阀门方向 Valve Direction	水平管道，垂直阀杆。 Horizontal pipeline, Vertical valve stem.
38	响应性评审	阀门及配件供货	阀门及配件供货数量及范围需满足采办料单的要求。

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		数量及范围 Quantity and Scope of Valves and accessories	The quantity and scope of supply for valves and accessories must meet the requirements of the purchase material list.
39	响应性评审	阀门位置指示器 Valve Position Indicator	视觉指示器在水下环境下应是高能见度的，潜水员可见"O"和"S"位置。 Visual indicators should have high visibility in underwater environments, and divers should be able to see the "O" and "S" positions.
40	响应性评审	界面接口 Interface	投标人需承诺：遵循ISO 13628-8图18 Bidder shall promise: Shall apply ISO 13628-8 Figure 18
41	响应性评审	延长杆 Extension Shaft	投标人需承诺： Bidder shall promise: 18"ball valve: 延长杆处于招标阶段，基本项无延长杆；备选项延长杆最长2m。延长杆的长度有待确认，在投标阶段请分别报价投标。 The basic case is no extension shafts, and the alternative case is 2m max. extension shafts in tender stage. The length of the extension shaft is to be confirmed. Bid separately at the bidding stage. 18" SSIV:延长杆处于招标阶段，基本项无延长杆；备选项延长杆最长1m。延长杆的长度有待确认，在投标阶段请分别报价投标。 The basic case is no extension shafts, and the alternative case is 2m max. extension shafts in tender stage. The length of the extension shaft is to be confirmed. Bid separately at the bidding stage.
42	响应性评审	18"SSIV液压设计压力	Bidder shall promise: 5000psi
43	响应性评审	液控阀门液压控制液型号及执行器清洁度要求 Hydraulic Control Valve Hydraulic Control Fluid Type and Actuator Cleanliness Requirements	Bidder shall promise: 液压控制液型号Hydraulic control fluid type: Castrol Transaqua HT/or HW443R 液压执行器清洁度等级Hydraulic actuator cleanliness level: SAE AS4059 class 6B-F
44	响应性评审	外部设计压力 External Design Pressure	投标人需承诺：1.5倍的外部静水压 Bidder shall promise: 1.5 times external hydrostatic pressure
45	响应性评审	球阀阀座和阀体密封 Ball Valve Seat and	Bidder shall promise: Lip Seal+Compound Lip Seal



序号	评审环节	评审因素	评审标准
		Valve Body Sealing	
46	响应性评审	阀杆密封 Stem Seal	Bidder shall promise: O Ring + Lip Seal + V packing
47	响应性评审	非金属密封材料证书 Certificate of Non-metallic Sealing Materials	所有非金属密封材料应有NORSOK M-710证书。投标人需承诺在交货时提供证书。 All non-metallic sealing materials should have NORSOK M-710 certificate. Bidder shall promise to provide certificates at the time of delivery.
48	响应性评审	承压件材料证书 Material Certificate for Pressure Parts	阀体、袖管、球体、阀杆、阀座、阀盖等其它承压件和工艺湿式部件需提供BS EN 10204 Type 3.2证书。投标人需承诺在交货时提供证书。 BS EN 10204 Type 3.2 certificate is required for other pressure bearing parts and process wet components such as valve bodies, pups, valve ball, valve stems, valve seats, valve bonnets, etc. Bidder shall promise to provide certificates at the time of delivery.
49	响应性评审	涂装系统 Painting System	涂层体系需得到NORSOK M501 NO.7C认证。投标人需承诺在交货时提供证书。 The painting system needs to obtain NORSOK M501 NO.7C certification. Bidder shall promise to provide certificates at the time of delivery.
50	响应性评审	袖管规格尺寸 Specifications and Dimensions of PUP Pieces	Bidder shall promise: 18" SSIV(2 each) : length is 500mm , 18",Carbon with 3mm inconel 625 claded 18" ball valve(8 each) : length is 200mm , 18",Carbon with 3mm inconel 625 claded
51	响应性评审	阀门袖管端部坡口 Valve Pup Piece End bevel	投标人需承诺：阀门厂家需将阀门端部（袖管端部）加工成2mm钝边的30°坡口。阀门袖管端部50mm内需保证，内径公差为±0.8mm，端部垂直度±0.5(最大2mm)，端部椭圆度<1%D，且需保证3mm堆焊层厚度。 Bidder shall promise: The valve manufacturer needs to process the valve end (pup piece end) into a 30° bevel with a 2mm blunt edge. Within 50mm at the end of the valve pup piece must be: with an inner diameter tolerance of ± 0.8 mm, an end perpendicularity of ± 0.5 (maximum 2mm), an end ovality of<1% D, and a 3mm weld overlay thickness.
52	响应性评审	18" Ball Valve's Face to Face Dimension	18" 2500lb球阀face to face的长度最大为1500mm。 The 18" 2500lb ball valve's face to face length is maximum 1500mm.
53	响应性评审	安全完整性等级证书 Safety Integrity Level Certificate	投标人需在投标时提供以往项目尺寸不低于18寸的SSIV的、安全完整性等级不低于SIL2级的认证证书。 Bidder shall provide certificates of SSIV for past project with size no less than 18 inches and safety integrity level no less than SIL2 in bidding documents.
54	响应性评审	其他技术要求 Other Technical	Except the technical terms marked with an asterisk above, the technical terms not marked with an asterisk and other technical terms in the bidding document are all general technical

序号	评审环节	评审因素	评审标准
		Requirements	<p>terms. If the general technical terms deviate from more than 3(not included), it will be regarded as unqualified in the technical evaluation</p> <p>除了以上加星号的技术条款外，未加星号的技术条款和招标文件中的其他技术条款均为一般技术条款，一般技术条款偏离超过3项（不包含3项），视为技术评议不合格。</p>
55	响应性评审	其他要求 Other Requirements	<p>不存在国家法规和招标文件明确否决投标的其它条款和要求。</p> <p>There are no other clauses or requirements that explicitly reject bidding in national regulations and bidding documents.</p>
56	价格评审	是否需要评分：不 需要 是否多轮报价：否 评标价计算规则 ：评标价=算数修正 投标报价	