

INVITATION TO BID

Bidding package No:

VT-4954/25-KT

Title of bidding package:

Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan

Name of the project:

Issued on:

26/01/2025

Issued including Decision:



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BRIEF DESCRIPTION

Part 1. BIDDING PROCEDURES

Chapter I. Instructions to bidders

This Chapter provides information to help bidder in preparation of Bid Proposal. Information includes rules of preparation, submission of Bid Proposal, bid opening, bid evaluation and contract award. Chapter I contains provisions that are to be used without modification.

Chapter II. Bidding data sheet

This Chapter specifies in detail contents of Chapter I for applying for each bidding package.

Chapter III. Bid Evaluation criteria

This Chapter includes criteria for evaluation of Bid Proposal.

Chapter IV. Bidding forms

This Chapter includes forms that bidder shall complete to form a part of Bid Proposal.

Part 2. TECHNICAL REQUIREMENTS

Chapter V. Technical Requirements

This Chapter includes scope, progress of goods supply, technical requirements, drawing for description the specification of goods and related services; contents on inspection and testing of goods (if any).

Part 3. TERMS AND CONDITIONS OF CONTRACT AND CONTRACT FORMS

Chapter VI. General Conditions of Contract

This Chapter includes general conditions applied for all contracts of various bidding packages. Chapter VI contains common provisions that are completed by awarded bidder before contract comes into effect.

Chapter VII. Particular Conditions of Contract

This Chapter includes contract data and specific conditions, which specifies detailed conditions for each contract. Particular conditions of contract are to be modified and supplemented but not to replace general conditions of Contract.

Chapter VIII. Contract forms

This Chapter includes forms which, once completed, shall become integrated part of contract. Templates of contract performance guarantee (Performance Bond) and Advance payment guarantee (if any) are completed by awarded bidder before contract comes into effect.

Part 4. APPENDICES

- Scope of Supply
- Technical requirements
- Technical evaluation criteria
- Other technical documents.... with link for reference (if any).



ABBREVIATION

ITB	Instructions to Bid
BDS	Bid data sheet
GCC	General conditions of contract
PCC	Particular conditions of contract
VND	Vietnam Dong
USD	US Dollar
EUR	European currency



Part 1. BIDDING PROCEDURES

Chapter I. INSTRUCTIONS TO BIDDERS

1. Scope of bid	1.1. Employer as specified in the Bid Data Sheet (BDS) issues this Invitation to Bid for selection of Bidder to implement bidding package for procurement of goods following single-stage one-envelope procedure. 1.2. Title of the bidding package; number, quantity of parts (in case bidding package is divided into many independent parts) belongs to bidding package as specified in BDS.
2. Explanation of terms used in bidding	2.1. The Deadline for bid submission is the deadline for submission bids and is specified in the Invitation to Bid. 2.2. Day refers to Gregorian calendar day, including weekends, holidays, and Tet holidays according to the provisions of labor law. 2.3. Time and day, month on the national bidding network shall be defined time and day, month published the national bidding network (GMT+7).
3. Source of Funds	Source of funding (or method of capital arrangement) for bidding package as specified in BDS .
4. Prohibited acts in bidding	4.1. Offering, giving, receiving or taking a bribe. 4.2. Abusing positions or entrusted power to influence or illegally intervene in bidding process in any form. 4.3. Collusive practice, including: a) Reaching, with or without undue influence, an arrangement or agreement which is designed to let one or more parties to prepare bids for all bidders or to withdraw submitted bids so that one of them will win the bid; b) Reaching an arrangement or agreement on refusal to supply goods or services, or subcontract, or reaching other agreements to limit competition so that one party will win the bid; c) A bidder or investor with appropriate qualifications and experience has submitted a bid and meets the requirements laid down in the Invitation to Bid but deliberately refuses to provide additional documents proving their capacity and experience at the Vietsovpetro's request for clarification of the bid or verification of their submitted documents with the aim of facilitating one party's winning of the bid. 4.4. Fraudulent practice, including: a) Forging or falsifying information and/or documents used in bidding; b) Deliberately providing information and documents which are not accurate or objective in bids or proposals with the aim of falsifying the contractor selection result. 4.5. Obstructive practice, including: a) Destroying, deceiving, altering or concealing of evidence or making false statements; threatening, harassing or intimidating any party to prevent the verification or investigation into a corrupt, fraudulent or collusive practice made with a supervision, inspection or audit authority;

	<ul style="list-style-type: none"> b) Obstructing the competent person, employer, Vietsovpetro, bidders in the course of contractor selection; c) Impeding competent authorities' rights of supervision, inspection or audit of bidding activities; d) Deliberately making false complaints, denunciations or petitions with the aim of impeding bidding process; đ) Acts of violation against laws and regulations on cybersecurity and safety intended to intervene or impede the online bidding process. <p>4.6. Inequality and non-transparency, including:</p> <ul style="list-style-type: none"> a) A bidder of a package or investment project is also the Vietsovpetro or employer or takes charge of performing tasks of the Vietsovpetro or employer of that package or investment project, violating against the regulations stated in Point 5 ITB b) A person or entity concurrently engages in the preparation and appraisal of Invitation to Bid, or RFP of the same package or investment project; c) A person or entity concurrently engages in the evaluation of bids or proposals and the appraisal of the contractor selection result of the same package or investment project; d) A person who is working for the Vietsovpetro/employer directly engages in the contractor selection, or acts as a member of the expert team or appraising team in charge of appraising the contractor selection result, or is a competent person or head of the Vietsovpetro/employer, for a package or investment project for which his/her family relative, as defined in the Law on enterprises, directly submits a bid or acts as the legal representative of a bidder; đ) A bidder submits a bid for a procurement, construction or non-consulting service package for which the bidder is also acting as a consultant on preparation, verification and appraisal of cost estimate, technical design, building drawings and designs, front-end engineering design (FEED); preparation and appraisal of Invitation to Bid; evaluation of bids; inspection of goods; appraisal of contractor selection result; supervision of contract execution; e) A person acts as a bidder for a package of a project or investment project of the Vietsovpetro or employer for which he/she worked and held the executive or managerial position within 12 months from the date of his/her resignation therefrom; g) A supervision consultant also acts as the inspection consultant of the same package; <p>4.7. Unauthorized disclosure of the following information and documents on the contractor/investor selection:</p> <ul style="list-style-type: none"> a) Contents of bidding documents before they are issued as prescribed; b) Contents of Bids, notebooks, minutes of bid evaluation meetings, comments and evaluations for each Bids before publishing contractor selection result; c) Content of request for clarification of Bid proposals of the
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	<p>Vietsovetro and responses of bidders during the evaluation process of Bid proposals before publishing the bidder selection result;</p> <p>d) Report of the Vietsovetro, report of the Expert Group, appraisal report, report of consulting bidder, report of relevant professional authorized organization during the bidder selection process before publishing the bidder selection result;</p> <p>đ) The bidder selection result before being published according to regulation as prescribed;</p> <p>4.8. Illegal transfer of awarded contract:</p> <p>a) The contractor transfers to other contractor(s) a workload of task of the package worth more than 10% of package value; or worth less than 10% of package value but more than 02 million USD (after deducting the workload of the subcontractor's responsibility as declared in the contract), calculated on the signed Contract price.</p>
<p>5. Eligibility of bidders</p>	<p>A bidder that is an organization shall be deemed to be eligible if complying the following requirements:</p> <p>a) It is required to have registration of establishment and operation issued by the competent authority of the country where the bidder is operating.</p> <p>b) It must keep independent accounting records;</p> <p>c) It is not undergoing dissolution process or subject to revocation of enterprise registration certificate, cooperative/cooperative union/ artel registration certificate; is not facing insolvency as prescribed by the law on bankruptcy;</p> <p>d) It must ensure competitiveness in bidding as prescribed in Point BDS;</p> <p>e) It is not being prohibited from participating in bidding;</p> <p>f) It is not liable to criminal prosecution;</p> <p>g) It is not the state of temporary suspension, termination of participation in national bidding network.</p> <p>h) It's name is registered on National bidding network before the grant of approval for contractor selection result as prescribed in BDS.</p>
<p>6. Contents of Invitation to Bid</p>	<p>6.1. The Invitation to Bid consists of Parts 1, 2, 3, 4 accompanied with documents of Bid Proposal amendment as specified in ITB 7 (if any) including as follows:</p> <p>Part 1. Bidding Procedures:</p> <ul style="list-style-type: none"> - Chapter I. Instructions to Bidders (ITB); - Chapter II. Bidding Data Sheet (BDS); - Chapter III. Bid Proposal Evaluation Criteria; - Chapter IV. Bidding Forms. <p>Part 2. Technical Requirements:</p> <ul style="list-style-type: none"> - Chapter V. Technical Requirements. <p>Part 3. Conditions and Forms of Contract:</p> <p>This part includes the terms, conditions, data and forms that constitute the complete contract.</p> <p>Part 4. Appendices</p> <p>6.2. Vietsovetro is not responsible for the preciseness, completeness of the Invitation to Bid, explanation for clarification documents or</p>



	<p>amendment of Invitation to Bid as prescribed in ITB 7 if these documents are not provided by Vietsovpetro. In case of any contradiction, documents issued by Vietsovpetro shall prevail.</p> <p>6.3. The bidder shall examine all instructions, forms, supply requirements and other requirements in the Invitation to Bid for preparation Bid Proposal including all information or documentation as required by the Invitation to Bid.</p>
<p>7. Clarification, Amendment of Invitation to Bid</p>	<p>7.1. The amendment of the Invitation to Bid shall be made as prescribed in BDS prior to the deadline for submission of bid proposal by issuing the written documentation for amendment in accordance with the methods as prescribed in BDS. To give bidders reasonable time in preparing their bid proposal, Vietsovpetro may, at its discretion, extend the deadline for the submission of bid proposals.</p> <p>7.2. Any bidder who needs clarification of the ITB shall send a written request to Vietsovpetro in a minimum period of time as prescribed in the BDS prior to date of Deadline for bid submission in order that Vietsovpetro shall take consideration. After receiving the written request for clarification by the deadline, Vietsovpetro shall make a written clarification response in a minimum period of time as prescribed in BDS, that specifying clarification content request without specifying the name of the requesting bidder, and send it to every bidder who have received the ITB from the Vietsovpetro. If the clarification leads to amendment ITB, Vietsovpetro shall amend the ITB in accordance with ITB 7.1.</p> <p>7.3. If necessary Vietsovpetro hold pre-bidding conference to discuss the contents in Bidding Document in which the bidders are unclear as stipulated in BDS. Vietsovpetro shall send an invitation to the pre-bidding conference to all contractors who have received the Invitation to Bid and post it on the System. The discussion shall be formally recorded as minutes of clarification which shall be sent to all bidders who have bought or acquired Invitation to Bid from Vietsovpetro.</p> <p>7.4. In case the Invitation to Bid is required to be modified after the pre-tender conference, Vietsovpetro shall issue a written document for amendment as specified in ITB 7.1, minutes of pre-bidding conference is not the amendment of Invitation to Bid.</p> <p>7.5. No participation in pre-bidding conference or without a confirmation letter that bidder having participated in pre-bidding conference is not the reason to reject the Bid proposals' bidder.</p>
<p>8. Cost of bidding</p>	<p>The bidder shall bear all costs associated with the preparation and submission of its Bid Proposal. Vietsovpetro shall not be liable for those cost under any circumstances.</p>
<p>9. Language of Bid Proposal</p>	<p>The bid proposal, as well as all correspondence and documents relating to the bid proposal exchanged by the bidder and Vietsovpetro, shall be written in English. Any supporting documents in bid proposal can be written in other languages and concurrently attached with translation in English. In case of no translation, if necessary, Vietsovpetro may ask bidder for supplementation of documents.</p>
<p>10. Documents comprising the bid proposal</p>	<p>The Bid Proposal shall comprise of the following:</p> <p>10.1. Application for bidding in accordance with ITB 11;</p>



	<p>10.2. Consortium agreement in case the bidder is Consortium in accordance with Template No.3, Chapter IV – Bidding forms;</p> <p>10.3. Bid Bond, in accordance with ITB 18;</p> <p>10.4. Proof documents for eligibility of bidder in accordance with ITB 5;</p> <p>10.5. Proof documents for eligibility of signatory under the application for bidding, in accordance with ITB 20.3;</p> <p>10.6. Proof documents for capacity and experience of bidder, in accordance with ITB 16;</p> <p>10.7. Technical proposals and proof document for adequacy of goods and related services, in accordance with ITB 15;</p> <p>10.8. Price proposals and price schedules with full information, in accordance with ITB 11, 13;</p> <p>10.9. Proposals of technical alternatives, in accordance with ITB 12 (if any);</p> <p>10.10 Other contents as specified in BDS.</p>
11. Application for bidding form and price schedules	The application for bidding form and respective price schedules shall be prepared using the relevant forms furnished in Chapter IV, Bidding Forms.
12.Proposals of technical alternatives	<p>12.1. In case Invitation to Bid stipulates in BDS for probability of technical alternatives, then those technical alternatives shall be considered.</p> <p>12.2. Technical alternatives are only considered when main solution meets requirements and bidder is ranked first. In this case, bidder shall provide all information necessary for evaluation of the alternatives by Vietsovpetro, including: notes, drawings, technical specifications, progress of supply, costs and other relevant information. The evaluation of technical alternatives in accordance with Section 5, Chapter III.</p>
13.Biding prices and discounts	<p>13.1.Bidding price stated in the Application for bidding and in the bidding price tables with discounts must comply with the regulations as specified in this Section:</p> <p>a) The bidding prices means the price stated in Application for bidding, including all costs for implementation of bidding package (not including discounts).</p> <p>b) In case the bidding packages is not devided into independent parts, on condition that bidder offers discount, this can be offered directly in Application for Bidding or put in separate letter for discount. Bidder has to specify the content of discount and details of discount allocation into specific items in columns of “List of goods”, “Services description”. In case details are not provided, the discount is assumed to apply uniformly for all items in the columns of “List of goods”, “Services description”. Letter for discount (if any) can be submitted with Bid Proposal or separately provided that Vietsovpetro receive prior to Deadline for bid submission.</p> <p>c) Bidder shall submit Bid Proposal for all work described in ITB 1.1 and offer unit prices, extended amount for work specified in columns of “List of goods”, “Services description” in accordance with respective template prescribed in Chapter IV – Bidding forms.</p> <p>In case columns “Unit price” and “Extended amount” are not offered or offered “0”, it is assumed that bidder allocates prices of these goods and services into others prices of those in bidding package, bidder is responsible</p>

	<p>to provide goods, services in accordance with requirements of Invitation to Bid and not receive payment from Vietsovptero during implementation of contract. Bidder is required to offer prices in each Price schedules as prescribed in BDS.</p> <p>13.2. In case bidding package is divided into independent parts and bidder is allowed bidding in each part specified in BDS, bidder is able to bid for one or many parts of bidding package. Bidder has to bid all work of such part which the bidder attends. Should the bidder offer discount, bidder shall specify details and prices of discount in each part as per ITB 1.2.</p> <p>13.3. The bidder shall be responsible for the bidding price quoted to perform and complete the work in accordance with the requirements as stated in the Invitation to Bid. In case the bidder offer a low unit price in abnormal manner which affecting to the quality of the bidding package, the Vietsovpetro may require the bidder to clarify the feasibility of such abnormal unit price.</p> <p>13.4. Bidder's bidding price quoted shall include all taxes, fees and charges (if any) in response to tax rates, expenses, fees at the time of 28 days prior to the stipulated deadline for bid submission. In case bidders announce bidding prices not including taxes, fees, charges (if any), bidders' Bid Proposal shall be rejected.</p> <p>13.5. Bidders offer the bidding price as stipulated in BDS.</p>
<p>14.Currencies of Bid and Payment</p>	<p>14.1 The currency of the bid shall be offered in <i>VND/ USD/ EUR</i>. Cost incurred inside Vietnam shall be offered in VND. Cost incurred outside Vietnam shall be offered in <i>VND/ USD/ EUR</i>. Bidders have to offer by only one currency for a specific work. In case bidding price is offered in foreign currency, bidder has to prove that the respective work has been using foreign currency.</p> <p>14.2 The currency of payment for work items shall correspond with the currency of bid for those items. Domestic costs are only paid in VND.</p> <p>14.3 The currency for conversion of different bidding prices from various currencies into unique currency for evaluation and comparison is: VND/USD applying the selling rate stated by Vietcombank on the date when the bid is closed. If all bidding prices are in foreign currency, then bid evaluation and comparison shall be done in USD. In the event that one of bidding prices is in VND, then bid evaluation and comparison shall be done in VND.</p> <p>14.4 Without prejudice to any terms mentioned above and relevant applicable laws, contract currency for domestic bidders shall be in VND, applying the selling rate stated by Vietcombank on the date when the bid is closed.</p>
<p>15.Documents establishing the conformity of the Goods and Related Services</p>	<p>15.1. To establish the eligibility of the goods and related services in accordance with Invitation to Bid, the bidder shall furnish as part of its Bid Proposal the documentary evidence that the goods conform to the technical specifications and standards specified in Chapter V.</p> <p>15.2. The term "Goods" is construed including but not limited to machinery, equipment, raw materials, fuel, materials, supplies, accessories; consumables; medical supplies used for medical establishment.</p> <p>15.3 The term "origin" shall mean as country or territory where produces whole goods or implements final basic processing in case many</p>



	<p>countries or territories take part in production process of those goods.</p> <p>15.4 The term “Related Services” including but not limited to the Services such as: warranty, maintenance, overhaul, repair, supply of spare parts or supply of other after sales services like training, technology transfer...</p> <p>15.5. The documentary evidence responsiveness of the goods and related services may be in the form of documents, drawings, data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the goods and related services, demonstrating substantial responsiveness of the goods and related services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Chapter V.</p> <p>15.6. The bidder shall also provide a list giving full particulars, current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods during the period specified in the BDS following commencement of the use of the goods.</p> <p>15.7. Standards for manufacturing, production process of material and equipment, as well as references to brand names or catalogue numbers specified by Vietsovpetro in the Chapter V, are intended to be descriptive only and not restrictive to bidder. The bidder may offer other standards of quality, brand names, catalogue numbers, provided that it demonstrates, to Vietsovpetro’s satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Chapter V.</p>
16. Documents establishing the capacity and experiences of the bidder	<p>16.1. The bidder shall provide necessary information in templates in Chapter IV – Bidding Forms in order to demonstrate capacity and experiences for performance of contract as specified in Chapter III – Bid Proposal evaluation criteria. The bidder shall prepare original documents for verification with information stated in bidder’s Bid proposal if Vietsovpetro requires.</p> <p>16.2. The documentary evidence of the bidder’s capacity to perform the contract if its bid proposal is awarded as specified in BDS.</p>
17. Period of validity of Bid Proposal	<p>17.1. Bid Proposal shall remain valid not shorter than the period specified in the BDS.</p> <p>17.2. In exceptional circumstances, prior to the expiration of the bid proposal’s validity period, Vietsovpetro may request bidders to extend the period of validity of their Bid Proposal. The Bid Bond as also requested shall be extended for 30 days beyond the deadline of the extended validity period. If a bidder refuses to extend its Bid Proposal validity as required, the Bid Proposal shall not be further considered and the Bid Bond shall be returned to bidder. The bidder have accepted Vietsovpetro’s extension request shall not be permitted to modify any contents of its Bid Proposal. The extension request and acceptance or non-acceptance shall be in writing.</p>
18. Bid Guarantee	<p>18.1. When attending the bid, prior to deadline for bid submission, the bidder shall implement bid guarantee and attach it to Bid proposal under the following forms:</p> <p>i) a form unconditional guarantee issued by a bank or financial institution which is legally operating in Vietnam or foreign bank branches established under Vietnamese law;</p>



ii) submit a certificate of insurance guarantee issued by a domestic non-life insurance enterprise, or branch of a foreign non-life insurance enterprise established under the Vietnamese law.

iii) pay a deposit or bank transfer to VSP's account as specified in **BDS** 18.2.

In case the validity of Bid proposal is extended as specified in ITB 17.2, the Bid bond's validity shall be accordingly extended. In case of consortium bidder, all partners of consortium shall implement the same form of Bid bond.

In case of Consortium, the Bid Bond shall comply with one of the following:

a) Each Consortium partner shall provide a separate Bid Bond; however, the aggregate amount of Bid Bond submitted by all Consortium partners is not less than the required amount specified in ITB 18.2. If the Bid Bond of any Consortium partner is determined to be invalid, the bid of the Consortium shall not be considered and evaluated further. If any Consortium partner is in breach of the rules resulting in without return of Bid Bond in accordance with point b ITB 18.5, then Bid bond of all Consortium partners shall not be returned.

b) All partners of the Consortium shall nominate one partner to arrange a single Bid Bond for itself and all other partners in the Consortium. In this case, the Bid Bond shall be in the name of the Consortium or the name of the partner who arranges the Bid Bond for the entire Consortium provided that the total amount is not less than the required amount in BDS of ITB 18.2. If any Consortium partner is in breach of the rules resulting in without return of the Bid Bond in accordance with ITB 18.5, the Bid Bond shall not be returned.

18.2. Amount, currency and valid period of the Bid Bond shall be as specified in the **BDS**.

18.3. The Bid Bond shall be considered illegitimate in one of following cases: having lower value, with shorter valid period as specified in ITB 18.2, incorrectly states the name of the beneficiary, not original and without legitimate signature, signed before Vietsovpetro issues the Invitation to Bid or accompanied with adverse condition for Vietsovpetro (including not fully committed with content of the Bid Bond Forms – 04A, 04B, 04C in Chapter IV). In case of using a letter of guarantee or certificate of insurance, the letter of guarantee or certificate of insurance must be provided, signed and stamped (if applied) by one of the following: a lawful representative of a domestic credit institution, a branch of a foreign bank established under Vietnamese law, a domestic non-life insurance enterprise, a branch of foreign non-life insurance enterprise established under Vietnamese law. In case of using a letter of guarantee (of deposit/transfer to Vietsovpetro's account), the letter must be signed and stamped by the legal representative of the contractor.

18.4. Unsuccessful bidder shall be returned or released the Bid Bond in the maximum duration specified in the **BDS** since the date for notification of result of selecting bidder. For successful bidder, the Bid Bond shall be returned or released after the bidder furnishes the contract performance guarantee.

18.5. The Bid Bond shall not be returned in one of following cases:

a) After the deadline for submission of bids and during the validity period of the bid, the bidder withdraws their Bid proposals or gives a written refusal to perform one or some tasks proposed in their Bid proposals in

	<p>accordance with the requirements laid down in the Invitation to Bid;</p> <p>b) The bidder performs any of the prohibited acts specified in Point 4 ITB or commits violations of the bidding law resulting in bid cancellation as prescribed in Point 32 ITB;</p> <p>c) The successful bidder fails to furnish the required performance security as prescribed Point 37 ITB; The first ranked bidder is invited to negotiate the Contract. Within seven (07) days from the date of receipt of the invitation to negotiate the Contract from Vietsovpetro, the bidder does not come to negotiate or refuses to negotiate the Contract or offers conditions different from the content in the Bid Proposals or withdrawing commitments in the Bid Proposals resulting to unsuccessful Contract negotiations, the Bid bond shall be not returned to bidder, except in cases of force majeure;</p> <p>d) The bidder fails or refuses to complete the Contract within twenty (20) days from the date of receipt of notification of Bid award from Vietsovpetro, except in cases of force majeure.</p> <p>e) The bidder refuses to sign the Contract within ten (10) days from the date of completion of the Contract, except in cases of force majeure.</p> <p>18.6. In case the Invitation to Bid is divided into independent parts, bidder may submit the bid bond in either of the two ways as follows:</p> <p>a) A bid bond for all parts that bidder participate in the bidding (the value of bid bond will be equal to the total values of the parts that bidder takes part in). Where the value of bid bond submitted by the bidder is less than the total of values, Vietsovpetro is entitled to decide the application of such bid bond to the parts that bidder takes part in;</p> <p>b) Separated bid bonds for each part that bidder takes part in the bidding.</p> <p>Where the bidder's breach results in a failure to refund the bid bond as stipulated in section ITB 18.5, the failure to refund the value of bid bond shall be calculated on the part violated by the bidder.</p>
<p>19. Deadline for bid submission</p>	<p>19.1. The deadline for bid submission is the time specified in the BDS.</p> <p>19.2. Vietsovpetro may at its discretion, extend the deadline for the submission of Bid Proposal by amending the Invitation to Bid in accordance with ITB 8, in which case all rights and obligations of Vietsovpetro and bidders previously subject to the deadline shall thereafter be subject to the new deadline as extended.</p> <p>19.3 The bidder submits directly or delivers the Bid Proposal to Vietsovpetro address provided that it arrives before deadline for submission of bid specified in the BDS. Vietsovpetro receive Bid Proposal of all bidders before deadline for submission of bid, including even if bidder has not bought or received the Invitation to Bid from Vietsovpetro. In such case, the bidder shall pay an amount equal to the selling price of the Invitation to Bid to Vietsovpetro account prior to the Bid Proposal is received and before the deadline for bid submission.</p>
<p>20. Submission, Withdrawal, substitution, and amendment of Bid Proposal</p>	<p>20.1. The bidder shall prepare Bid Proposal comprising: one original as specified in ITB 10 and some copies with amount mentioned in the BDS. The cover of dossier shall be marked clearly “ORIGINAL OF BID PROPOSAL”, “COPY OF BID PROPOSAL”.</p> <p>In case of amendment, alternative of Bid Proposal, the bidder shall prepare one original and some copies of dossier with amount specified in the BDS. The cover of dossier shall be marked clearly “ORIGINAL OF AMENDED BID PROPOSAL”, “COPY OF</p>



	<p>AMENDED BID PROPOSAL”, “ORIGINAL OF ALTERNATIVE”, “COPY OF ALTERNATIVE”.</p> <p>In case of technical alternative in the Bid Proposal specified in ITB 12, the bidder shall prepare one original and some copies with amount mentioned in BDS. The cover of dossier shall be marked clearly “ORIGINAL OF TECHNICAL ALTERNATIVE”, “COPY OF TECHNICAL ALTERNATIVE OPTION”.</p> <p>20.2. Bidders shall be responsible for the appropriateness of the copies compared to the original. In case of deviation between original and copy but without changing the bidder ranking, the original shall be used for evaluation. In case of deviation between original and copy leading to different results in evaluation of original and the copy, and resulting change in the bidder ranking, the Bid Proposal of that bidder shall be rejected.</p> <p>20.3. The original of Bid Proposal shall be typed, printed with inerasable ink, with continuous page numbers. The application for bidding form letter, letter of discount (if any), supplementary documents, clarifying the Bid Proposal, price offer list and other forms in Chapter IV – Bidding forms shall be signed and stamped by the bidder's legitimate representative or the bidder’s legitimate attorney (if any), in case of attorney, letter of attorney specified in Template 02, Chapter IV – Bidding forms or certified copy of company charter, decision on establishment of branch or other documents to demonstrate power of attorney shall be submitted with the Bid Proposal.</p> <p>20.4. In case of Consortium bidders, Bid Proposal shall be signed by legal representative of all partners in Consortium or legal partner representating Consortium bidders according to Consortium agreement. In order that all partners of Consortium to be legally bound, Consortium agreement must be signed by legal representatives of all partners of Consortium.</p> <p>20.5. Any words added, written between lines, erased, overwritten shall only be deemed legitimate if having signature nearby or in that page of signatory on the application for bidding letter.</p> <p>20.6 The envelope of Bid Proposal comprises of original and copies, duly marking “BID PROPOSAL”.</p> <p>In case of amendment, alternative of Bid Proposal, then the amended, alternative document (including original and copies) shall be placed in separated envelopes other than the envelope for Bid Proposal, clearly marking “AMENDMENT OF BID PROPOSAL”, “ALTERNATIVE BID PROPOSAL”.</p> <p>In case the bidder proposes an alternative technical plan, the entire alternative technical plan, including technical proposals and price proposals, must be contained in separate envelopes from the Bid Proposal envelop, the outside must clearly state "PROPOSED ALTERNATIVE TECHNICAL OPTION".</p> <p>The envelopes: for Bid Proposal; amended Bid Proposal, proposed alternative technical options (if any) must be sealed. Sealing method is according to the bidders' own regulations.</p> <p>20.7. The envelopes shall:</p> <ol style="list-style-type: none"> a) bear the name and address of the bidder; b) be addressed to Vietsovpetro in accordance with BDS;
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	<p>c) bear title of bidding package in accordance with ITB 1.2;</p> <p>d) bear a warning “not to open before the time and date for bid opening”.</p> <p>20.8. The bidder shall be responsible for aftermath or disadvantages if is not in accordance with this Invitation to Bid such as not sealing or losing seal of Bid Proposal during delivery to Vietsovpetro, not marking right information on envelopes of Bid Proposal as specified in ITB 20.6 and ITB 20.7. Vietsovpetro shall not be responsible for confidentiality of information in Bid Proposal if the bidders do not comply with above requirements.</p> <p>20.9. Vietsovpetro shall not consider any Bid Proposals submitted after the Deadline for bid submission. Any Bid Proposals received by Vietsovpetro after the Deadline for bid submission shall be declared late submission, be rejected and be returned unopened to the Bidder.</p> <p>20.10. After submitting the Bid Proposals, the Bidders may amend, replace or withdraw the Bid Proposals by sending a written notice signed by the bidder's legal representative, in case of attorney, a power of attorney letter must be enclosed as prescribed in ITB 20.3. Dossier for amendment or replacement of Bid Proposal must be enclosed with a written notification of the corresponding amendment, replacement and must ensure the following conditions:</p> <p>a) Being prepared by the Bidders and being submitted to the Vietsovpetro in accordance with ITB 20, the dossier containing the notification must be clearly stated "AMENDMENT OF BID PROPOSAL" or "SUBSTITUTION OF BID PROPOSAL" or "WITHDRAWAL OF BID PROPOSAL ";</p> <p>b) Being received by Vietsovpetro before the Deadline for bid submission as stipulated in ITB 19.</p> <p>20.11. The Bid Proposals which the bidder requests to withdraw in accordance with ITB 20.10 shall be returned unopened to the bidder.</p> <p>20.12. The Bidder is not allowed to modify, replace or withdraw the Bid Proposal after the Deadline for bid submission until the expiration of the Bid Proposal's validity as stated in the application for bidding form letter or until the expiration of the extended validity of the Bid Proposal.</p>
<p>21. Bid opening</p>	<p>21.1. Except in the cases specified in ITB 20, Vietsovpetro shall publicly open and read out, clearly information in accordance with ITB 21.3 of all Bid Proposal received before the deadline for submission of bids. The bid opening shall take place publicly at time and place specified in the BDS in the presence of bidders and representatives of related organizations. The bid opening does not depend on presence or absence of bidders' representatives attending the bid.</p> <p>21.2. In case bidder requests withdrawal or substitution of Bid Proposal, Vietsovpetro shall firstly open and read out clearly information in envelope of which outer notification marks “WITHDRAWAL OF BID PROPOSAL”, the envelope of Bid Proposal of bidder with request for withdrawal shall remain sealed and be returned unopened to Bidder. Vietsovpetro shall not accept the Bidders' withdrawal of the Bid Proposal and still open such the Bid Proposal if the written notice of "Withdrawal of Bid Proposal" does not include documents providing that the person signing such documents is the bidder's legal representative and must be publicly announced during the bid opening.</p>



	<p>Next, Vietsovpetro shall open, read out clearly information in envelope of which outer notification marks “SUBSTITUTION OF BID PROPOSAL” and this shall be replaced with the previous. This previous shall not be opened and be returned unopened to bidder. Vietsovpetro shall not accept the bidder to replace the Bid Proposal if the written notice of Bid Proposal replacement is not accompanied by documents proving that the person signing the document is the bidder's legal representative and must be made public during the bid opening.</p> <p>For envelope with notification marked “SUBSTITUTION OF BID PROPOSAL”, any attached notification document accompanied with amended Bid Proposal shall be opened, read out clearly. Vietsovpetro shall not accept the bidder to amend the Bid Proposal if the written notice of Bid Proposal’s amendment does not include documents proving that the person signing the document is the bidder's legal representative. Only Bid Proposal opened and read out at the bid opening then shall be considered further and evaluated.</p> <p>21.3 All the Bid Proposals shall be opened one at a time following the alphabetical sequence of the bidders’ names and sequence below:</p> <ol style="list-style-type: none"> a) Examine the seals; b) Open original of Bid Proposal, amendment of Bid Proposal (if any) and read out clearly at least the following information: name of bidder, quantity of originals and copies, bidding price in letter of bid, bidding price in summarized price list, discount (if any), validity of Bid Proposal, date of contract performance, value, validity of Bid Bond and other necessary information. In case bidding package is divided into many independent parts, then bidding prices and discount for each part shall be read out. Only discount read out in bid opening shall be further considered and evaluated; c) Representatives of Vietsovpetro shall countersign in original of letter of bid, Bid Bond, summarized price list, letter of attorney of bidder’s legal representative (if any), letter of discount (if any), Consortium agreement (if any). Vietsovpetro shall not reject any Bid Proposal at the bid opening, except for late submission Bid Proposals as specified in ITB 20. <p>21.4. Vietsovpetro shall prepare a record of the bid opening that shall include information specified in ITB 21.3. The record shall be signed by representatives of Vietsovpetro and bidders attending bid opening. The omission of a bidder’s signature on the record shall not invalidate the contents and effect of the record. The record shall be distributed to all bidders attending the bid.</p>
<p>22. Confidentiality</p>	<p>22.1. Information relating to the evaluation of bids and recommendation of contract award shall not be disclosed to bidders or any other persons not officially concerned with the bidder selection process until publication of result of bidder selection. Under no circumstances, is the information in Bid Proposal revealed to any other bidders, except for the information that need disclosing during the bid opening.</p> <p>22.2. Except for the case of enquiries for clarification of Bid Proposal and comparing documents, bidder is not allowed to contact with Vietsovpetro for issues related to bidder’s Bid Proposal and other relevant issues of bidding package during the time from bid opening until the result of tendered selection is published.</p>



<p>23. Clarification of Bid Proposal</p>	<p>23.1. After bid opening, the bidder shall be responsible to clarify the Bid Proposal if required by Vietsovpetro, including eligibility, capacity and experiences of the Bidder. In terms of technical, financial proposal in bidder's Bid Proposal, the clarification shall comply with the principle of not changing the basic content of the submitted Bid Proposal and not changing the offered bidding price.</p> <p>23.2. During the evaluation process, clarification of Bid proposal between Bidders and Vietsovetro is performed directly in written.</p> <p>23.3. Clarification of Bid Proposals is only performed between the Vietsovpetro and Bidder whose Bid Proposals need to be clarified. In terms of clarification contents that directly affect evaluation of eligibility, capacity, experiences, technical requirement, financial issues, if period of clarification exceeds deadline and bidder does not submit documentation for clarification or submitted documentation does not comply with requirements of clarification from Vietsovpetro, Vietsovpetro shall evaluate based on the Bid Proposal submitted before deadline for bid submission. Vietsovpetro shall give the Bidder a reasonable period of time to clarify the Bid Proposal.</p> <p>23.4. In case after deadline for submission of bids, the bidder knowing that the Bid Proposal it has submitted falls short of documents establishing its eligibility, similar contracts, production capacity, financial reports, tax declaration and payment obligations, documents on personnel, specific equipment proposed in its Bid Proposal may provide such evidence to the Procuring entity within a period of time specified in the BDS. The Procuring entity shall receive, consider and evaluate the bidder's additional and clarifying documents, which shall be considered as part of the Bid Proposal.</p> <p>23.5. In case of any inconsistencies in the Bid Proposal's content or on the condition that the content is unclear, Vietsovpetro request clarification toward the bidder based on compliance as specified in ITB 23.1.</p> <p>23.6. In case of doubt about the authenticity of documents provided by the Bidder, Vietsovpetro shall verify with organizations and individuals related to the content of the documents.</p> <p>23.7. In case the Invitation to Bid requires the commitment, Contract Principles for equipment rental, main material supply, warranty, upkeep and maintenance, but such documents are not enclosed in the Bid Proposals, Vietsovpetro shall request Bidders to clarify their Bid Proposals and supplement documents within an appropriate period of time but not less than 03 working days as a basis for evaluation of Bid Proposals.</p>
<p>24. Deviations, Imposing Conditions and Omissions</p>	<p>During the evaluation of bid proposal, the following definitions apply:</p> <p>24.1. "Deviation" is a difference from the requirements specified in the Invitation to Bid;</p> <p>24.2. "Imposing Conditions" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Invitation to Bid;</p> <p>24.3. "Omission" is the Bidder's failure to submit part or all of the information or documentation required in the Invitation to Bid.</p>
<p>25. Determination of responsiveness</p>	<p>25.1. Vietsovpetro's determination of a responsiveness of Bid Proposal is to be based on the contents of the Bid Proposal itself, as defined in ITB 10.</p> <p>25.2. A substantially responsive Bid Proposal is one that meets the requirements of the Invitation to Bid without material deviations,</p>



	<p>conditions, or omissions. A material deviation, reservation, or omission is one that:</p> <p>a) If accepted, would affect in any substantial way the scope, quality, or performance of the goods and related services; limit in any substantial way, inconsistent with the Invitation to Bid, Vietsovpetro’s rights or the bidder’s obligations under the contract;</p> <p>b) If rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive Bid proposal that meet the requirement of the Invitation to Bid.</p> <p>25.3. Vietsovpetro shall examine the technical aspects of the Bid Proposal submitted in accordance with ITB 15 and ITB 16, in particular, to confirm that all requirements of the Invitation to Bid have been complied without any material deviation or reservation, or omission.</p> <p>25.4. If the Bid Proposal is not substantially responsive to the requirements of Bidding Document, it shall be rejected; not being allowed to deviations, reservation conditions or omission of basic content in such Bid Proposal with the purpose of making Bid Proposal to be met substantially responsive to the requirements of Bidding Document.</p>
<p>26.Nonmaterial mistake</p>	<p>26.1. Provided that a Bid Proposal is substantially responsive, Vietsovpetro may waive any mistakes in the bid proposal that not to be a material deviation, reservation or omission.</p> <p>26.2. Provided that a bid proposal is substantially responsive, Vietsovpetro may request that the bidder submits the necessary information or documentation, within a reasonable period of time, to rectify inappropriate points or nonmaterial mistake in the bid related to documentation requirements. The request for provsion of information and documentation to rectify such mistakes shall not be related to any aspect of the bidding price. Failure of the bidder to comply with the request may result in the rejection of its Bid Proposal.</p> <p>26.3 Provided that a bid proposal is substantially responsive, Vietsovpetro shall rectify quantifiable nonmaterial mistakes related to the bidding price; the bidding price shall be adjusted to reflect the price of a missing or non-conforming item or component; this adjustment is for comparison purposes only.</p>
<p>27.Sub-contractor</p>	<p>27.1. Sub-contractors are organizations, individuals signing contracts with the bidders to perform related services.</p> <p>27.2. Requirements of Subcontractors are specified in BDS.</p> <p>27.3. Sub-contracting will not change the bidder’s responsibilities. The bidders shall be responsible for the workload, quality, progress and other responsibilities for the parts of the contract carried out by the subcontractors. Sub-contractors’ capacity and experiences shall not be considered in evaluation of the Bidder’s Bid proposal. The bidder itself must comply with capacity criteria (no consideration of sub-contractors’ capacity and experiences).</p> <p>27.4. The bidder may sign contracts with sub-contractors according to the list of sub-contractors stated in the Bid Proposal or signing contracts with sub-contractors approved by Vietsovpetro to participate in performing the work.</p> <p>27.5. The bidders is not allowed to utilize the sub-contractors to carry out the tasks other than the tasks of the subcontractors mentioned in the Bid Proposal; the replacement or addition of sub-contractors other than the list of sub-contractors prescribed in the Bid Proposal shall only be carried out</p>



	<p>when there is a valid and appropriate reason and is approved by Vietsovpetro; in case sub-contractors are utilized to carry out the tasks other than the tasks listed in the Bid Proposal that using a sub-contractor with a value of 10% or higher (after deducting the work part of the sub-contractor's responsibility) calculated on the contract price signed, as an act of "bid transfer".</p>
<p>28. Bid preferences in the selection of bidder</p>	<p>28.1. Rules of bid preferences: Bidders shall be granted preferential treatment when supplying goods of which costs for domestic production occupy 25% or higher.</p> <p>28.2. Bid preferences are applied during evaluation process for comparing and rating Bid Proposal: Goods are eligible for bid preferences provided that bidders prove that domestic production costs account for above 25% of total price. Percentage (%) of domestic production cost of goods is calculated according to the following formula: D (%) = G*/G (%) Where: - G*: Domestic production cost calculated by quoted price of goods defined in the Bid Proposal which subtracts tax values and external costs, inclusive of fees and charges (if any); - G: Quoted price of goods defined in the Bid Proposal subtracting tax values; - D: Percentage (%) of domestic production cost of goods, D gains the rate of 25%, which can enable goods to receive the bid preferences as regulated in this clause.</p> <p>28.3. Bid preferences calculation is specified in the BDS.</p> <p>28.4. Bidder must declare information about the eligible types of goods for bid preferences according to Forms 15A, 15B and 15C Chapter IV that is on the basis of consideration and evaluation of bid preferences. In case bidders does not declare so, the Bidder's goods are considered not eligible for bid preferences.</p> <p>28.5. In case goods do not receive bid preferences, evaluation and determination of bid preferences shall not be applied.</p> <p>28.6. In case of bidders ranking equally, priority shall be given to those with: - Goods originating from the Socialist Republic of Vietnam and the Russia Federation. - Services/Jobs that employ workers from the Socialist Republic of Vietnam and the Russian Federation.</p>
<p>29. Bid Proposal evaluation</p>	<p>29.1. Vietsovpetro shall apply evaluation criteria listed in this clause and methods of evaluation are specified in the BDS. Any other criteria and methods of evaluation shall not be allowed.</p> <p>29.2. Vietsovpetro shall evaluate directly on the bid proposals submitted by the bidder.</p> <p>29.3. Verify and evaluate eligibility of Bid Proposal: a) The verification and evaluation of eligibility of Bid Proposal as specified in clause 1, Chapter III – Bid Proposal Evaluation criteria; b) Any bidders who have eligibility Bid Proposal shall be further considered and evaluated with respect to capacity and experiences.</p>



- 29.4. Evaluation of capacity and experiences:
- a) Capacity and experiences are evaluated as specified in clause 2, Chapter III – Bid Proposal Evaluation criteria;
 - b) Bidders with satisfactory capacity and experiences shall be considered and evaluated to examine their technical capability.
- 29.5. Technical and price-based evaluation:
- a) Evaluation of technical capability must adhere to the evaluation standards and methods prescribed in Section 3, Chapter III – Bid Proposal Evaluation criteria;
 - b) Bidders who satisfy technical requirements shall be considered to evaluate the price specified in Section 4, Chapter III – Bid Proposal Evaluation criteria.
- 29.6. After price-based evaluation, Vietsovpetro shall make and approve ranking list of bidders. The bidder ranked at the first position in the bidder's ranking list shall be eligible for the contract negotiation. Ranking of bidders shall be made as prescribed in the **BDS**.
- 29.7. In case the Invitation to Bid is divided into independent parts and bidder is allowed bidding in each part prescribed in ITB 1.2, bid evaluation is carried out with those respective parts of the bidder as prescribed in Section 6, Chapter III – Bid Proposal Evaluation criteria.
- 29.8. Principle of Bid proposal's evaluation:
- a) Vietsovpetro evaluate directly based on the bid proposals submitted by the bidder. In case the information committed, declared in the Bid proposal is not truthful, leading to false results of evaluating Bid proposal of the bidder, bidder shall be considered to have committed fraudulent;
 - b) In case there is inconsistency between information of similar contract and supporting documents proving information of such similar contract, Vietsovpetro request bidder to clarify the Bid proposal. In case the contracts declared, enclosed in the Bid proposal that not meeting the requirements of Invitation to Bid or the Bidder does not declare or incompletely declares the similar contracts, Vietsovpetro request the bidder to clarify and supplement the another contract to meet the requirements of the Invitation to Bid within an appropriate period of time but not less than 03 working days. In case the bidder does not have a contract met the requirements of the Invitation to Bid, the bidder shall be disqualified;
 - d) In case the key personnel and key equipment (if any) proposed by the contractor in the Bid proposal not meeting the requirements, Vietsovpetro allow the bidder to supplement or replace. Bidders are only allowed to add or replace each personnel position, equipment once within an appropriate period of time but not less than 03 working days. In case the Bidder does not have the replacement of personnel and equipment that meet the requirements of the Invitation to Bid, the bidder will be disqualified. Under any circumstances, on condition that the Bidder dishonestly declares personnel and equipment, the Bidder is not allowed to substitute other personnel or equipment, the Bidder's Bid proposal shall be rejected and the Bidder shall be considered having committed fraudulent according to regulations with legislation on bidding or other relevant legislation and shall be subject to be handled according to regulations.
 - e) For the origin of the goods, in case there is any inconsistency between the declared information and attached documents, Vietsovpetro request clarification of the Bid proposal;



	<p>f) For contents other than those mentioned in Points a, b, c and d of this Clause, in case there is inconsistency between the information in the original Bid proposal and the copy of the Bid proposal, the information in the original Bid proposal is the basis for review and evaluation;</p> <p>g) At the financial assessment step, in case the Bidder does not declare information in the bid preferences's form for domestically produced goods (for Goods procurement bidding packages) in order that Vietsovpetro have a basis for calculating bid preferences, then Bidder will not receive the bid preferences;</p>
<p>30.Contract negotiation</p>	<p>Contract negotiation shall be stipulated in BDS.</p> <p>30.1. Contract negotiation shall be based on the followings:</p> <ul style="list-style-type: none"> a) Report on evaluation of the Bid Proposal; b) Bid Proposal and bidder's records of clarification of bidding package (if any); c) Invitation to Bid. <p>30.2. Principles of the contract negotiation:</p> <ul style="list-style-type: none"> a) Not negotiating on the contents the bidder offered in accordance with the requirements of the Invitation to Bid. b) While evaluating Bid Proposal and negotiating contract, if realizing the scope of supply/ work, workloads specified in Chapter V – Scope of Supply are insufficient compared with the design documentation, Vietsovpetro shall request bidder to add supplement scope for this insufficient part, on the basis of the quoted price; if the Bid Proposal has not provided the unit price, Vietsovpetro shall consider and decide on applying the unit price approved estimated price for these scope of work/ inadequate workloads compared to the design documentation or the unit price quoted by other bidders who have passed the technical evaluation if this unit price is lower than the approved unit price in the estimated bidding package; c) When negotiating a contract for the deficient deviation, if the Bidder's bid proposal does not have a unit price corresponding to the deviation, the lowest bid unit price among other bidders' bid proposals that meet the technical requirements must be taken or taking the unit price in the approved estimate if this is the only bidder who passes the technical evaluation step as a basis for negotiating that deficient deviation. <p>30.3. Contents of contract negotiation:</p> <ul style="list-style-type: none"> a) Unspecified, inappropriate and inconsistent contents between Invitation to Bid and Bid Proposal, between different contents in the Invitation to Bid may lead to incidents, disputes or impact on the contractual obligations of contracting parties; b) Deviations that have been found by the Bidder and Bidder's recommendations (if any), including proposal of amendment or technical alternatives which Bidder is allowed to provide according to relevant bidding regulations;



	<ul style="list-style-type: none"> c) Any issue that arises during the selection of Bidder (if any) in the aim of completing detailed contents of the bidding package; d) Nonmaterial omissions specified in ITB 30; đ) Other necessary issues. <p>30.4. During contract negotiation, negotiating parties must proceed to draft and complete the official agreement, detailed terms and conditions and annexes that determine detailed list of scope of supply, price list and progress of supply.</p> <p>30.5. If the negotiation fails, Vietsovpetro shall consider, decide to invite the bidder who is ranked at the next positions for contract negotiation; if the successive negotiations also fail, Vietsovpetro shall report to the Investor to consider, decide the bidding cancellation as regulated in point a, ITB 32.1</p>
<p>31. Conditions for recommendation as the awarded bidder</p>	<p>Bidder shall be considered for recommendation as the winning bidder upon satisfying the following conditions:</p> <ul style="list-style-type: none"> 31.1. Having Eligibility Bid Proposal as prescribed in Section 1, Chapter III; 31.2. Having capacity and experiences satisfying requirements as prescribed in Section 2, Chapter III; 31.3. Having technical proposals satisfying requirements as prescribed in Section 3, Chapter III; 31.4. Having deficient deviation not exceeding 10% of bidding price; 31.5. Meeting requirements specified in the BDS; 31.6. The bidder has the proposed price award (including taxes, fees, charges (if any) not exceeding the approved bidding package price. If the approved estimated budget of bidding package is lower than or higher than the approved bidding package price, this estimate shall replace the bidding package price as basis for consideration for recommendation as the winning bidder.
<p>32. Bidding cancellation</p>	<ul style="list-style-type: none"> 32.1. Vietsovpetro shall notify the bidding cancellation in following cases: <ul style="list-style-type: none"> a) All Bid Proposals fail to satisfy the requirements of the Invitation to Bid; b) Change of the objectives, scope of procurement resulting in changes in volume of work and evaluation criteria stated in the Invitation to Bid at Vietsovpetro's decision; c) The Invitation to Bid fails to comply with legislation on bidding or other relevant legislation that lead to the failure of the selected bidder to meet requirements for performing bidding package; d) The award bidder commits prohibited acts specified in section 4 prohibited acts - Chapter I Instructions to Bidders. e) Organizations and individuals other than the awarded bidder commit prohibited acts specified in section 4 prohibited acts - Chapter I Instructions to Bidders leading to deviations in bidder selection results. 32.2. Organizations and individuals infringing law on bidding that lead to bidding cancellation as prescribed in point c, d, e in ITB 32.1 is undertaken to compensate expenses for related parties and be handled as prescribed by law.



	<p>32.3. In case of bidding cancellation specified in this section, Vietsovpetro shall return or release Bid Bond to bidders who has submitted the original Bid Bond within 05 working days, except the bidder violates the regulation as specified in point d and point đ, ITB 32.1.</p>
<p>33. Notice of bidder selection result</p>	<p>33.1. Vietsovpetro shall publish notice of bidder selection results within 05 working days from the date of approval of bidder selection results. Notice of bidder selection result shall include following contents:</p> <p>a) Information of the bidding package:</p> <ul style="list-style-type: none"> - Number of Invitation to Bidder; - Name of the bidding package; - Bidding package price or approved estimate (if any); - Name of Investor; - Form of bidder selection; - Type of contract; - Time to implement the bidding package; - Time of contract performance. <p>b) Information of the awarded bidder:</p> <ul style="list-style-type: none"> - Tax code; - Contractor name; - Bidding price; - Bidding price after discount (if any); - Technical scores (if any); - Evaluation price (if any); - Awarded bidding price; - Time to implement the bidding package. <p>c) For each type of goods and equipment in the bidding package, the Investor must publish the following information:</p> <ul style="list-style-type: none"> - Goods name; - Wattage; - Features and technical specifications; models, part numbers, labels; - Origin; - Awarded of bidding unit price. <p>d) List of unselected bidders and brief reasons of each bidder for not being selected.</p> <p>33.2. In case of bidding cancellation as prescribed in point a, ITB 32.1, in the notice of bidder selection results and on the national bidding network must be clearly stated the reason for cancellation of bidding.</p>
<p>34. Change in volume of goods and services</p>	<p>34.1. At the time of awarding contract, Vietsovpetro are entitled to increase or decrease the volume of services stated in Chapter IV provided that such change not exceeding the rate specified in the BDS and there is not any change in the unit price or other terms and conditions of the Bid Proposals and Invitation to Bid. The rate of increase and decrease in volume shall not exceed 10%.</p> <p>34.2. Additional purchase option: Before the contract expires, the Investor has the right to purchase an additional volume of goods or services in the bidding package other than</p>



	the volume stated in Chapter IV provided that not exceeding the rate specified in the BDS .
35. Notice of Bid Proposal acceptance and contract award	After publishing the notice of bidder selection results, Vietsovpetro send a notice of acceptance of the Bid proposals and award the contract, including requirements on measures of contract performance guarantee, completion time, and contract signing. VND according to the provisions in Form as prescribed in Part 4 for the awarded bidder. Notice of acceptance of bid proposals and contract award are part of the contract documentation. In case the awarded bidder fails to complete, sign the contract or submit the contract performance guarantee within the deadline stated in the notice of bid proposal's acceptance and contract award, the bidder shall be disqualified and shall not be refunded the value of Bid bond as prescribed in Section 18.5 ITB. The period of time stated in the notice of bid proposal acceptance is calculated from the date Vietsovpetro sending this acceptance notice to the awarded bidder on the nation bidding network.
36. Conditions for signing contract	<p>36.1. At time of signing contract, Bid Proposal of the selected bidder are still valid.</p> <p>36.2. At time of signing contract, the selected bidder must ensure to meet requirements on technical and financial capability for implementation as prescribed in the Invitation to Bid. If the bidder no longer meets basic requirements of technical and financial capability prescribed in the Invitation to Bid, Vietsovpetro shall refuse to sign contract with the bidder. Vietsovpetro shall therefore cancel previous decision on approval of bidder selection result and contract award, and shall invite the bidder who is ranked at the next position for comparing documentation and contract negotiation (if required).</p> <p>36.3. Vietsovpetro shall ensure conditions on funding for advance payment, payment funding and other necessary conditions for carrying out the bidding package on the schedule.</p>
37. Contract performance guarantee	<p>37.1. Before signing a contract or before the contract comes into effect, the bidder shall provide contract performance guarantee as specified in Part 3. In case of applying a form of contract performance guarantee, the form specified in Part 3 or another form approved by Vietsovpetro shall be complied.</p> <p>37.2. The bidder shall not be entitled for the returning of the contract performance guarantee in the following cases:</p> <ol style="list-style-type: none"> The bidder refuses to perform the contract after the date the contract comes into force; The bidder violates agreements in contract; Performing the contract behind schedule due to bidder's fault but refusing to extend the validity of the contract performance guarantee.
38. Handling of Complaints in Bidding	<p>38.1. When bidder's legal rights and interests are affected, the bidders, agencies and organizations may file any complaint to Vietsovpetro with respect to procurement process, bidder selection result according to the regulations of Vietsovpetro.</p> <p>38.2. In case of petition to Vietsovpetro, the bidder shall send the petition to the address specified in the BDS.</p>
39. Monitoring, supervising of	When detecting violated behavior or content inconsistent with the provisions of bidding law, the bidder is responsible for notifying the



Bidder selection process	organization, individual performing the monitoring task and supervision as prescribed in the BDS .
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Chapter II. BIDDING DATA SHEET

ITB 1.1	Name of Investor: Vietsovpetro
ITB 1.2	<p>Title of bidding package: Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan</p> <p>Name of project:</p> <p>Vietsovpetro will evaluate and select each group</p> <p>Year of production: Technical requirements attached</p> <p>Scope of supply see Attachment 1 of PART 4.</p> <p>Technical requirement see Attachment 2 of PART 4.</p> <p>Technical Evaluation Criteria see Attachment 3 of PART 4.</p>
ITB 3	The source of funding: Block 09-1
ITB 5 (d)	<p>Competitiveness in the bidding must be ensured by following rules:</p> <ul style="list-style-type: none"> - Bidders participating in bidding do not have a shareholding or equity contribution representing more than 30% with: _____ [insert full name and address of the Employer, Procuring entity], except in the case of: <ul style="list-style-type: none"> (i) The bidder is an affiliate or subsidiary of a state-owned corporation or group whose main production and business lines are consistent with the nature of the bid package of that state-owned corporation or group. (ii) The bidder is a parent company, subsidiary, or affiliate of a state-owned corporation or group whose main production and business lines are suitable for products and services under the bid package, and this bid package belongs to its subsidiary or affiliate. - The bidder do not either have a shareholding or equity contribution relationship with consultants or have a shareholding or equity contribution representing more than 20% of equity owned by a third party being an entity or a natural person, specifically as follows: <ul style="list-style-type: none"> + Consulting on preparation for technical design:___ [insert full name and address of consultants (if any)]; + Consulting on verification of bid price:___ [insert full name and address of consultants (if any)]; + Consulting on supervision of contract execution and inspection:___ [insert full name and address of consulting unit (if any)]; + Consulting on preparation for the BD:___ [insert full name and address of consultants (if any)]; + Consulting on appraisal of the BD:___ [insert full name and address of consultants (if any)]; + Consulting on evaluation BDBs:___ [insert full name and address of consultants (if any)]; + Consulting on appraisal of bidder selection results:___ [insert full name and address of the consultants (if any)]; + Project management consulting, contract management, other consulting services whose work is directly related to the bid package:___ [insert full name and address of the consultants (if any)]; - The bidder does not belong to the same agency or organization directly managing the consultants (mentioned above)*. - Public sector entities and employers, procuring entities that have the same direct governing authority, and equity contribution when participating in bidding for each other's bid packages shall not have to satisfy the regulations on legal and financial independence between the bidder and the employer and the procuring entity.



	<p>- Public sector entities and enterprises that have the same direct governing authority, and equity contribution when participating in bidding for each other's bid packages shall not have to satisfy the regulations on legal and financial independence between the bidder and the employer and the procuring entity.</p> <p>- The ratio of shares, equity contributions between the parties is determined at the deadline for submission of bids and according to the ratio stated in the business registration certificate, establishment decision, and other documents of equivalent value.</p> <p>'In case the bidder participates in the bidding as a joint venture or the consultant is selected as a joint venture, the equity ownership ratio of other organizations and individuals in the joint venture is determined according to the following formula:</p> $\text{Ownership ratio} = \sum_{i=1}^n X_i \times Y_i$ <p>Of which:</p> <p>Xi: Equity ownership ratio of other organizations and individuals in the i-th joint venture member;</p> <p>Yi: Percentage (%) of the work volume of the i-th joint venture member in the joint venture agreement;</p> <p>n: Number of members participating in the joint venture</p> <p>*Only evaluate this content for bidders that are public sector entities"</p>
ITB 5 (h)	<p>Bidder's name is registered on National bidding network before the grant of approval for contractor selection result as prescribed:</p> <p>- Bidders have to register procurement information on the National bidding network: To be applied</p> <p>- Bidders are to provide confirmation of information registration on the national bidding network system in according to the Circulars issued by Ministry of Planning & Investment for providing provisions on posting information about bidding, on the roadmap for applying online Contractor selection, and managing the use of the value of bidding guarantee, ensuring the performance of non-refundable contracts:</p> <p>Detailed instructions of the National bidding network system are on the website: http://muasamcong.mpi.gov.vn.</p>
ITB 7.1	<p>The amendment of Invitation to Bid shall be published in National bidding network at least 03 working days prior to the Deadline for bid submission.</p>
ITB 7.2	<p>Requests for clarification should be received by Vietsovpetro at least 05 working days prior to the Deadline for bid submissions.</p> <p>Vietsovpetro shall clarify the request of clarification at least 03 working days prior to Deadline for bid submissions.</p>
ITB 7.3	<p>Pre-bidding conference: No</p>
ITB 8	<p>Payment for the Invitation to Bid:</p> <p>Interested bidders can buy Invitation to Bid with non-refundable cost of VND 500,000.00/set (in word: Five hundred thousand Vietnam Dong/set).</p> <p>Payment for Invitation to Bid shall be made by Telegraphic Transfer to the following Vietsovpetro's account:</p> <p style="text-align: center;">Account No. 008.100.000001.1 Beneficiary: Vietsovpetro</p>



	<p>VIETCOMBANK, Vung Tau Branch Please indicate: Bidder Name, payment for Invitation to Bid [Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan], Bidding package No. VT-4954/25-KT.</p>
ITB 10.10	<p>The Bidder shall submit the following additional documents in its bid proposal: Scope of supply, scope and work and Technical Documentation as required Technical Requirement (Section Part 2 Chapter V: Scope of supply, Scope of works and Technical documents, etc. in ITB).</p>
ITB 12.1	<p>Bidder is allowed to submit Technical alternative.</p> <p>The bidder is required to clearly state the main offer and the alternative offer in the bidding proposal.</p> <p>Technical alternatives are only considered when main solution meets requirements and bidder is ranked first. In this case, bidder shall provide all information necessary for evaluation of the alternatives by Vietsovpetro, including notes, drawings, technical specifications, progress of supply and other relevant information.</p>
ITB 13.5	<p>In the detailed price quotation table, bidder shall offer prices according to the following requirements:</p> <p>For foreign bidders: the Bidders are requested to offer price on delivery term: CFR Vietsovpetro port, Ho Chi Minh city, S.R. Viet Nam in accordance with Incoterms accompanied with appropriate amendments - if necessary as Bidding form No.12A, Chapter IV- Bidding form and provide “Incoterms 2020”.</p> <p>In case goods are accompanied with services, commissioning.... Bidders have to clearly state that whether the offered price includes Foreign Contractor Withholding Tax (FCWT) as Bidding form No.13. If the offered price has not included, Vietsovpetro will calculate and add FCWT into the offered price for comparison and evaluation (<i>FCWT tax rate is: 1.01% for goods; 15.79% for services; 12.24% for services included in goods</i>). Vietsovpetro shall do necessary procedures for tax exemption of goods.</p> <p>For Vietnamese Bidders: For Block 09-1:</p> <p>The Bidders are requested to offer price on delivery to Vietsovpetro warehouse, Ho Chi Minh city, S.R. Viet Nam including all taxes, fees and charges (if any) arisen inside Vietnam and shall be taken into consideration exemption of import tax and VAT for imported goods from using List of exempted goods available for Vietsovpetro in Block 09-1 as Bidding form No. 12A and 12B, Chapter IV- Bidding form.</p>
ITB 15.6	<p>Expected operating duration of Goods (for the purpose of requirement of spare parts, specialized tools): Not applicable.</p>
ITB 16.2	<p>The documentary evidence of the Bidder’s capacity to perform the contract if the bidder win the bid including: Manufacturer’s License for sale or the Certificate of Partnership or similar documents: <i>as per Technical requirement, Chapter V in Invitation to Bid.</i></p>
ITB 17.1	<p>The Bid proposal shall be valid for: 120 days from the deadline for bid submission.</p>
ITB 18.2	<p>Contents of Bid Bond: The amount and currency of the Bid Bond shall be:</p>

The bidder offers by each group or few groups or all groups, Bid Bond should be as below:

	Groups	USD	VND
Group 1	Item 1 ÷ Item 8 (PIPE)	420.00	10,965,000
Group 2	Item 9 ÷ Item 97 (FITTING, FLANGE)	820.00	21,408,000
Group 3	Item 98 ÷ Item 111 (MANUAL VALVE)	1,230.00	32,112,000
Group 4	Item 112, 113 (CHOKE VALVE, PSV)	250.00	6,527,000
Group 5	Item 114, 115 (SHUTDOWN VALVE)	1,740.00	45,426,000
Group 6	Item 116 ÷ Item 136 (STUDBOLTS, GASKET)	200.00	5,221,000
Group 7	Item 137 ÷ Item 140 (SPECIAL)	160.00	4,177,000
Group 8	Item 141 ÷ Item 147 (STEEL)	180.00	4,699,000
Group 9	Item 148 ÷ Item 154 (U-BOLT)	230.00	6,005,000
Group 10	Item 155 ÷ Item 162 (INSULATION)	30.00	783,000
	For whole package	5,260.00	137,323,000

Note: In case the bidder only offers 1 or a few groups of goods, the value of the bid guarantee will be the total value of the guarantee for the groups that the bidder offers.

The Bid Bond shall be valid for: **150 days** from the Deadline for bid submission.

In case the Bidder provides the Bid Bond through Deposit/Telegraphic Transfer to the following Vietsovpetro's account:

Account: (VND) 008.100.000001.1; (USD) 0081370000029

Beneficiary: Vietsovpetro

VIETCOMBANK, Vung Tau Branch

ITB 18.4 The Bid Bond of unsuccessful Bidders shall be returned or released in maximum 14 days from the date of Notification of Bidder selection Result.

ITB 19.1 The **Deadline for bid submission** at:
09 hour 000 minute, date 11 / 02 /2026

ITB 20.1 In addition to original of Technical Proposal and Financial Proposal, the quantity of copies of Technical Proposal (as per required in Technical requirement), Financial Proposal (01 copy). In case of modification, substitution of Technical Proposal, Financial Proposal or technical alternative, the bidders must submit the equal number of copies of modification, substitution or Technical alternative.

Note:

Quantity of Proposal:

+ **Technical Proposal:** 01 original and 01 copies;

+ **Financial Proposal:** 01 original;

+ **Soft copy:**

	<i>01 USB included scanned Technical Proposal, 01 USB Financial Proposal and native excel file of Financial Proposal; + All of the Proposals shall be sealing and marking as requirement in Chapter I point 21.</i>
ITB 20.7 (a)	Bidders shall submit their Bid Proposals to: Recipients: Vietsovpetro Address: 105 Le Loi Str., Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam
ITB 21.1	The Bid proposal shall be opened publicly at: Time: 09 hour 30 minute, date 11 / 02 /2026 at the following address: Vietsovpetro, 105 Le Loi Str., Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam
ITB 23.4	Bidders themselves can provide such evidence to the Procuring entity within 05 days from the deadline for submission of bids.
ITB 27.2	Total value of sub-contractor(s) shall not exceed: 0 % of total value of Bid proposal. Specialized sub-contractor: Not applicable.
ITB 28.3	Calculation of preferential treatment: <i>[In case of Lowest price method]: Goods that do not receive bid preferences must add a monetary amount accounting for 7.5% of bidding price after rectification of errors, adjustment of deviations and deduction of discounts (if any) of these goods to the bidding price after rectification of errors, adjustment of deviations and deduction of discounts (if any) of bidders for comparison and ranking.”.</i>
ITB 29.1	Bid proposal evaluation methods: a. Evaluation of the bidder’s capacity and experience: using Pass/Fail criteria b. Technical evaluation: <i>to apply evaluation method using Pass/Fail or Yes/No criteria in accordance with evaluation criteria stipulated in Section III, Chapter III, Bid Proposal Evaluation Criteria</i> c. The price evaluation: <i>to apply lowest price method for each group in accordance with evaluation criteria stipulated in Section V, Chapter III, Bid Proposal Evaluation Criteria.</i>
ITB 30	Contract negotiation: <i>Not applicable.</i>
ITB 31.5	Ranking of bidders: <i>the bidder who has the lowest price for each group after rectification of errors, adjustment of deviation and deduction of discounts (if any) is ranked the first.</i>
ITB 34.1	The maximum percentage of work volume may be increased is: <i>Not applicable</i> The maximum percentage of work volume may be decreased is: <i>Not applicable</i>
ITB 34.2	Additional purchase option: <i>Not applicable</i> The maximum of additional purchase option: <i>Not applicable</i>
ITB 38.2	Vietsovpetro’s address: 105 Le Loi Str., Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam, Tel: (84 254) 3 839 871, Fax: (84 254) 3 839 857
ITB 39	Address of organization, individual in charge of supervision: Mr. Vu Mai Khanh - General Director of Vietsovpetro 105 Le Loi, Vung Tau Ward, Ho Chi Minh City, S.R. Viet Nam, Fax: 84-254-3839857

CHAPTER III: BID PROPOSAL EVALUATION CRITERIA

Section 1: Verification and evaluation the eligibility of Bid Proposal

1.1 Verification the Bid Proposal:

- a) Verify the number of original and copies of the bid proposal;
- b) Verify the documents comprising the original Bid proposal including: administrative documents, legal documents, Bidder's capacity and experience documents, technical proposal as stipulated in Invitation to Bid, in which there are: Application for Bidding, Consortium Agreement (if any), Power of Attorney for signing Application for Bidding (if any); Bid Bond/ Deposit; documentary evidence establishing the Bidder's eligibility to bid; documentary evidence Bidder's capacity and experience; technical proposal; price proposal and any other relevant documents of Bid Proposal as stipulated in ITB 10;
- c) Verify the consistency of contents between the original and copies for detailed evaluation process of bidding package.

1.2 Evaluation the eligibility of Bid Proposal

A Bid proposal is considered eligibility when it fully meets the following requirements:

- a) The Bidder submits the original of Bid proposal.
- b) The Application for Bidding is signed and stamped (if any) by the legitimate representative of the bidder as required by Invitation to Bid. For consortium, the Application for Bidding is signed and stamped (if any) by the legitimate representatives of each member of the consortium or the authorized leader member of the consortium sign the Application for Bidding according to responsibilities in written agreement of consortium.
- c) Bidding prices in Application for Bidding must be detailed, fixed, indicated by numbers, words and in accordance with total bidding prices mentioned in Summary of bidding price table. Bidders are required not to propose different bidding prices or conditions that put Vietsovpetro in disadvantage.
- d) The validity period of the Bid proposal must meet the requirements stipulated in ITB 17.1.
- e) The Bid Bond/Deposit must satisfy all the requirements as stipulated in ITB 18.3.
- f) The bidder is not named in 2 or more Bid proposals as a main bidder (independent bidder or a member of consortium) in one bidding package. In case the bidding package is divided into many independent parts, the bidder is not named in 2 or more Bid proposals as the main bidder for the parts that bidder participates.
- g) For consortium, written agreement of consortium is signed and stamped (if any) by the legitimate representative of each member of the consortium and the consortium agreement must specify the detail scope of work and estimated respective percentage that each member will implement as Bidding Form No.3, Chapter IV, Bidding Form.
If the scope of supply includes only one unit/ one piece and no related service, bidder is not allowed to enter into a consortium; in case that Bidders is still in a consortium, agreement of consortium shall be considered invalid and Bidder shall be rejected.
- h) The bidder is eligible as stipulated ITB 5.

Bidders who submit eligible bid proposals shall be considered and evaluated on their capacity and experience.

Section 2: Capacity and experience evaluation criteria

Standards of competence and experience are mandated and listed in Table No. 01 (for bidders who are Non-manufacturers of goods within the scope of the bid package) or Table No. 02 (for bidders who are manufacturers of goods within the scope of the bid package). A bidder's evaluation of competence and experience is subjected to whether it meets all standards. A

subcontractor's competence and experience will not be taken into consideration when evaluating a bid proposal. The contractor itself must meet the evaluation standards of competence and experience.

In case the currency used in similar contracts or one of the following - Investor's payment confirmation for past contracts for the supply of goods, tax declarations, documents proving the bidder's competence and experience - is not VND: in the bid proposal, the bidder must convert them to VND as a basis for evaluation. The conversion is subject to the exchange rate of [Vietcomabnk's selling rate] at the date of signing a similar contract.

In case the currency used in similar contracts or one of the following – Investor's payment confirmation for past contracts for the supply of goods, tax declarations, documents proving the bidder's competence and experience – is not VND: in the bid proposal, the bidder must convert them to VND as a basis for evaluation. The conversion is subject to the exchange rate of [selling rate of Vietcombank] at the date of signing a similar contract.

In case the Bidder participating in bidding is the parent company (for example, Corporation) assigning a subsidiary to perform part of the work in the bid package, the contractor must declare specifically which part using Form No. 11C Chapter IV. The evaluation of experience in fulfilling similar contracts is based on the value and volume of work that the parent company and subsidiary delivered in the bidding package.

For Consortium, capacity and experience will be defined by the aggregated capacity and experience of each member of Consortium, but it must be assured that each member of Consortium must satisfy the requirement of capacity and experience for the volume of work implemented by him; if any of the members in Consortium do not satisfy the capacity and experience criteria, the Consortium will be evaluated as fail to meet the requirement on capacity and experience.

Sub-contractors' capacity and experience will not be considered in the evaluation of the Bid proposal of main Bidder (unless the Invitation to Bid allows to use specialized sub-contractor). The main bidders themselves must satisfy criteria on capacity and experience (not considered the sub-contractors' capacity and experience).

In case application of pre-qualification, if there are changes in capacity and experience when submitting the bid proposal in comparison with the information in the evaluated pre-qualification documents, the bidders must update their capacity and experience; in case there is no change in bidders' capacity and experience, the bidders must send a written commitment that they still satisfy the bidding package's requirements.

If there is no pre-qualification, the evaluation of capacity and experience will be carried out in accordance with the following evaluation criteria, the bidders are considered "pass" the capacity and experience requirements if they satisfy all the criteria.

2.1 Criteria for evaluation of capacity and experience

The evaluation of capacity and experience will be carried out as in following table:

CRITERIA TABLE FOR EVALUATION OF BIDDER'S CAPACITY AND EXPERIENCE

(For Bidders who are Non-manufacturers⁽¹⁾ of goods under the scope of the bid package)

Table No. 01

Criteria on capacity and experience		Compliance Requirements				Documents
No.	Description	Requirement	Single Entity	Consortium		Submission Requirements
				All Members Combined	Each Member	
1	Historical Contract Non-	From January 1, year 2022 ⁽²⁾ to	Must meet requirement	not applicable	must meet requirement	Form 09

	Performance ⁽¹⁾ due to Bidder's fault	Deadline for bid submission, the contractor does not have a contract for the supply of goods, not fulfilled through fault of the bidder.				
2	Tax obligations fulfilment	Has fulfilled tax obligations of the last fiscal year before Deadline for bid submission.	Must meet requirement	not applicable	must meet requirement	Form 10

Note:

⁽¹⁾ Non performance contracts due to Bidder's fault shall include all contracts where:

- Non performance contracts, as concluded by employer, and were not objected by the Bidder,
- Non performance, as concluded by the employer, and were so objected by the Bidder but fully settled against the Bidder by Arbitration or Court.

Non performance shall not include contracts where employer decision was overruled by the dispute resolution mechanism. Non performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract or applicable law and where all appeal instances available to the Bidder have been exhausted.

⁽²⁾ Time requirement, usually 03 to 05 years before bid closure year. For example, from January 1, 2018 to Deadline for bid submission.



Criteria on capacity and experience			Compliance Requirements			Documents
No	Description	Requirement	Single Entity	Consortium		Submission Requirements
				All Members Combined	Each Member	
3	Financial Capacity					
3.1	Financial Performance	Submission of financial statements 03 years (from year 2022 to year 2024) to demonstrate the current soundness of the Bidder's financial position. The Bidder's net worth for the last fiscal year, (calculated as the difference between total assets and total liabilities) should be positive.	Must meet requirement	not applicable	must meet requirement	Form 10
3.2	Average Annual business activities Turnover (excluding VAT)	Minimum average annual turnover of following value within the latest 03 fiscal years ⁽¹⁾ : see the Note ⁽²⁾ (Incase Company of the Bidder established less than 3 years, the value of Average annual business activity turnover will be sum total value of business activity turnover and divide to total number of years have activities) Evaluate separated groups, see the Note ⁽²⁾	must meet requirement	must meet requirement	not applicable	Form 10

Notes:

¹ In case of Consortium, the evaluation of the turnover criteria will be total turnover of all members for compare and evaluation.

² If bidder bids in one or more than one group, Minimum average annual turnover within the last 03 fiscal years should be equal to Sum of those below value with respective groups:

Groups		USD	VND
Group 1	Item 1 ÷ Item 8 (PIPE)	62,355.00	1,627,913,000
Group 2	Item 9 ÷ Item 97 (FITTING, FLANGE)	121,641.00	3,175,671,000
Group 3	Item 98 ÷ Item 111 (MANUAL VALVE)	183,738.00	4,796,838,000
Group 4	Item 112, 113 (CHOKE VALVE, PSV)	36,362.00	949,296,000
Group 5	Item 114, 115 (SHUTDOWN VALVE)	259,701.00	6,780,000,000
Group 6	Item 116 ÷ Item 136 (STUDBOLTS, GASKET)	29,145.00	760,877,000
Group 7	Item 137 ÷ Item 140 (SPECIAL)	23,715.00	619,110,000
Group 8	Item 141 ÷ Item 147 (STEEL)	26,219.00	684,507,000
Group 9	Item 148 ÷ Item 154 (U-BOLT)	33,594.00	877,055,000
Group 10	Item 155 ÷ Item 162 (INSULATION)	3,659.00	95,513,000
For whole package		780,129.00	20,366,780,000

Criteria on capacity and experience			Compliance Requirements			Documents
No	Description	Requirement	Single Entity	Consortium		Submission Requirements
				All Members Combined	Each Member	
4	Experience on implementing Contracts of supplying similar goods	Requires at least 01 contract for supplying goods for the Oil and Gas industry or other industries as described hereunder that has been successfully completed or performed at least 80% of the total contract value ⁽¹⁾ as main Contractor (individually or partner of Consortium) or sub-contractor ⁽²⁾ within the last 05 years to the deadline for bid submission. Number of contract is 01, the minimum value of the contract is: see Note ⁽³⁾ . If bidder attends the bid for one or more than one group, see Note ⁽³⁾ .	must meet requirement	must meet requirement	must meet requirement (equivalent to the volume of work implemented)	Form 07A

Notes:

- ⁽¹⁾ Level of completion shall be up to 80% or more of the total contract value. To verify that the Similar Contract has been completed to the required extent, the Bidder shall submit supporting Invoices.
- ⁽²⁾ For contract implemented by bidder as member of Consortium or sub-contractor, only the amount of work implemented by Bidder itself will be considered.
- ⁽³⁾ If Bidder bids in one or more than one group, Bidder's similar contracts value within the latest 05 fiscal years should be equal to those below value with respective groups. Evaluation of similar contract is based on each respective groups offered by bidder. The bidder does not have to comply with the size of total similar contract for all those groups bidder offers.
For multi-group bidding packages, the Bidder shall meet the requirement applicable to the group with the highest similar contract requirement.

Groups		USD	VND
Group 1	Item 1 ÷ Item 8 (PIPE)	20,785.00	542,637,570
Group 2	Item 9 ÷ Item 97 (FITTING, FLANGE)	40,547.00	1,058,556,707
Group 3	Item 98 ÷ Item 111 (MANUAL VALVE)	61,246.00	1,598,945,738
Group 4	Item 112, 113 (CHOKE VALVE, PSV)	12,121.00	316,432,000
Group 5	Item 114, 115 (SHUTDOWN VALVE)	86,567.00	2,260,000,000
Group 6	Item 116 ÷ Item 136 (STUDBOLTS, GASKET)	9,715.00	253,625,430
Group 7	Item 137 ÷ Item 140 (SPECIAL)	7,905.00	206,370,000
Group 8	Item 141 ÷ Item 147 (STEEL)	8,740.00	228,168,758
Group 9	Item 148 ÷ Item 154 (U-BOLT)	11,198.00	292,351,525
Group 10	Item 155 ÷ Item 162 (INSULATION)	1,220.00	31,837,600



Criteria on capacity and experience			Compliance Requirements			Documents
No	Description	Requirement	Single Entity	Consortium		Submission Requirements
				All Members Combined	Each Member	
5	The ability of performing warranty, maintenance, repair, overhaul and provision of spare parts and other after-sale services ¹ <i>(To be evaluated in the Technical evaluation stage)</i>	The bidder must be represented by an Agent (or Representative) who is available to carry out the Bidders' obligations such as warranty, maintenance, repair and provision of spare parts by one of following: - The bidder commits its capability in fulfilling obligations of warranty, maintenance, repair, supply of spare parts or providing after-sales services as required by the Invitation to Bid. <i>(as per required in the Technical requirement)</i> - The bidder signs a principle contract with an entity capable of fulfilling the obligations of warranty, maintenance, repair, supply of spare parts or providing after-sales services as required by the Invitation to Bid. <i>(as per required in the Technical requirement)</i> .	must meet requirement	must meet requirement	must meet requirement (equivalent to the volume of work implemented)	

CRITERIA TABLE FOR EVALUATION OF BIDDER'S CAPACITY AND EXPERIENCE

(For Bidders who are manufacturers⁽¹⁾ of goods under the scope of the bid package)

(NOT APPLICABLE)

Criteria on capacity and experience			Compliance Requirements			Documents
No.	Description	Requirement	Single Entity	Consortium		Submission Requirements
				All Members Combined	Each Member	
1	Historical Contract Non-Performance ⁽²⁾ due to Bidder's fault	From January 1, year 2022 ⁽²⁾ to Deadline for bid submission, the contractor does not have a contract for the supply of goods, not fulfilled through fault of the bidder.	Must meet requirement	not applicable	must meet requirement	Form 09
2	Tax obligations fulfilment	Has fulfilled tax obligations of the last fiscal year before Deadline for bid submission.	Must meet requirement	not applicable	must meet requirement	Form 07B

Note:

⁽¹⁾ Manufacturer is understood as an enterprise/manufacturing facility that produces goods itself or participates in the production process of goods or a subsidiary or parent company in charge of distributing and consuming products produced by the parent company and other subsidiaries within the Group or Corporation.

⁽²⁾ Non performance contracts due to Bidder's fault shall include all contracts where:

- Non performance contracts, as concluded by employer, and were not objected by the Bidder,
- Non performance, as concluded by the employer, and were so objected by the Bidder but fully settled against the Bidder by Arbitration or Court.

Non performance shall not include contracts where employer decision was overruled by the dispute resolution mechanism. Non performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract or applicable law and where all appeal instances available to the Bidder have been exhausted.

⁽³⁾ Time requirement, usually 03 to 05 years before bid closure year. For example, from January 1, 2018 to Deadline for bid submission.



Criteria on capacity and experience			Compliance Requirements			Documents
No	Description	Requirement	Single Entity	Consortium		Submission Requirements
				All Members Combined	Each Member	
3	Financial Capacity					
3.1	Financial Performance	Submission of financial statements 03 years (from year ... to year or from year ... to year ...) to demonstrate the current soundness of the Bidder's financial position. The Bidder's net worth for the last fiscal year, (calculated as the difference between total assets and total liabilities) should be positive.	Must meet requirement	not applicable	must meet requirement	Form 10
3.2	Average Annual business activities Turnover	Minimum average annual turnover of following value within the latest 03 fiscal years ⁽¹⁾ \geq [...]USD/ [...]VND. (Incase Company of the Bidder established less than 3 years, the value of Average annual business activity turnover will be sum total value of business activity turnover and divide to total number of years have activities)	must meet requirement	must meet requirement	not applicable	Form 10

Notes:

¹ In case of Consortium, The Evaluation of the turnover criteria will be total turnover of all members for compare and evaluation.

² If bidder bids in one or more than one Part, Minimum average annual turnover within the last 03 fiscal years should be equal to Sum of those below value with respective Parts:

<i>Group 1</i>	[...] USD
<i>Group 2</i>	[...] USD
<i>Group 3</i>	[...] USD
[...]	[...]
<i>For full package: [...] USD</i>	

(*) In case the bidder bids in one or more than one Part, minium revenue evaluation is based on the total average revenue required of those parts offered by bidder. In case the bidder bids in 01 Part, it only needs to meet the revenue requirement of that part.

Criteria on capacity and experience			Compliance Requirements			Documents
No	Description	Requirement	Single Entity	Consortium		Submission Requirements
				All Members Combined	Each Member	
4	Capacity of goods production^(*)	<p>The contractor provides documents as proof of production capacity, including either:</p> <ul style="list-style-type: none"> - The capacity of factories or production lines with minimum output of: ___units/month; <p>Or:</p> <ul style="list-style-type: none"> - The highest output per month within the last 05 years prior to the deadline for bid submission: ___units 	must meet requirement	must meet requirement	must meet requirement (equivalent to the volume of work implemented)	Form 07B

Notes:

(*) The design capacity of the factory, manufacturing line or highest production quantity of 01 month in the latest 05 years before the deadline for bid submission is equal to: $k \times (\text{Quantity required of the Invitation to Bid} \times 30 / \text{implementation time in the Invitation to Bid (calculated in days)})$. Normally $k = 1.5$; in case of centralized procurement or procurement of goods with large quantity and volume of the Invitation to Bid, $k = 1$.

In case the goods are products produced domestically by a Vietnamese bidder (which may or may not have been sold in the market), the bidder must prove that the design capacity or production quantity complies with the requirements.

In case the bidder is both a manufacturer and a supplier (some goods or a part of the volume of goods offered by the bidder in the Bid proposal which are produced by the bidder, some other goods or a part of the volume of goods are purchased by the bidder from other manufacturers or suppliers to supply for the bidding package), in addition to declaring production capacity, the bidder shall also declare experience in performing similar contracts as prescribed in Section 4-Table No. 01 of this Chapter. The evaluation of the bidder's experience will be done on the basis of providing the similar contract for supply of goods (in response to the part of goods bidder purchases from other manufacturers or suppliers) and the bidder's production capacity (in response to the part of goods that the bidder produces itself providing in the bidding package). Bidder may use documents such as sales invoices, inventory quantities... to prove the quantity produced in 1 month.



Criteria on capacity and experience			Compliance Requirements			Documents
No	Description	Requirement	Single Entity	Consortium		Submission Requirements
				All Members Combined	Each Member	
5	The ability of performing warranty, maintenance, repair, overhaul and provision of spare parts and other after-sale services ¹ <i>(To be evaluated in the Technical evaluation stage)</i>	The bidder must be represented by an Agent (or Representative) who is available to carry out the Bidders' obligations such as warranty, maintenance, repair and provision of spare parts by one of following: - The bidder commits its capability in fulfilling obligations of warranty, maintenance, repair, supply of spare parts or providing after-sales services as required by the Invitation to Bid. <i>(as per required in the Technical requirement)</i> - The bidder signs a principle contract with an entity capable of fulfilling the obligations of warranty, maintenance, repair, supply of spare parts or providing after-sales services as required by the Invitation to Bid. <i>(as per required in the Technical requirement)</i> .	must meet requirement	must meet requirement	must meet requirement (equivalent to the volume of work implemented)	

2.2 Evaluation Criteria for Key personnel *(Not applicable)*

2.3 Sub-contractors and Specialized Sub-contractors *(Not applicable)*

Section 3: Technical evaluation criteria (see Part 2, Chapter V)

Section 4: Price evaluation criteria

Lowest price method: (Applicable)

To be evaluated by the lowest price method as the following steps:

Determination of lowest price as following steps:

Step 1: Determination of bidding price including all taxes, fees, charges (if any) arisen inside Vietnam and shall be taken into consideration exemption of import tax and VAT for imported goods from using List of exempted goods available for Vietsovpetro in Block 09-1;

Step 2: Rectification of errors (apply in accordance with Note (1));

Step 3: Adjustment of deviations (apply in accordance with Note (2));

Step 4: Determination of bidding price after rectification of errors, adjustment of deviations, discount deduction (if any);

Step 5: Conversion of bidding price into a single currency (if any);

Step 6: Determination of preferential treatment value (if any) as stipulated in ITB 28;



Step 7: Ranking the bidders: the Bid proposal which has the **lowest bidding price for each group (including Related Services)** after rectification of errors, adjustment of deviations, discount deduction (if any), conversion of bidding price into a single currency, addition preferential treatment value (if any), including all taxes, fees, charges (if any) arisen inside Vietnam and shall be taken into consideration exemption of import tax and VAT for imported goods from using List of exempted goods available for Vietsovpetro in Block 09-1 shall be ranked the first.

Notes:

(1) Rectification of errors

Provided that the bid proposal substantially satisfies Invitation to Bid, Vietsovpetro shall rectify arithmetical errors and other errors on the following basis:

a) Arithmetical errors include mistakes from calculation such as: addition, subtraction, multiplication, division when calculating bidding price. If there is a discrepancy between the unit price and the total price, the unit price shall prevail and the total price shall be corrected; If there is unusual differences in unit price due to decimal errors (10 times, 100 times, 1000 times), the total price should be used as a legal basis for correction; when the bidder fills without price or "0" in the column of unit price and total price, price of this item shall be deemed to be allocated among the prices for the other items of work of the package and Bidder will not be paid for by Vietsovpetro during contract performance.

b) Other errors:

- If the Total price column is filled without the corresponding unit price, the unit price shall be determined by dividing the total price by the quantity; if the unit price is filled in, but the total price is missing, the total price shall be determined by multiplying the quantity by the unit price; if one of the items has the unit price and total price filled in, but the quantity is missing, the quantity shall be determined by dividing the total price by the unit price of that particular item. In case the aforesaid quantity that has been additionally defined is different from the quantity mentioned in the Invitation to Bid, that value difference is the deviation in the scope of supply, which shall be adjusted under regulations specified in Step 3;

-Mistake in Unit must be corrected to meet the requirements specified in the Invitation to Bid;

-Mistakes in using comas (instead of periods) and vice versa shall also be corrected in accordance with the written in Vietnamese customary. If Vietsovpetro determines the obvious mistake in placing of comas and periods, the total price shall prevail and the unit price shall be corrected.

-If there is an error in a total corresponding to the addition of subtotals, the subtotals shall prevail and the total shall be corrected;

-If there is a discrepancy between words and numbers, the amount in words shall used as a legal basis for correction. If the amount expressed in words is incorrect, then the number after rectification of error as stipulated in this article should be used as a legal basis for correction.

(2) Adjustment of deviation:

a) In case of deviation in the scope of supply compared to the Invitation to Bid, what is deficient shall be added, and what is redundant shall be subtracted according to respective unit price in the Bid proposal of bidder that has deviation;

In case of deficient deviation (lack of items of work in comparison with the scope of supply, lack of inland transportation cost to Vietsovpetro warehouse/ Vietsovpetro port in case Bidder does not offer delivery term to Vietsovpetro warehouse/ Vietsovpetro port), if there is no respective unit price in the Bid proposal with deficient deviation, the adjustment of deviation will be as follows:

- Lack of items of work in comparison with the scope of supply:

The highest unit price offered for such item of Bid proposals which pass the Technical evaluation shall be used as legal basis for adjustment of deviation. In case the Bid proposals passed the Technical evaluation has no unit price, unit price in the value of bidding package shall be used as legal basis for adjustment of deviation. In case not having value of bidding package, unit price for calculating price of the bidding package shall be used as legal basis for adjustment of deviation.



In case only one bidder passes the Technical evaluation, adjustment of deviation shall be made based on respective unit price in the Bid proposal of **this** bidder; In case **this** Bid proposal has no respective unit price, unit price in value of bidding package shall be used. In case not having value of bidding package, unit price for calculating price of the bidding package shall be used as legal basis for adjustment of deviation.

- Lack of inland transportation cost to Vietsovpetro warehouse/ Vietsovpetro port:

In case Bidder does not offer delivery term to Vietsovpetro warehouse/ Vietsovpetro port and not having value/ unit price for inland transportation cost to Vietsovpetro warehouse/ Vietsovpetro port, unit price in the value of bidding package shall be used as legal basis for adjustment of deviation. In case of not having unit price in the value of bidding package, the following rates shall be used as legal basis for adjustment of deviation:

*: *The inland transportation cost = 0.25% x Total proposed bid price.*

- b) In case bidder has discount letter, rectification of errors and adjustment of deviation shall be made based on bidding price without discount. Percentage (%) of deficient deviation shall be determined on basis of comparison of bidding price in Application for Bidding.

Section 5: Technical alternative (If applied)

Bidder is allowed to submit Technical alternative and requested to identify clearly which is “**The Main offer**” and which is “**The alternative offer**” in the Proposal.

Note: Technical alternatives are only considered when main solution meets requirements and bidder is ranked first. In this case, bidder shall provide all information necessary for evaluation of the alternatives by Vietsovpetro, including notes, drawings, technical specifications, progress of supply and other relevant information.

Section 6: Bidding package with multiple independent parts (If applied)

If the bidding package is divided into multiple independent parts as stipulated in ITB 1.2, implement as follows:

1. The evaluation and approval of the winning of bid will be carried out on the basis that the total proposed bid winning prices of the bidding package are lowest (for lowest price method); the total evaluated prices are lowest (for evaluated price method); the total proposed bid winning prices shall not exceed the approved value of bidding package but are not compared to the estimated value of each part.
2. There is one contract if only one bidder wins all the parts of the bidding package. There are many contracts if many bidders win the different parts of the bidding package.

Section 7: The right to unilaterally terminate contract negotiations with the first-ranked contractor in in contract negotiation satge.

For the proposal of goods originating from countries affected by armed conflict, in state of war, sanctioned or embargoed, and the importation of the those may be interrupted and affect the contract performance and delivery schedule, explanations and commitments on the ability to deliver goods must be provided by the Bidder for Vietsovpetro to consider and evaluate.

Based on the actual situation at that time, Vietsovpetro will have the sole and exclusive right to review and decide to reject the proposals of those goods, or not to continue the evaluation, if in the opinion of Vietsovpetro there is any risk to the contract performance and delivery schedule. In that case, Vietsovpetro at its sole and absolute discretion will have the right to stop contract negotiation, and the next ranked bidder will be invited to negotiate the contract.



CHAPTER IV: BIDDING FORM

No	Bidding Form	Performance	Responsibility for performance	
			Vietsovpetro	Bidder
1	Form 01. Application for bidding form	Submission with Bid Proposal		X
2	Form 02. Power of Attorney			X
3	Form 03. Consortium Agreement			X
4	Form 04A. Guarantee for Bid Participation (<i>Bid Bond</i>), applicable to independent bidders			X
5	Form 04B. Guarantee for Bid Participation (<i>Bid Bond</i>), applicable to consortium bidders			X
6	Form 04C. Form of Deposit for bid participation	Submission with Bid Proposal		X
7	Form 05. Bidder's information form			X
8	Form 06. Information form for consortium bidders			X
9	Form 07A. Similar contract performed by bidder (<i>applicable to commercial bidders</i>)			X
10	Form 07B. Declaration of goods production capacity (<i>applicable to bidders who are manufacturers</i>)			X
11	Form 08A. Proposed Key Personnel			X
11	Form 08B. Profession skill curriculum vitae of key personnel			X
12	Form 08C. Professional Experience			X
13	Form 09. Historical Contract Non-Performance for the supply of goods due to fault of the bidder in the past.			X
14	Form 10. Bidder's Financial Status			X
15	Form 11A. Scope of work using sub-contractors			X
16	Form 11B. List of specialized sub-contractors			X
17	Form 11C. List of subsidiaries and member companies delivering work in the bidding package		X	

18	Form 12. Summary of bidding prices			X
19	Form 12A. Bidding price schedule of goods (<i>manufactured, processed outside Vietnam</i>)			X
20	Form 12B. Bidding price schedule of goods (<i>domestically manufactured, processed or goods manufactured, processed outside Vietnam but already imported and being offered in Vietnam</i>)			X
21	Form 13. Bidding price schedule for related services			X
22	Form 14A. Spare parts for replacement (<i>Optional Scope</i>) for Goods manufactured, processed outside Vietnam)			X
23	Form 14B. Spare parts for replacement (<i>Optional Scope</i>) for Goods domestically manufactured, processed or goods manufactured, processed outside Vietnam, but already imported and being offered in Vietnam			X
24	Form 15A. Declaration of goods with bid preferential treatments			X
25	Form 15B. Costs of goods manufactured domestically with bid preferential treatments (<i>in case of declaration for cost of import</i>)			X
26	Form 15B. Costs of goods manufactured domestically with bid preferential treatments (<i>in case of declaration for cost of manufacturing in Vietnam</i>)			X

APPLICATION FOR BIDDING ¹

Date: (Date of signing application for bidding)
 Name of bidding package:..... (Name Package according to Bid Announcement)
 Name of project: (Name project)
 Bid invitation No. : (In case of limited tendering)
 Attention to: _____ (full name and address of employer)

After studying the Invitation to Bid and the documents for Amendment of the Invitation to Bid [insert the code of the amendment documents, if any] that we have received, we [insert the name of the bidder] commit to execute [name of bidding package] as required by the Invitation to Bid at the total amount of [specify in number, in words, and currency of bid proposal] ² and the summary of bidding price.

In addition, we voluntarily offer a discount with amount: ____ [specify in number, in words, and currency of bid proposal].

The bidding price after application of discount is: ____ [specify in number, in words, and currency of bid proposal].³

Validity of the Proposal⁴: ____ [write the validity period from the deadline for submission of bids in accordance with the BDS] days, from the deadline for submission of bids.

Bid Security: ____ [State the value in figures, in words and in currency of the bid security]

Validity of Bid Security: ____ [insert validity period from deadline for submission of bids]

Time for contract implementation: (Total time to perform all work required in Bidding package)⁵

We commit:

1. We are not in the process of carrying out dissolution procedures or having its business registration certificate, cooperative registration certificate, cooperative union registration certificate, or cooperative group registration certificate revoked, not in a case of insolvency according to the provisions of the law on bankruptcy (not in the process of ceasing operations or having its business household registration certificate revoked for Bidders that are household businesses).
2. We do not violate regulations on ensuring fair competition in bidding.
3. We have fulfilled the tax liabilities of the most recent fiscal year prior to the deadline for submission of bids.
4. We are not being under suspension from participating in bidding according to the provisions of the law on bidding.
5. We are not being prosecuted for criminal liability (the household owner is not being prosecuted for criminal liability in case the bidder is a business household).
6. We do not proceed any practices of corruption, bribe, collusion, obstruction and other violated provisions of the law on procurement when participating this package.
7. The information declared in the bid is truthful.
8. In case of winning the bid, the Proposal and clarification, supplemental documents of the Proposal constitute the agreement of responsibilities between the two parties until the contract is signed.
9. If our bid is accepted, we shall furnish a performance security as specified in IBT 37.1 of the Bidding document.

Legitimate representative of the bidder⁶
(Specify name, title, sign and stamp)

Notes:

¹ Application for bidding must be filled with sufficient and accurate information of Vietsovetro, Bidder, the validity duration of Bid proposal, signed and stamped by legitimate representative of the bidder.

² Bidding prices in Application for bidding must be specific, fixed, indicated by numbers, words and in accordance with total bidding prices mentioned in price list. Bidders are required not to propose different bidding prices or conditions that put Vietsovpetro in disadvantage. In case of multiple parts, the Bidder must write the total bidding price of each parts and total bidding price of all parts that bidder participates.

³ Specify discount for the whole bidding package or for one or many works, items (specify detailed discounted works, items)

⁴ The validity of Bid proposal shall be counted from the date of Deadline for bid submission to the last date of validity period as stipulated in the Invitation to Bid. From the time of Deadline for bid submission until 24:00 of the date which has the deadline for bid submission is considered as one day.

⁵ Duration of contract implementation in Application for bidding must be in accordance with Technical proposal and completion schedule specified in the Bid Proposal.

⁶ If legitimate representative of bidder authorizes the subordinate to sign the application for bidding, the bidder must submit Power of Attorney according to Form No.2 of this Chapter; if the company's Charter/regulations or other related documents have the assignment of responsibilities to subordinates to sign application for bidding, the bid proposal must include these documents (no Power Of Attorney is required in accordance with Form No.2 of this Chapter).

For consortium, the application for bidding must be signed by the legitimate representative of each member of the consortium, except in Consortium agreement (as in Form No.3 of this chapter), the members of Consortium agree to authorize the leader member of the consortium to sign the Application for bidding. If each member of consortium has its own authorization, apply as for independent bidders. If the bidder wins the bidding package, the bidder must present to the Employer the notarized/certified copy of these documents before signing the contract. If the information declared is not accurate, the bidder is considered violation of ITB 4.



POWER OF ATTORNEY ¹

Date _____/_____/20____ At (name of place).....:

I,.....[insert Name, ID/passport number, position of Legitimate representative of the bidder], the Legitimate representative of _____[insert the bidder name] at _____ [insert address]

To issue this Power of Attorney to :

Mr/Mrs _____

ID/Passport number _____

Position _____

To do, execute and perform the following acts and things during the process of participating the Bidding package _____(Name of Bidding Package) of Project _____(Name of project) held by Vietsovpetro:

- [-Sign the Application for bidding form;
- Sign the Consortium agreement (if any);
- Sign all documents, correspondences to Vietsovpetro during the bidding process, including the written requests to clarify Invitation to Bid, written clarification of Bid proposal, or written requests to withdraw, modify or substitute the bid proposal;
- Negotiate and finalize contract with Vietsovpetro;
- Sign the Bidder's arising claims (if any);
- Sign contract with Vietsovpetro (if awarded the Bidding package)] ²;

The Attorney shall lawfully perform acts within the scope of Power of Attorney as the legitimate representative of _____(name of bidder).

The Mandator, [name of Legitimate representative of the bidder] () will be completely responsible for acts performed by the Attorney, _____[name of the Attorney] in the scope of Power of Attorney.

This Power of Attorney is valid for the period from _____ to _____³ and will be made in _____ originals, _____ of which will be retained by Mandator; _____ of which will be retained by Attorney and the rest will be retained by Vietsovpetro. All original copies hereof are identical and legally equal.

Attorney
(Signature)
(Name, position and stamp (if any))

Mandator
(Signature)
(Name, position and stamp (if any)
of Legitimate representative of the bidder)

Note:

¹The original of this Power of Attorney must be submitted to Vietsovpetro together with the application for bidding as stipulated in ITB 20.3. Legitimate representative of bidder gives the power of attorney to the deputy, subordinate, branch's manager, chief of bidder's representative office to perform one or more above mentioned listed acts. The stamp used in case of power of attorney can belong to the bidder or to the entity of Attorney. The Attorney can not subsequently give this authorization to another.

²The scope of Power of Attorney may include one or more above mentioned listed acts.

³Specify the date the power of attorney come into force and expiry date, in accordance with the bidding process.

CONSORTIUM AGREEMENT¹

_____, day ____ month ____ year _____

Bidding package: _____ [*name of bidding package*]Under the project: _____ [*name of project*]- Based on the Invitation to Bid _____ [*name of bidding package*] date ____ month ____ year _____ [*date recorded on the Invitation to Bid*];

We, the representatives of the parties sign the Consortium Agreement, including:

Names of Consortium members _____ [*name of each consortium member*]

Represented by Mr./Ms.: _____

Position: _____

Address: _____

Tel: _____

Fax: _____

E-mail: _____

Account: _____

Tax code: _____

Power of Attorney No. _____ date ____ month ____ year _____ (*in case of authorization*).

The parties (hereinafter referred to as members) agreed to sign this Consortium Agreement with the following contents:

Article 1. General principles1. The members voluntarily establish a Consortium to participate in the bidding package _____ [*name of bidding package*] under the project _____ [*name the project*].2. The members agree the name of the Consortium for any transactions related to this package as: _____ [*name of the Consortium as Agreement*].

3. The members commit that there is not any member to arbitrarily join independently in this bidding package or join consortium with other members to participate in this bidding package. In case of winning the bid, all members of the Consortium shall sign the Contract and there is not any member to have the right to refuse performance of the responsibilities and obligations stipulated in the Agreement. In case a member of the Consortium refuses to fulfill their own responsibilities as agreed or violates the provisions of the signed contract, such member shall be handled as follows:

- Compensating for damages to the parties in the consortium;
- Working with members of the Consortium to compensate for all damages to the Vietsovpetro in accordance with the provisions stipulated in the Contract (corresponding to the proportion of each member specified in Article 2 of this Agreement);
- Other forms of handling ____ [*Specify other forms of handling*].

Article 2. Assignment of responsibilitiesConsortium members agree to assign responsibilities for implementation of the bidding package _____ [*write name of bidding package*] under the project _____ [*write name of project*], for each member as follows:

1. Leader of the consortium:

The parties agree to authorize to _____ [Write name of a party] as a leader of the consortium, representing the Consortium in the following part of work ²:

- Signing the application of bidding;
- Signing all documents, correspondences to Vietsovpetro during the bidding process, including the written requests to clarify Invitation to Bid, written clarification of Bid proposal, or written requests to withdraw, modify or substitute the bid proposal;
- Performing Bid Bond on behalf of Consortium;
- Participating in the process of negotiation and finalization of the Contract;
- Performing Performance Bond for the entire Consortium in case the Consortium wins the bid;
- Signing the Bidder's arising claims (if any);
- Performing all obligations of the Consortium which are not specified in the Table of Responsibility between the Consortium members in item 2 as follows;
- Performing other works except for signing Contract _____ [specify the detail content of other jobs (if any)].

2. The members of the Consortium agree to assign the responsibility of members as following table ³:

No.	Name	Content of assigned work	Respective percentage to total bidding price	Amount by percentage to total bidding price
(1)	(2)	(3)	(4)	(5)
1	Name of the first member (Leader of the Consortium)	- Work 1: _____	_____ %	_____ VND/USD
		- Work 2: _____		
		- Work 3: _____		
			
2	Name of the second member	- Work 1: _____	_____ %	_____ VND/USD
		- Work 2: _____		
		- Work 3: _____		
....		
Total		All work of bidding package	100%	_____ VND/USD

3. The payment method for the Consortium in case of winning the bid and signing a contract with the Investor ... is as follows:

- The Investor shall make direct payment to each member of the Consortium in accordance with the payment schedule specified in the Contract with the distributed amount corresponding to the proportion of workload agreed by the Consortium members and shown in column (4) of the Table of Responsibility in item 2 of this Consortium Agreement.
- Each member of the Consortium shall issue a Legal Invoice in accordance with the amount of the work performed by such Consortium member pursuant to the progress of each payment specified in the Contract.

Article 3. Validity of Consortium Agreement

1. This Consortium Agreement valid from its signing date.
2. This Consortium Agreement shall be determined to be invalid in the following cases:
 - In case the Consortium wins the bid, this Consortium Agreement is an integral part of the contract signed with the Investor ...and shall only be terminated when the parties fulfill their responsibilities and obligations and complete the liquidation of the contract;
 - The parties agree to terminate;
 - The Consortium does not win the bid;



- Cancellation of bidding package under the project as notified by the Vietsovpetro.

Consortium Agreement is made in ____ copies, each party keeps ____ copy, each having equal legal force and authenticity.

LEGAL REPRESENTATIVE OF CONSORTIUM LEADER
[Full name, title, signature and stamp]

LEGAL REPRESENTATIVE OF CONSORTIUM MEMBERS
[Full name of each member, title, signature and stamp]

Note:

¹ *Depending on the size and nature of bidding package, the content of agreement as in this form can be amended appropriately. If the bidding package is divided into multiple independent parts, the consortium agreement must specify clearly the name, reference number of parts that the consortium participates, specify mutual responsibility and separate responsibility of each member in accordance with respective parts that bidder participates.*

² *The scope of authorization may include one or more above mentioned listed acts*

³ *Bidder must specify the detail work and the estimated percentage of respective value that each member will implement, mutual responsibility and separate responsibility of each member, including head member of the Consortium.*



GUARANTEE FOR BID PARTICIPATION ¹

(BID BOND)

(applicable to independent bidder)

Beneficiary: VIETSOVPETRO,
105 LE LOI STR, VUNG TAU WARD, HO CHI MINH CITY, S.R. VIETNAM.
(Hereinafter referred to as the employer)

Date: _____ *[Insert date of issue]*

BID GUARANTEE No.: _____ *[Insert guarantee reference number]*

Guarantor: _____ *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that*[insert name of the Bidder.]* (hereinafter called "the Applicant") will participate bid for execution of the bidding package_____ *[name of the bidding package]* under project_____ *[name of the project]* according to Bid Invitation Letter No/Bid Announcement No._____. *[insert No. of Bid Invitation letter/ Bid Announcement No].*

We *[name of the bank]*, hereinafter referred to as "the bank", pledge Beneficiary to guarantee for the bidder to participate in bidding for this bidding package with an amount of *[specify the value in number, in words, and the currency in use]*.

This guarantee is effective for².days, from the date.....month.....year³

At the request of the Applicant, we, as Guarantor, hereby unconditionally and irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures, insert amount in words]* within 05 working days upon our receipt of written notice from Beneficiary stating without requiring proof that bidder violates the regulations as follows:

1. Bidder has withdrawn its Bid proposal after Deadline for bid submission and during the validity period of bid proposal;
2. Bidder violating Law on Bidding leads to cancellation of Bid in accordance with point d, ITB 32.1;
3. Bidder fails or refuses to conduct contract negotiations within 05 working days from the date receipt of notification for negotiation of contracts by Vietsovpetro; or Bidder conducts contract negotiations but withdraws its Bid proposal leading to failed contract negotiations, except for force majeure;
4. Bidder fails or refuses to conduct contract finalization within 20 days from the receipt date of Bid Award Notification from Vietsovpetro or bidder finalized contract but refuses to sign contract, except for force majeure;
5. Bidder does not conduct performance bond in accordance with ITB 37.1;

The said guarantee amount shall be paid by Guarantor forthwith to Beneficiary notwithstanding any contestation or protest by Guarantor or Applicant or by any third party, and irrespective of whether or not there is any dispute between Applicant and Beneficiary in respect of or relating to the Bidding package or in respect of any other matter and irrespective of whether or not such said dispute, if any, has been settled, resolved, litigated, or adjudicated upon otherwise howsoever.



If Applicant is selected as successful bidder: This guarantee will expire immediately if the Applicant signs contract and submit Performance Bond to Beneficiary in accordance with agreement in contract.

If Applicant is not selected as successful bidder: This Guarantee will expire immediately after we receive a copy of the Beneficiary's notification to the Applicant about the result of the Bidder selection; within 30 days after the validity period of bid proposal.

Any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

Legitimate representative of the bank

(Specify name, title, sign and stamp)

Note:

¹ Apply if Bid Guarantee is in form of Letter of Guarantee from financial institution or foreign bank's branches which is legally operating in Vietnam.

² Insert as stipulated in BDS 18.2

³ Insert Deadline for bid submission as stipulated in BDS 19.1



GUARANTEE FOR BID PARTICIPATION ¹

(BID BOND)

(applicable to consortium bidders)

Beneficiary: VIETSOVPETRO,
105 LE LOI STR, VUNG TAUWARD, HO CHI MINH CITY, S.R. VIETNAM.
(Hereinafter referred to as the employer)

Date: _____ *[Insert date of issue]*

BID GUARANTEE No.: _____ *[Insert guarantee reference number]*

Guarantor: _____ *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that*[insert name of the Bidder.]*² (hereinafter called "the Applicant") will participate bid for execution of the bidding package_ *[name of the bidding package]* under project *[name of the project]* according to Bid Invitation letter No...
[name No. of Bid Invitation letter].

We *[name of the bank]*, hereinafter referred to as "the bank", pledge Beneficiary to guarantee for the bidder to participate in bidding for this bidding package with an amount of *[specify the value in number, in words, and the currency in use]*.

This guarantee is effective for³days, from the date.....month... year ⁴

At the request of the Applicant, we as Guarantor, hereby unconditionally and irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures, insert amount in words]* within 05 working days upon our receipt of written notice from Beneficiary stating without requiring proof that bidder violates the regulations as follows:

- 1) Bidder has withdrawn its Bid proposal after bid submission deadline and during the validity period of bid proposal;
- 2) Bidder violating Law on Bidding leads to cancellation of Bid in accordance with point d, ITB 32.1;
- 3) Bidder fails or refuses to conduct contract negotiations within 05 working days from the date receipt of notification for negotiation of contracts by Vietsovpetro; or Bidder conducts contract negotiations but withdraws its Bid proposal leading to failed contract negotiations, except for force majeure;
- 4) Bidder fails or refuses to conduct contract finalization within 20 days from the receipt date of Bid Award Notification from Vietsovpetro or bidder finalized contract but refuses to sign contract, except for force majeure;
- 5) Bidder does not conduct performance bond in accordance with ITB 37.1.

If any member of consortium ___*[insert name of consortium]* violates the Law, that leads to the Bid Bond not to be returned as specified in Point b, ITB 18.5 of Invitation to Bid, then the Bid Bond of all consortium members shall not be returned.

The said guarantee amount shall be paid by Guarantor forthwith to Beneficiary notwithstanding any contestation or protest by Guarantor or Applicant or by any third party, and irrespective of whether or not there is any dispute between Applicant and Beneficiary in respect of or relating to the Bidding package or in respect of any other matter and irrespective of whether or not such said dispute, if any, has been settled, resolved, litigated, or adjudicated upon otherwise howsoever.



This guarantee will expire: (a) if the Applicant is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the performance security issued to the Beneficiary upon the instruction of the Applicant; or (b) if the Applicant is not the successful Bidder, upon the earlier of our receipt of a copy of the Beneficiary's notification to the Applicant of the name of the successful bidder within 30 days after the expiration of Bid Proposal.

Any demand for payment under this Bid Bond must be received by us at the office on or before that date.

Legal representative of Bank

[name, position, signature and stamp]

Note:

Applying in case the bid security (bank security) is a letter of guarantee of credit institutions or foreign banks' branches which are established under Vietnamese law. The bank is recommended to use this Bid security (bid bond) form, in case of applying for other different forms that violates one of following regulations: bid security has lower value than required, the validity period of bid security is shorter than regulation prescribed in ITB 18.2, invalid name of Beneficiary, not original and without valid signature or with the disadvantageous conditions to Vietsovpetro, bid security shall be invalid.

² Bidders' name can be one of following cases:

- Name of consortium participates in bid, for instance consortium bidder A + B participates in bid, name of bidders shall be written "Consortium bidder A + B";
- Name of the member undertakes implementation of bid security for the entire consortium or for other partners in consortium, for instance consortium A + B + C participates in bid, case of the consortium agreement appointed bidder A performing bid security for whole consortium, the name of bidder shall be "Bidder A (on behalf of consortium bidder A + B + C), in case the consortium agreement appointed bidder B performing bid security for bidder B and C, then name of bidder shall be written as "Bidder B (for the behalf of bidder B and C)";
- Name of consortium's member perform separate the bid security;

³ Insert as prescribed in BDS 18.2.

⁴ Insert date deadline for bid submission in accordance with BDS 19.1.



FORM OF DEPOSIT FOR BID PARTICIPATION

Date: (Date of signing application for bidding)
 Name of bidding package:..... (Name Package according to Bid Announcement)
 Name of project: (Name project)
 Bid invitation No. :.....(In case of limited tendering)
 Attention to: _____ (full name and address of employer)

With reference to the above mentioned bidding package, we *[insert the name of the bidder]* hereby would like to confirm as follows:

1. In lieu of the submission of Bid Bond issued by a bank, *[insert the name of the bidder]* shall implement bid guarantee for *[name of bidding package]* in the form of transfer to Vietsovetro's bank account a deposit amount equivalent to the Bid Bond amount specified in the ITB, i.e *[specify in number, in words, and currency of deposit]*
2. Bidder confirm that Bidder shall comply all conditions as stipulated in Bid bond form of ITB. *(In the event that Bidder confirms not to comply all conditions in the Bid bond's form in ITB, Bidder's bidding proposal shall not be evaluated)*
3. After *[insert the required bid bond validity period]* days from the bid closing date, Vietsovetro shall transfer deposit amount above to *[insert the name of the bidder]*'s account. *[insert the name of the bidder]* shall be responsible for all the bank fees in connection with this transfer.
4. Vietsovetro's bank account:

Beneficiary's name: Vietsovetro

Beneficiary's Bank: Joint Stock Commercial Bank for Foreign Trade of Vietnam – Vungtau Branch

Account Number: 008.100.00000.11 (VND)

Legitimate representative of the bidder
[name, position, signature and stamp]

Notes:

Along with this letter, bidder must enclose the Payment order or appropriate document evidencing that bidder executed the payment to Vietsovetro account.



BIDDER'S INFORMATION FORM

Date: _____

NCB No. and title: _____

Bidder's name: _____ *[specify Bidder's name]**In case of consortium, insert name of each partner in consortium*Place of business registration: _____ *(indicate province/city of Constitution)*Year of business founding / incorporation ____ *[year of company founding]*Bidder's legal address *(in country of registration)*

Bidder's legitimate representative information:

Name:

Address:

Telephone/fax numbers:

E-mail address:

- a. Attached are copies of original documents: Articles of Incorporation, Business Registration, Decision of Establishment or equivalent documents of constitution or association issued by authority of country where Bidder is operating.
- b. Included the organizational chart.

Note:

- (1) In case of consortium Bidder, each consortium member must declare this form.

Legitimate representative of the bidder
[name, position, signature and stamp]

INFORMATION FORM FOR CONSORTIUM BIDDER'S MEMBERS

Date: _____

Bid package No. and titles: _____

Consortium Bidder's name:

Consortium member's name:

Consortium member's country of registration:

Consortium member's year of foundation:

Consortium member's legal address in country of registration:

Consortium member's legitimate representative information:

Name:

Address:

Telephone/fax numbers:

E-mail address:

1. Attached are copies of original documents of: Business Registration of Company, Certificate of Investment, Decision of Establishment, etc.
2. Included is the organizational chart.

Note:

- (1) In case of consortium Bidder, each consortium member must declare this form.

Legitimate representative of the bidder
[name, position, signature and stamp]



SIMILAR CONTRACT PERFORMED BY BIDDER¹*(applicable to commercial bidders)*

Date ___ month ___ year ___

Bidder's name: _____ *[full name of bidder]*

Descriptions of each contract should contain following information:

Name and contract number	<i>[Full contract name and number]</i>		
Contract signing date	<i>[Date, month, year]</i>		
Completion date	<i>[Date, month, year]</i>		
Contract Value ⁽³⁾	<i>[Total signed contract value and the original currency]</i>		Equivalent to ___ VND
If the bidder is a consortium member, provide a summary of the work undertaken and its value	<i>[Summary of the work]</i>	<i>[Value of the work undertaken (amount in original currency and %)]</i>	Equivalent to ___ VND
Project or Procurement name	<i>[Full name of the project/procurement estimate whose contract is being declared]</i>		
Name of Investor:	<i>[Full name of the Investor in the contract being declared]</i>		
Address:	<i>[Full current address of the Investor]</i>		
Telephone/fax:	<i>[Phone number, fax number including country code, area code]</i>		
Email:	<i>[Email address]</i>		
Describe similarities in accordance with Section 2.1 of Chapter III⁽²⁾			
1. Type of goods	<i>[Correct type]</i>		
2. Fulfilled contract value ⁽³⁾	<i>[Actual contract value fulfilled based on acceptance value, contract liquidation]</i>		
3. Scale	<i>[Scale according to the contract]</i>		
4. Other characteristics	<i>[Other characteristics, if needed]</i>		

Note:

The contractor shall carefully study the Invitation to Bid and proposes similar contracts to ensure the requirements of the Invitation to Bid are complied.

1. In case of consortium, each member must declare according to this Form.
2. Bidders only declare the similar content with the requirements of the bidding package.
3. In case the contract value is not in VND, it shall be converted to VND at the exchange rate specified in Section 2 of Chapter III as a basis for evaluation.

Legitimate representative of the bidder
[name, position, signature and stamp]

DECLARATION OF GOODS PRODUCTION CAPACITY

(applicable to bidders who are manufacturers)

The number of factories and production facilities (collectively referred to as factories): ____
[Number of factories]

For each factory, the bidder declares the following information:

Factory Name:	<i>[Factory name]</i>
Address:	<i>[Factory address]</i>
Total investment:	<i>[Total investment]</i>
Design capacity:	<i>[Design capacity]</i>
Effective capacity:	<i>[Effective capacity of last year]</i>
Production standard:	<i>[Current production standard, if applicable]</i>
Number of employees:	<i>[Total number of employees working at the factory]</i>

Notes:

For a consortium, each member of the consortium shall declare using this Form.

Legitimate representative of the bidder
[name, position, signature and stamp]



PROPOSED KEY PERSONEL

The Bidder shall declare its key personnel as required in Section 2 of Chapter III and shall demonstrate its capability to mobilize these people to deliver the bidding package. Key personnel may be on the contractor's payroll or mobilized by the bidder. In case the key personnel declared by the bidder in its bid proposal does not meet the requirements or the contractor cannot demonstrate mobilization capability (including cases where said personnel has been mobilized for another contract with overlapping execution timeline), Vietsovetro shall allow the bidder to make addition or replacement. The bidder is allowed to make addition or replacement once for each position for a suitable period of time not less than 03 working days. In case the bidder does not have a replacement complying the Invitation to Bid's requirements, the contractor shall be disqualified. In all cases, if the bidder declares personnel in a dishonest manner, making replacement shall not be allowed, the bid proposal shall be disqualified and the bidder shall be considered fraudulent according to the provisions of legislation on bidding or other relevant legislation and penalized accordingly.

1	Job position <i>[detailed job position in the bidding package]</i>
	Name <i>[name of key personnel]</i>
2	Job position <i>[detailed job position in the bidding package]</i>
	Name <i>[name of key personnel]</i>
3	Job position
	Name
4	Job position
	Name
5	Job position
	Name
—	Job position
	Name
Legitimate representative of the bidder <i>[name, position, signature and stamp]</i>	



PROFESSIONAL CURRICULUM VITAE OF KEY PERSONNEL

The Bidder must supply all required information below and attach certified copies of original related documents.

Position		
Personnel Information	Name	Date of Birth
	Professional Qualification	
Current Job	Employer's name	
	Employer's address	
	Telephone no:	Contact person (Deputy / HR officer)
	Fax	E-mail
	Title	Number of years of experience with the present employer
		Legitimate representative of the bidder <i>[name, position, signature and stamp]</i>

PROFESSIONAL EXPERIENCE

Summarize professional experience in reverse chronological order. Specify professional and management experience related to the bidding package

from	To	Company/Project/Position/Related professional and management experience
		Legitimate representative of the bidder <i>[name, position, signature and stamp]</i>



**HISTORICAL CONTRACT NON-PERFORMANCE FOR THE SUPPLY OF
GOODS NOT FULFILLED DUE TO FAULT OF THE CONTRACTOR IN THE PAST ⁽¹⁾**

Name of contractor: _____

Date: _____

Name of member of the consortium contractor (if any): _____

Contracts for the supply of goods not fulfilled due to fault of the contractor in the past in accordance with Clause 2.1 Section 2 Chapter III

- No contract Supply of goods not fulfilled through bidder's fault as of January 1, [...] in accordance with Criterion 1 in the Evaluation Standards for Competence and Experience under Clause 2.1, Section 2, Chapter III.
- There is a contract Supply of goods not fulfilled through bidder's fault as of January 1, [...] in accordance with the Evaluation Standards for Competence and Experience under Clause 2.1 Section 2 of Chapter III.

Year	Scope of work not fulfilled	Contract description	Total contract value (value, currency, exchange rate, equivalent value in VND)
		Contract Description: _____ Name of Investor: _____ Address: _____ Causes of non-fulfillment of the contract: _____	

Notes:

(1) The Bidder must accurately and truthfully declare contracts for the supply of goods that were not fulfilled through fault of the Bidder in the past. In case Vietsovpetro discovers that the bidder has a contract for the supply of goods that is not fulfilled due to fault of the bidder in the past which was not declared, the bidder is deemed to have committed fraud and its bid proposal shall be disqualified. For a consortium bidder, each member of the consortium must declare using this form.

Legitimate representative of the bidder
[name, position, signature and stamp]

BIDDER'S HISTORICAL FINANCIAL PERFORMANCE¹

Bidder's name: _____

Date: _____

Name of Consortium member (if any): _____

Financial Data for Previous 3 Years ² [VND/USD]: 2022÷2024		
Year 1	Year 2	Year 3

Information from balance sheet

Total assets			
Total liabilities			
Net worth			
Current assets			
Current liabilities			
Working capital			

Information from Income Statement

Total turnover			
Average annual turnover from business activities ³			
Profits before taxes			
Profits after taxes			

Attached are copies of financial statements (balance sheets, including all related notes and income statements) for the last **03 years⁴**, as indicated above, complying with the following conditions:

- All such documents reflect the financial situation of the legal entity or entities comprising the Bidder and not the Bidder's parent companies, subsidiaries or affiliates.
- Historic financial statements must be audited in accordance with the applicable laws and regulations.
- Historic financial statements must be complete, including all notes to the financial statements.
- Historic financial statements must correspond to accounting periods already completed and audited. Attached with notarized copies one of following original documents:
 - Tax finalization inspection report.
 - Declaration form of self tax finalization report (VAT and CIT) confirmed by the Tax department/ District tax department at the time of submitting the declaration form.
 - Proper documentation in which the bidder has declared the electronic tax finalization.
 - Confirmation in writing from tax department/ district tax department (confirmed the cumulative payment for full year) about complying paying tax duty.
 - Audited report
 - Other documents

Note:

(1) In case of Consortium Bidder then each member of Consortium Bidder must declare

according to this Form.

(2), (4) The period stated here should be the same as the period indicated under Criterion 2.1 of Chapter III (Bid Evaluation Criteria).

In case Bidder has less than the number of years of establishment as required in ITB, the average annual turnover is calculated on the number of years that Bidder has been established.

(3) To determine average annual turnover from business activities, the Bidder will divide total turnover from business activities in years to number of years based on supplied information.

Legitimate representative of the bidder
[name, position, signature and stamp]



SCOPE OF WORK USING SUB-CONTRACTORS¹

No.	Name of sub-contractor ²	Scope of work ³	Amount of work ⁴	Value estimated ⁵	Contract or agreement document with sub-contractor ⁶
1					
2					
3					
4					
...					

Note:

¹ Applying this form in case of using sub-contractors.

² Bidder specifies the sub-contractor's names. In case at the moment at participating in bid, the sub-contractors have not yet been identified, bidders do not have to provide information in this column, but it should be declared in the column "Scope of work". After that, if bidder is being successful, since the sub-contractors mobilized for implementing the work have to be approved by the Vietsovpetro.

³ Bidder specifies name and work description for the sub-contractor.

⁴ Bidder specifies the scope of work for the sub-contractor.

⁵ Bidder specifies the value of work percentage which the sub-contractor undertakes compared to the bidding price.

⁶ Bidder specifies the contracts number or agreement documents, the bidder should submit the original or notarized copy of these documents.

Legitimate representative of the bidder
[name, position, signature and stamp]



LIST OF SPECIALIZED SUB-CONTRACTORS¹

Bidder must provide the proof evidence which meets requirements prescribed at Point 2.3 Chapter III, Bid Proposal Evaluation criteria.

STT No	Name of specialized subcontractor²	Scope of work³	Amount of work⁴	Percentage value estimated⁵	Contract or agreement document with specialized sub-contractor⁶
1					
2					
3					
4					
...					

Note:

¹ Applying this form in case of using sub-contractor.

² Bidder specifies the specialized sub-contractor's name.

³ Vietsovetro specifies names and work description that are implemented by the specialized sub-contractor.

⁴ Bidder specifies the scope of work assigned to the specialized sub-contractor.

⁵ Bidder specifies the value of work in percentage which the specialized sub-contractor undertakes to perform, compared to the bidding price.

⁶ Bidder specifies the contract numbers or agreement documents, the bidder should submit the original or notarized copy of these documents.

Legitimate representative of the bidder
[name, position, signature and stamp]



**LIST OF SUBSIDIARIES AND MEMBER COMPANIES DELIVERING WORK
IN THE BID PACKAGE ⁽¹⁾**

No.	Name of subsidiary/ member company⁽²⁾	Scope of work⁽³⁾	Value (% out of bid value)⁽⁴⁾	Notes
1				
2				
...				

Notes:

(1) In the case the contractor participating in bidding, being a parent company (for example, the Corporation), mobilizes its subsidiary or member company to deliver part of the work in the bid package, it must be specifically declared in this table. The evaluation of experience and competence of the bidder is based on the value and volume of work delivered by the parent company, subsidiary and member company in the bidding package. In case the bidder participating in bidding is not the parent company, this Form shall not apply.

(2) Specify the name of the subsidiary or member company.

(3) Specify the work delivered by the subsidiary or member company.

(4) Specify how many % the value of work delivered by the subsidiary or member company accounts for in the total bid proposal value.

Legitimate representative of the bidder
[name, position, signature and stamp]

SUMMARY OF BIDDING PRICE*(Apply for international bidding)*

Stt	Content	Bid price
1	Goods manufactured, processed outside Vietnam	(M ₁)
2	Goods domestically manufactured, processed or goods manufactured, processed outside Vietnam, but already imported and being offered in Vietnam	(M ₂)
3	Related services: Not Applicable	(I)
	Total bidding price (Transfer to Application for Biding form)	(M₁) + (M₂) +(I)

**Legal representatives of bidder
(name, position, signature and stamp)**

FORM 12A

**BIDDING PRICE SCHEDULE OF GOODS MANUFACTURED, PROCESSED
OUTSIDE VIETNAM**

FOR BLOCK 09-1

1	2	3	4	5	6	7	8	9
Line item	Description of goods	Part number/ model of goods	MNF	CO	Unit	Required quantity	Unit price	Extended Price per line item (Col. 6x7)
1
2
3
....
.....
.....
162
*	<p><i>Total bidding price of goods including taxes, fees, charges (if any) arisen inside Vietnam and shall be taken into consideration exemption of import tax and VAT for imported goods from using List of exempted goods available for Vietsovpetro in Block 09-1.</i></p> <p><i>(Transfer to the Summary of Bidding Price Form)</i></p> <p><u>Note:</u></p> <ul style="list-style-type: none"> - <i>Request to describe all the works and the Goods following requirements in Scope of supply indicated in Technical requirement (attached).</i> - <i>Request to breakdown value for each line item and for all items in Scope of supply.</i> 							M1

**Legal representatives of bidder
(name, position, signature and stamp)**

Notes:

Col. (1), (2), (6), (7): In accordance with List of goods stipulated in Part 4 – the scope of supply’s Requirement and Technical requirement.

The bidder offers in Col. (3) (4) (5) (8) (9).

For Vietnamese Bidders: The Bidders are requested to offer price on delivery to **Vietsovpetro warehouse, Ho Chi Minh city, S.R. Viet Nam**, including taxes, fees, charges (if any) arisen inside Vietnam and shall be taken into consideration exemption of import tax and VAT for imported goods from using List of exempted goods available for Vietsovpetro in Block 09-1.

For Foreign Bidders: The Bidders are requested to offer price on delivery term: CFR Vietsovpetro Port, Ho Chi Minh city, S.R. Viet Nam, Incoterm 2020. *Bidders must clearly state in the offered price, as followings:*

- *Bidder intends to use inland transportation to delivery the goods from any discharge port in Vietnam to Vietsovpetro port: Yes/No*
- *If Bidder declares its attention to use inland transportation to deliver the goods from*



discharge port in Vietnam to Vietsovpetro port, Vietsovpetro will calculate and add FCWT into the offered price for comparison and evaluation.

- *If Bidder declares NOT to use inland transportation to transport the goods to Vietsovpetro port, or makes no statement in this regard, Vietsovpetro will not calculate and add FCWT into the offered price for comparison and evaluation. Bidder shall acknowledge that, if any inland transportation is used during performance of Contract (if awarded to Bidder), Bidder will be subject to FCWT according to the applicable regulations of S.R Vietnam. FCWT incurred will be deducted from payment by Vietsovpetro*

When participating in bidding, all bidders have to take responsibility of researching, calculating and offering sufficient tax, fees, charges (if any) in response to tax rates, expenses, fees at the time 28 days prior to the stipulated deadline for bid submission.

In case the bidder announces the bidding price not including taxes, fees, charges then the Bid Proposal of the bidder will be rejected.



**BIDDING PRICE SCHEDULE OF GOODS DOMESTICALLY MANUFACTURED,
PROCESSED OR GOODS MANUFACTURED, PROCESSED OUTSIDE VIETNAM,
BUT ALREADY IMPORTED AND BEING OFFERED IN VIETNAM**

1	2	3	4	5	6	7	8
Line item	Description of goods	Unit	Required quantity	Country of origin, Part number, model of goods	Unit price	Extended Price per line item (Col. 4x6)	Taxes, fees, charges (if any)
1						A1	T1
						A2	T2
n	<i>Goods n</i>					An	Tn
Total bidding price of goods not including taxes, fees, charges (if any)						A=A1+A2+...+An	
Total value of taxes, fees, charges (if any)							T=T1+T2+...+Tn
Total bidding price of goods including taxes, fees, charges (if any) (Transfer to the Summary of Bidding Price Form)						M₂=A+T	

Legal representatives of bidder
(name, position, signature and stamp)

Notes:

Detailed T1, T2, Tn (type, calculation).

Col. (1), (2), (3), (4): In accordance with List of Goods as stipulated in Part 4 – Scope of supply Requirement and Technical requirement.

The bidder offers at Col. (5) (6) (7) (8). The bidder offers unit price at col (6), including necessary expenses to supply goods in response to requirements of Vietsovpetro, not including tax, fees, charges (if any) offered at col (8).

Col. (8) includes all tax, fees, charges (if any). When participating in bidding, bidders have to take responsibility of researching, calculating and offering sufficient tax, fees, charges (if any) in response to tax rates, expenses, fees at the time 28 days prior to the stipulated deadline for bid submission. In case the bidder announces the bidding price not including taxes, fees, charges then the Bid Proposal of the bidder will be rejected.

Legitimate representative of the bidder
[name, position, signature and stamp]

BIDDING PRICE SCHEDULE OF RELATED SERVICES
NOT APPLICABLE

1	2	3	4	5	6	7	8
No	Description of Services	Required quantity	Unit	Place where services will be performed	Final completion date	Unit price	Extended price per Service (Col. 3x7)
I	Onshore Technical service						
						
II	Offshore technical service						
						
III	Training (if any)						
						
IV	Other services (if any)						
1							
2							
Total bidding price of related services not including taxes, fees, charges							
Taxes, fees, charges							
Total bidding price of related services including taxes, fees, charges (if any) (Transfer to the Summary of Bidding Price Form)							(I)

Legal representatives of bidder
(name, position, signature and stamp)

Notes:

Col. (1) (2) (3) (4) (5) and (6): In accordance with Table of Related Services stipulated in Article 1 Part 2 - The scope of supply's Requirement.

The bidder offers Col. (7) and (8).

Foreign bidders have to clearly state that whether the offered price includes Foreign Contractor Withholding Tax (FCWT). If the offered price has not included, Vietsovpetro will calculate and add FCWT into the offered price for comparison and evaluation.

Legitimate representative of the bidder
[name, position, signature and stamp]

**BIDDING PRICE OF GOODS (OPTIONAL SCOPE)
FOR GOODS MANUFACTURED, PROCESSED
OUTSIDE VIETNAM
NOT APPLICABLE**

FOR BLOCK 09-1

1	2	3	4	5	6	7	8	9
Line item	Description of goods	Part number/ model of goods	MNF	CO	Unit	Required quantity	Unit price	Extended Price per line item (Col. 6x7)
	<p>Priced list of recommended spares for 2 years' operation. <i>(i.e.: as stated in Technical Requirement)</i></p> <p><i>Detailed list of spares part and prices shall be provided:</i></p>							
1	.....						
2	.....						
*	<p>Total bidding price of goods including taxes, fees, charges (if any) arisen inside Vietnam and shall be taken into consideration exemption of import tax and VAT for imported goods from using List of exempted goods available for Vietsovpetro in Block 09-1. (Transfer to the Summary of Bidding Price Form)</p> <p>Note:</p> <ul style="list-style-type: none"> - Request to describe all the works and the Goods following requirements in Scope of supply indicated in Technical requirement (attached). - Request to breakdown value for each line item and for all items in Scope of supply. 							M1

Notes:

Refer to Notes in Form 12A

Legitimate representative of the bidder
[name, position, signature and stamp]

BIDDING PRICE OF GOODS (OPTIONAL SCOPE)
FOR GOODS DOMESTICALLY MANUFACTURED, PROCESSED OR GOODS
MANUFACTURED, PROCESSED OUTSIDE VIETNAM, BUT ALREADY IMPORTED
AND BEING OFFERED IN VIETNAM
NOT APPLICABLE

1	2	3	4	5	6	7	8
Line item	Description of goods	Unit	Required quantity	Country of origin, Part number, model of goods	Unit price	Extended Price per line item (Col. 4x6)	Taxes, fees, charges (if any)
1	<i>Goods 1</i>					A1	T1
2	<i>Goods 2</i>					A2	T2
n	<i>Goods n</i>					An	Tn
Total bidding price of goods not including taxes, fees, charges (if any)						A=A1+A2+...+An	
Total value of taxes, fees, charges (if any)							T=T1+T2+...+Tn
Total bidding price of goods including taxes, fees, charges (if any) (Transfer to the Summary of Bidding Price Form)						M₂=A+T	

Note:

Refer to Notes in Form 12B

Legitimate representative of the bidder
[name, position, signature and stamp]

DECLARATION OF PREFERENTIAL GOODS ⁽¹⁾

No.	Item	Origin <i>[name of country, origin, marks and numbers, model/PN, manufacturer]</i>	Goods with domestic production cost of 25% or higher		Domestic cost declaration	
			Yes	No	Form 15B	Form 15C
	(1)	(2)	(3)	(4)	(5)	(6)
1	Goods 1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Goods 2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...	...					
n	Goods n		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Notes:

(1), (2): The bidder fills consistently with Form No. 15B or Form No. 15C

(3), (4): The bidder checks the correct box for each goods.

(5), (6): For goods with a domestic production cost of 25% or higher, the contractor either declares the cost of domestic production using Form 15B (declaration of cost of import) or Form 15C (declaration of production cost in Vietnam).

Legitimate representative of the bidder
[name, position, signature and stamp]

**DECLARATION OF DOMESTIC PRODUCTION COSTS FOR PREFERENTIAL
GOODS**

(in the case of declaring cost of import)

No.	Item	Offered price in Bid proposal	Taxes	Cost of import	Cost of domestic production	Cost of domestic production (%)
		(I)	(II)	(III)	$G^* = (I) - (II) - (III)$	$D(\%) = G^*/G$ where $G = (I) - (II)$
	(1)	(2)	(3)	(4)	(5)	(6)
1	Goods 1					
2	Goods 2					
...	...					
n	Goods n					

Notes:

(1): The bidder fills in the checked goods in column (3) and (5) of Form No. 15A.

(2): The bidder fills in the unit price offered (including all taxes, fees, charges (if any)).

(3), (4): The bidder self-declares.

(5), (6): The bidder fills.

Legitimate representative of the bidder
[name, position, signature and stamp]

DECLARATION OF DOMESTIC PRODUCTION COST FOR PREFERENTIAL⁽¹⁾
(in the case of declaring production costs in Vietnam)

STT No.	Tên hàng hóa Item	Offered price in Bid proposal	Taxes ⁽²⁾	Cost of domestic production	Cost of domestic production (%)
		(I)	(II)	G*	$D(\%)=G^*/G$ where $G = (I) - (II)$
	(1)	(2)	(3)	(4)	(5)
1	Hàng hoá thứ 1				
2	Hàng hoá thứ 2				
...	...				
n	Hàng hoá thứ n				

Ghi chú Note:

(1): The bidder fills in the checked goods in column (3) and (6) of Form No. 15A.

(2): The bidder fills in the unit price offered (including all taxes, fees, charges (if any)).

(3), (4): The bidder self-declares.

(5): The bidder fills;

Legitimate representative of the bidder
[name, position, signature and stamp]

PART 2. TECHNICAL REQUIREMENTS

Chapter V. Technical Requirements

(Refers to attachment in Part 4.Appendices)



PART 3. CONDITIONS OF CONTRACT AND CONTRACT FORMS

FORM 16. Letter of Proposal Acceptance and Contract Award

FORM 17. Contract form



LETTER OF PROPOSAL ACCEPTANCE AND CONTRACT AWARD

_____, day ____ month ____ year ____

To: _____ [name and address of awarded Contractor, hereinafter referred to as "Contractor"]

Subj: Notification of Proposal Acceptance and Contract Award

Dear Sir/Madam,

In accordance with the Letter of Invitation to Tender (ITB No.) regarding tender process, we would like to notify that you are the tender winner for the items listed hereunder (scope of supply) based on the following basic terms and conditions:

- Scope of Supply:
- Total price: – CFR Vietsovetro port, Ho Chi Minh City, S.R.Vietnam.
- Delivery time: days from the date of Letter of Award / contract signing.
- Payment condition: TT / LC.

As soon as possible but not later than 07 working days from the date signing this Purchase Order, you should open the Performance Bond which is issued by banks / branches legally operated in Vietnam with amount 03% (three percents) of Purchase Order and send to Vietsovetro. The validity of the Guarantee is equal to the delivery time plus 60 calendar days.

Please acknowledge the receipt of this letter and send us your acceptance / comments as soon as possible but not later than 02 working days from the date of this letter.

Looking forwards to receiving your favorable reply.

LEGAL REPRESENTATIVE OF THE EMPLOYER

[Full name, title, signature and stamp



Contract form

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Definitions.

As used in this Contract:

- 1.1 Company means Vietsovpetro, as specified in the Purchase Order;
- 1.2 “Purchase Order” means the documented Agreement between the Company and the Contractor, including all attached appendices and documents; herein called PO.
- 1.3 “Contractor” means the bidder who has been awarded PO by the Company (either Independent or Consortium Contractor) and is specified in the PO;
- 1.4 “Subcontractor” means a person, or entity, Contractor whose name is proposed in the list of subcontractors by the Contractor in the Proposal or who carries out any part of work proposed by the Contractor in the Bid Proposal. Subcontractor enters into the PO with the Contractor to perform part of work, as specified in the Proposal and accepted by the Company;
- 1.5 “PO Documents” means the documents listed in the PO, including any amendments, addendums thereto;
- 1.6 “PO Price” means the total price as specified in the PO for supplying Goods (and Related Services). PO Price include all taxes, fees and charges (if any).
- 1.7 “Date” means calendar day; “Year” means 365 days;
- 1.8 “Goods” means all of the machinery, equipment, commodities, spare parts, raw materials, consumer goods, medical material used at medical facilities;
- 1.9 “Related Services” means the services such as warranty, maintenance, overhaul, repair, supply of spare parts and/or other after-sale services including training, technology transfer;
- 1.10 “Completion” means the fulfillment of the Related Services by the Contractor in accordance with the terms and conditions set forth in the Contract;
- 1.11 “The Project Site” means the place named in the PO.

2. Order of precedence

The documents forming the Contract is arranged in the following order of precedence:

- 2.1 PO, including all Appendix;
- 2.2 Letter of Proposal Acceptance and Contract Award;
- 2.3 Bidding Result Approval;
- 2.4 General Conditions of Contract (GCC);
- 2.5 Proposal and Clarifications (if any);
- 2.6 Invitation for Bid and Bulletins (if any);
- 2.7 Any other document listed in the PO.

3. Governing law and Language

The Contract shall be governed by and interpreted in accordance with the laws of the Socialist Republic of Vietnam. The Contract shall be written in English.

4. Notice



- 4.1 Any notice from one Party to another relating to the PO shall be conducted in writing, to addresses specified in the PO. The term “in writing” means communicated in written form with proof of receipt.
- 4.2 A notice from one Party shall be considered as effective from the date the other Party receives it or from the effective date as specified in the notice, whichever comes later.

5. Performance Bond

- 5.1 Performance Bond shall be submitted to the Company no later than the date specified in Letter of Proposal Acceptance and Contract Award. Performance Bond shall be issued in one of following forms:
 - a) Submit a performance bond issued by a legally domestic bank or foreign bank’s branch established under Vietnamese law;
 - b) Submit the certificate of guarantee insurance from a domestic non-life insurance enterprise or a branch of a foreign non-life insurance enterprise established under Vietnamese law.
The Performance Bond specified in Point a and b of this Clause is an unconditional guarantee (paid upon request), according to the form specified in the PO or another form approved by the Company.
- 5.2 Validity and formality is specified in the PO.
- 5.3. The Performance Bond will be paid to the Company to compensate for any loss arising from the Contractor's failure to fulfill their contractual obligations.
- 5.4 The return of Performance Bond is specified in the PO.

6. Subcontractor

- 6.1 The Contractor is allowed to sign contracts with Subcontractors in the List of proposed subcontractors specified in the Contract to perform part of work stated in the Proposal. The use of subcontractors shall not relieve the Contractor from any of his obligations. The Contractor shall take full responsibilities for work load, quality, progress and other responsibilities for work performed by Subcontractors.
The changing, supplement of subcontractors onto List of subcontractors or the change of subcontractor content stated in the Proposal shall be only conducted with reasonable grounds and Company’s approval.
- 6.2 Contractor is not allowed to use subcontractors for other work which are not stated in the Bid Proposal.
- 6.3 Other requirements for subcontractor are specified in the PO.

7. Settlement of Disputes

- 7.1 The Company and the Contractor shall make every effort to resolve amicably by negotiation any disagreement or dispute arising between them.
- 7.2 If the dispute has not been resolved by such mutual negotiation within the specified duration in the PO from the date on which dispute arose, then either party may ask to commence arbitration under the dispute resolution mechanism, as specified in the PO.

8. Scope of Supply

Goods (and Related Services) shall be supplied as specified in Appendix No. 01 – Scope of Supply, which is considered as an integral part of this PO, including types of goods (and Related Services) supplied by the Contractor and their unit prices.

9. Delivery Schedule of Goods, Completion Date of Related Services (if any) and Documentations

Delivery Schedule of Goods, Completion Date of Related Services (if any) must be performed according to the provisions of the PO. The Contractor must provide invoice and other documents as described in the PO.

10. Contractor's Responsibilities

Contractor shall supply all Goods (and Related Services) (if any) in accordance with the Scope of Supply in accordance with GCC Clause 8, and follow the Delivery Schedule of Goods (and Completion Date of Related Services), as per GCC Clause 9.

11. Type of Contract and Contract Price

Type of contract: is specified in the PO.

Contract Price specified in the PO covers all expenses for complete supplying Goods (and Related Services) stated in the Price schedule of the PO.

12. Tax Adjustment

12.1 The Contractor shall be responsible for all costs of taxes, fees and charges incurred until the goods are delivered to the Company.

12.2 In case the Contractor is eligible for tax, fee and charge exemption or reduction, the Company shall use its best efforts to enable the Contractor to apply tax, fee and charge exemption or reduction policies.

12.3 Tax adjustment are carried out in accordance with the PO.

13. Advance Payment

13.1 The Company shall make advance payment to the Contractor with an amount stated in the Contract upon provision of Advance Payment Guarantee by the Contractor, with the value equal to the advance payment. The Advance Payment Guarantee shall be issued by a bank or credit organizations legally operating in Vietnam and shall remain effective until the advance payment has been repaid; the value of the Advance Payment Guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest shall not be applied on the advance payment.

13.2 The Contractor is to use the advance payment only for the purpose of executing the Contract. The Contractor has to prove that advance payment has been used for the right purpose by providing copies of invoices or other relevant documents to the Company. The Contractor shall be deprived of advance payment if advance payment is not used correctly.

14. Payment

14.1 Payments are made in accordance with the PO.

14.2 The payment currency shall be VND/USD/EUR in accordance with the PO.

15. Copyright

Copyright in all drawings, documents and records containing information and data submitted by the Contractor to the Company remains vested in the Contractor. Where such drawings, documents and records are provided to the Company directly or through the Contractor by a third party, copyright in such drawings, documents and records shall remain vested in that third party.

16. Use of documentations and information relating to Contract

16.1. The Company and the Contractor shall keep confidential any documents, data or other information relating to the contract provided directly or indirectly by one party to the other party, and shall not disclose such documents, data or information to a third party without the prior written consent of the other party, whether such documents, data or information are provided before, during or after the fulfillment or termination of the contract. The Contractor



may transfer to a subcontractor appropriate documents, data and information provided by the Company for the subcontractor to perform its work under the contract; in this case, the subcontractor shall have an undertaking to the Contractor to keep such documents, data or information confidential.

- 16.2. The Company shall not use the documents, data and other information received from the Contractor for any purpose other than the contract. The Contractor shall not use the documents, data and other information received from the Company for any purpose other than the performance of the contract.
- 16.3. The obligations of the Company and the Contractor specified in under GCC Sub-Clauses 16.1 and 16.2 shall not apply to information that:
- a) Information that the Company or Contractor needs to provide to the competent authority;
 - b) Information that has been or will be published through no fault of the Company or Contractor;
 - c) Information owned by one party at the time of publication and not previously provided directly or indirectly by the other party;
 - d) Information that a party lawfully receives from a third party that is not under an obligation to keep the information confidential.
- 16.4. The provisions of GCC Clause 16 shall not in any way modify any confidentiality commitments made by a party prior to the date of signing the contract relating to the provision of goods and services.
- 16.5. The provisions of GCC Clause 16 shall continue in effect after fulfillment or termination of the contract for any reason.

17. Technical Specifications and Standards

Goods (and Related Services) supplied under this Contract shall conform to the technical specifications and standards mentioned in Appendix No. 01 - Scope of Supply; and when no applicable specification or standard is mentioned, the applicable specification or standard shall be equivalent or superior to the official standards currently applied in the Goods' country of origin.

18. Packing

The Contractor shall provide such packing of the Goods as is required in the PO and is suitable with each type of transportation means during transit to their final destination. The packing shall be sufficient to prevent the Goods from damage or deterioration due to rough handling and other environmental impacts. Packing case size and weights shall take into consideration the conditions of transportation such as distance, type of transport mean, infrastructure, etc. from origin to specified destination.

19. Insurance

Goods supplied in the Contract shall be fully insured to cover losses or damages occurred in production process, transportation, stocking and delivery as described in the PO.

20. Transportation and Incidental Services

Conditions about Transportation and Incidental Services are specified in the PO.

21. Goods Inspections and Testing

The Contractor must test and take inspection of Goods and related services relevant to the provisions of the Contract and bear all testing and inspection costs according to the provisions of the Contract.

22. Damages

Damages are specified in the PO.



23. Warranty

The Contractor warrants that all the Goods supplied under Contract are new, unused, and the quality is in accordance with manufacture standard, unless otherwise provided in the Contract. The Contractor further warrants that the Goods shall be free from defects that cause problems under normal use.

Warranty period and place for the Goods is specified in Article 9 of the PO.

24. Force Majeure

24.1 For purposes of this Clause, “Force Majeure” means events beyond the control and foreseeability of the parties, such as wars, revolutions, fires, natural disaster, floods, epidemics, quarantine restrictions.

If a Force Majeure situation arises, the affected party shall promptly notify the other party in writing of such condition and the cause thereof. The affected party also has to give given by authorised organisation in the place of event.

During the Force Majeure, Contractor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. In this case, the Company shall consider reimbursing the Contractor necessary and reasonable additional and necessary costs beared by the Contractor.

24.2 Neither the party shall be liable for forfeiture of its Performance, liquidated damages, or if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

In case dispute arising due to Force Majeure shall be resolved according to GCC Clause 7.

25. Amendment, Addendum of Contract

25.1 Amendments to the Contract shall be applied in the following cases:

- (a) Changes in drawings, designs, or technical requirements, where Goods to be furnished under the Contract are to be specifically manufactured for the Company;
- (b) Changes in method of goods transportation or packing;
- (c) The place of delivery;
- (d) Changes of related services;
- (e) The schedule of delivery.

25.2. In case the amendment, addendum to the work content of the contract specified in Clause 25.1 GCC change the cost or implement time of any terms in the contract, price or delivery time and the completion date of the relevant service must be make corresponding adjustments and the two parties will amend the contract. The Contractor's request to adjust the contract's price, delivery time or completion date must be made within 28 days from the date the Contractor receives the Company's request to amend the scope of work.

25.3. In case the Contractor provides goods with a new version of the same manufacturer, the same origin, with technical requirements, configuration, parameters... equivalent or better than the version that the Contractor proposed in their proposals, the Contractor must notify the Company in writing for the Company's consideration. In this case, based on usage needs, the Company could accept the Contractor's proposal provided that the unit price and other terms and conditions of the contract remain unchanged.

25.4. In case of performing related services that has not stated in the contract, the Company and Contractor will negotiate to ensure the unit price is consistent with the market price.

25.5. The Company and the Contractor will negotiate to sign a contract's amendment in case of amendments. All transactions during the implementation of the Contract are made in writing by the Parties and sent by post or by fax number to the registered address or fax number of each



Party specified in the Contract and email to the email address according to the form in Appendix 4 (A, B) attached.

In case the Contractor's proposal is accepted by the Company and it makes the reduce of the contract price, the Company shall pay the Contractor with the rate that specified in the Contract to the price reduction value. And if it makes the increase of the contract price, the Company shall pay the Contractor the arising value.

26. Amendment in Delivery Schedule

26.1. During the contract implementation time, in case of unfavorable conditions arise that prevents the Contractor or subcontractor from providing goods and performing related services as prescribed in Clause 9 GCC, The Contractor must promptly notify the Company in writing about the delay, reason, and duration of delay. Based on the Contractor's notice, the Company must quickly consider the situation and extend the contract. In case the Company agrees to extend the contract, the two parties will negotiate to sign amendments, supplement the contract.

26.2. Except the force majeure specified in Clause 24 GCC, if the Contractor delivers the Goods or completes related services lately, he is obliged to compensate the Company as prescribed in Clause 22 GCC.

27. Contract Termination

27.1. Contract Termination due to faults:

a) The Company may terminate partial or all of the Contract without prejudice to other remedies for breach of contract by informing the Contractor by letter about the breaches in the contract in the following cases:

(i) The Contractor cannot deliver the goods or part of the goods within the shipment time as specified in the contract, or within the extension period as specified in Clause 26 GCC;

(ii) The Contractor does not perform any other obligations under the contract;

(iii) The Company show that the Contractor violated one of the prohibited acts specified in Article 16 of the Bidding Law during the bidding process or contract implementation;

b) In case the Company terminates partial or all of the contract according to Point a of this Clause, the Company may purchase similar goods and related services that have not been performed according to the terms and conditions and methods. The Contractor shall be responsible for compensating the Company for arising costs from purchasing of such similar goods and services. However, the Contractor must continue to perform the part of the contract that was not terminated.

27.2. Contract Termination due to insolvency

In case the Contractor goes bankruptcy or becomes insolvency, the Company may terminate the contract at any time by sending notice to the Contractor. In such case, the Contract shall terminate and the Contractor shall not be entitled to compensation provided that termination shall not fact or prejudice any rights of action or remedy of the Company at any time.

28. Patent indemnity

28.1. The Contractor shall, subject to the Company's compliance with GCC Sub-Clause 28.2, indemnify and hold harmless the Company and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Company may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the contract by reason of:



a) The installation of goods by the Contractor or the use of goods in Vietnam;

b) The sale of the products produced by goods.

Such indemnity shall not cover any use of goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the contract, neither any infringement resulting from the use of goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the bidder, pursuant to the contract.

28.2. If any proceedings are brought or any claim is made against the Company arising out of the matters referred to in GCC Sub-Clause 28.1, the Company shall promptly give the Contractor a notice thereof, and the Contractor may at its own expense and in the Company's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

28.3. If the Contractor fails to notify the Company within 28 days after receipt of such notice, that it intends to conduct any such proceedings or claim, then the Company shall be free to conduct the same on its own behalf.

28.4. The Company shall, at the Contractor's request, afford all available assistance to the Contractor in conducting such proceedings or claim, and shall be reimbursed by the Contractor for all reasonable expenses incurred in so doing.

28.5. The Company shall indemnify and hold harmless the Contractor and its employees, officers, and subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Contractor may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Company.

29. Change in laws and regulations

Unless otherwise specified in the contract, if after the date of 28 days prior to deadline for submission of bids, any law or regulation is promulgated, abrogated, or changed in Vietnam that subsequently affects the Delivery Date and/or the contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 11.

30. Export restriction

Any to provide deliveries or services, provided that the Contractor can declare to the satisfaction of the Company that it has completed all formalities in a timely manner, including applying for permits export restrictions which arise from trade regulations from a country supplying the goods or services, and which substantially impede the Contractor from meeting its obligations under the contract, shall release the Contractor from the obligation, authorizations, and licenses necessary for the export of the goods or services under the terms of the contract. Termination of the contract on this basis shall be for the Company's convenience.



(FOR INTERNATIONAL CONTRACTOR)

PURCHASE ORDER

_____, day ____ month ____ year ____

FACSIMILE!

PURCHASE ORDER No.

This Facsimile Transmission (Total ____ pages)

Company:

Country:

Fax:

From: Vietsovetro

105 Le Loi St., Vung Tau Ward, Ho Chi Minh City, S. R.Vietnam

Subj.: Provision of (VSP's Inquiry No.)

Dear Sir,

Thank you for your offer **Provision of** (ITB No. VT-/.....-.....). We are pleased to confirm this Purchase Order on the terms and conditions as follows:

This transaction is made between:

VIETSOVPETRO

105 Le Loi Street, Vung Tau Ward, Ho Chi Minh City, S.R.Vietnam

Hereinafter referred to as the Buyer.

AND

.....

Hereinafter referred to as the Seller.

ARTICLE 1: OBJECT

The Seller agrees to sell and the Buyer agrees to buy (VSP's Inquiry No.) hereinafter referred to as "Goods", with the quantity, specifications, scope of supply as described in Appendix No. 01 (in pages) which are considered as an integral part of this Purchase Order.

- All Goods are manufactured in 2025 or later.

- The Goods will be used for Petroleum activities in Block..... of Vietsovetro.

ARTICLE 2: PRICE AND TOTAL VALUE

2.1 The unit prices for the Goods are specified in the Appendix No. 01 of this Purchase Order.

2.2 The total value of this Purchase Order is **USD** - CFR Vietsovetro Port, Ho Chi Minh City, S.R Vietnam – Incoterms 2020.

(In words:)

2.3 The price as mentioned above is understood CFR – Vietsovetro Port, Ho Chi Minh City, S.R Vietnam - Incoterms 2020, not subject to any alteration and includes value of the Goods, packing, marking, painting, assembling, testing, inspection, manufacturer's certificates, freight, export license if necessary, guarantee services if any etc... in accordance with terms and conditions of this Purchase Order as well as all duties levied in connection with the performance of this Purchase Order outside the Buyer's country.

ARTICLE 3: DELIVERY

3.1 Delivery date: Not later than 90 days from the date of signing contracts for groups 1, 2, 6, 8, 9, 10 and 120 days from the date of contract signing for groups 3, 4, 5, 7 to the date that the Goods arrival at Vietsovetro's port (included navigation and transportation time).

Earlier shipment is allowed.

Partial shipment is allowed: 01 shipment for each group, max. 2 shipments.

Transshipment and multimodal transport are allowed at Seller's care and account.

3.2 Shipment to be made from port to Vietsovetro Port, Ho Chi Minh City, S.R.Vietnam on the term CFR - Vietsovetro Port, Ho Chi Minh City, S.R.Vietnam – Incoterms 2020, except the otherwise stated in this Purchase Order.

The Seller shall be responsible for any extra transport, warehouse expenses, taxes and other charges incurred in connection with sending of Goods to the other port/wrong port (rather than Vietsovetro port, Ho Chi Minh City, S.R. Vietnam). The Buyer shall carry out all inland transportation from other port to Vietsovetro port, Ho Chi Minh City, S.R. Vietnam and these charges will be deducted from payment by the Buyer.

In case the actual number of shipments exceeds the number specified in the Purchase Order, the Seller shall be responsible for all costs incurred for the shipments exceeding those stipulated in the Purchase Order, and these incurred costs shall be deducted from payment by the Buyer.

3.3.1 The Delivery Date is understood as: The date that Goods arrival at Vietsovetro port (included navigation and transportation time).

The date of arrival mention here will following the date of arrival of the Goods at Vietsovetro port that indicated in "Arrival Notice" of Vessel Agent.

3.4. The carrying vessel must have ISM certificate.

ARTICLE 4: NOTICE OF SHIPMENT AND DOCUMENTATION

4.1 The Seller shall notify the Buyer by fax as soon as possible, but not later than 03 working days from the Bill of Lading date the following information regarding the shipment:

- Purchase Order Number
- Name of Goods, quantity and value
- Number of cases, gross weight, measurement
- Bill of Lading number and its date.
- Name of vessel, nationality.
- Port of exit, ETD/ ETA
- Address, telephone, fax of the shipping agent in Vietnam.
- Any other special instructions, which should call to the Buyer's attention.

The Seller shall be responsible for any losses, expenses which may be occurred due to incorrect information from the Seller to the Buyer.

4.2 Required shipping document for purchased goods.

4.2.1. By T/T:

Immediately but not later than 03 working days from the Bill of lading date the Seller shall send by Express courier or FEDEX or DHL at the Seller's expenses to "Vietsovetro" - 105 Le Loi, Vung Tau Ward, Ho Chi Minh City, SR Vietnam the following shipment documents:

1. **Clean on board Bill of Loading** evidencing shipment from port with destination Vietsovetro Port, Ho Chi Minh City, S.R.Vietnam, consignee: Vietsovetro 105 Le Loi



Street, Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam, marked "Freight prepaid": 02 Originals and 02 copies.

2. **Detailed Packing List** showing the content of each case or lot, gross and net weight: covering Goods as specified in Appendix No. 01 to this Purchase Order: 02 originals and 02 copies.

3. **Signed Commercial Invoice** issued by the Seller for the respective shipment value indicating CFR Vietsovpetro Port, Ho Chi Minh City, S.R.Vietnam, with itemized and total prices: 02 originals and 02 copies.

4. **Certificate of Quality and Quantity** issued by manufacturer/ manufacturer's branch: 02 originals/electronic provided web-link to check and 02 copies.

5. Certificate of Origin (CO/eCO) issued by the Chamber of Commerce of Manufacturer's/ Exporter's country: 02 Originals/electronic provided web-link to check.

6. **Certificates of Guarantee** issued by the Seller for the quality of Goods for the period of 12 months from the date of delivery: Original.

7. Other certificates: according to section 8 -Technical Requirements.

8. **Export License or Letter of the Seller** stating that Export License is not necessary for export: 01 original and 02 copies.

9. **Seller's cable or telex, fax** advising the shipment details (Invoice value, Bill of Lading date) to Vietsovpetro: 01 copy.

All the copies of the documents shall be legible, otherwise the photocopy of the original shall be furnished.

Seller shall be submit for Vendor data register list (VDRL) to Buyer for review/approval not later than 02 weeks from the date of Letter of Intent.

4.2.2. By L/C:

Immediately but not later than 05 working days from the Bill of lading date the Seller shall send by Express courier or FEDEX at the Seller's expenses to Vietsovpetro - 105 Le Loi Str., Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam the following shipment documents unless otherwise stated:

1. **Clean on board Bill of Loading** evidencing shipment from port with destination Vietsovpetro Port, Ho Chi Minh City, S.R.Vietnam, consignee: Vietsovpetro 105 Le Loi Street, Ho Chi Minh City, S.R. Vietnam, marked "Freight prepaid": 02 originals and 02 copies.

2. **Detailed Packing List** showing the content of each case or lot, gross and net weight: covering Goods as specified in Appendix No. 01 to this Purchase Order: 02 originals and 02 copies.

3. **Signed Commercial Invoice** issued by the Seller for the respective shipment value indicating CFR Vietsovpetro Port, Ho Chi Minh City, S.R.Vietnam, with itemized and total prices: 02 originals and 02 copies.

4. **Certificate of Quality and Quantity** issued by manufacturer/ manufacturer's branch: Original/electronic provided web-link to check.

5. Certificate of Origin (CO/eCO) issued by the Chamber of Commerce of Manufacturer's/ Exporter's country: Original/ electronic provided web-link to check.

6. **Certificates of Guarantee** issued by the Seller for the quality of Goods for the period of 12 months from the date of delivery: Original.

7. Other certificates: according to section 8 -Technical Requirements.

8. **Export License or Letter of the Seller** stating that Export License is not necessary for export: 01 original and 02 copies.



9. **Seller's cable or telex, fax** advising the shipment details (Invoice value, Bill of Lading date) to Vietsovpetro: 01 copy.

All the copies of the documents shall be legible; otherwise the photocopy of the original shall be furnished.

4.3 If shipment to be made through a FIATA Freight Forwarder, under Through or Combined Transport Bill of Lading, the Seller shall have to send the Buyer by fax the copy of Local Bill of Lading of the last distance and inform the Buyer the name, contract address of the Transportation Agent in Vietnam.

4.4 Any storage demurrage or other charges due to non-receipt of shipping advice and/or shipping documents by the Buyer from the Seller or the Seller's agent as well as due to incorrect shipping document shall be at the Seller's account.

4.5 From the date of Letter of Award (LOA), The Seller must provide the Buyer with a regular report once a month on the first day of the month, showing the process of manufacturing, manufacturing, testing and supplying the Goods.

This report please send to email:@vietsov.com.vn and c/c:hq@vietsov.com.vn. The Seller must immediately report to Buyer the content of the report at least includes the following contents:

a) Description of the work completed in the implementation stage;

b) Highlighting delays or delays that are likely to occur and the causes of delays affecting production progress and providing measures to ensure progress;

c) Change progress if any. During the implementation of the contract, all contacts of Seller send an official letter for VSP leader and send a copy by email:@vietsov.com.vn and c/c:@vietsov.com.vn.

4.6 Party B must ensure to provide all necessary documents as required in Article 4.2 of this Contract when delivering goods to Party A. In case Party B delivers goods to Party A's warehouse in Ho Chi Minh city but does not have all the required documents, Party A agrees to allow Party B to temporarily store the goods at the warehouse to wait for the complete collection of documents at no extra charge for first 05 calendar days. From the 6th day onwards, Party B will have to pay Party A the storage cost of the shipment according to the current storage unit price of Party A that is applied to Party A's customers. This storage cost that will be deducted directly from the invoice for this Contract or from any other payments of the Contract that duly signed by both parties

ARTICLE 5: PACKING

5.1 Goods supplied under this Purchase Order shall be packed in accordance with international standard for export packing to ensure safety of Goods from damages and corrosion during transportation and suitable for crane operations and handling.

5.2 Before packing, all metal parts of Goods must be preserved with proper grease and wrapped in waterproof strong paper to ensure protection from any damage and corrosion during their transportation and storage in Buyer's country within the guarantee period.

5.3 The Seller shall provide for each package a detailed packing list in English indicating the Purchase Order number, description of items, gross and net weight. One copy of the packing list in a waterproof envelope shall be put into each case with the Goods, the other copy should be fastened to the outer side of the wooden case and shall be covered with a metal plate nailed to the case. For steel cases, both copies of the packing list should be put into the cases.

5.4 The Seller shall be fully responsible for loss, damage of breakage of the Goods and/or rusting/corrosion resulting from defective or inadequate packing.



ARTICLE 6: MARKING

6.1 Marking shall be done in three sides of each case containing Goods, on the two opposite sides and on the top and contain the following information in the English language:

Shipper:
Consignee: VIETSOVPETRO 105 Leloi Street, Vung Tau Ward, Ho Chi Minh city, S.R.VietNam
Purchase Order No.
Case No. /
Dimensions: Length x Width x Height in cm
Gross WEIGHT (KGS)
Net Weight (KGS)
Airport/Port of Destination

- 6.2 The marking must be clearly done by indelible paint and not less than 5 (five) cm high, unless restricted by the size of the case. Where necessary, the Seller shall conspicuously mark on the side of the case appropriate international marks according to the different characteristics, the special marking “Top”, “Bottom”, “Handle with care”, handling places for reloading.
- 6.3 For the oversized cases (more than 10M long), as well as for the case weighing 500 kgs and more, or if the height of the case exceeds one meter, the center of gravity shall be clearly shown with bright indelible paint with sign (+) on the end and side faces of the cases.
- 6.4 The case number shall be indicated by a fraction, the numerator shows the ordinal number of the cases, and the denominator indicates the overall quantity of the cases into which completely delivered Goods are packed.
- 6.5 The Seller shall be responsible for any kind of losses and/or damages of the Goods during loading and unloading as well as for its transportation as a consequence of improper or insufficient marking, as well as for any extra transportation and warehouse expenses, losses connected with misaddressed delivery of the Goods due to incomplete marking.

ARTICLE 7: PAYMENT CONDITIONS

By T/T:

- 7.1 One hundred percent (100%) of shipment value (after deducting the related fees as in Articles 3.2 and 3.5 above) shall be paid by Telegraphic Transfer to the Seller’s account within thirty (30) days from the date of the Certificate of quantity and condition issued by Independent Inspection Company at Buyer’s warehouse after receipt of the Goods and a full sets of documents above mentioned in Articles 4.
- 7.2 Transfer fee shall be on the Buyer’s account.
- 7.3 All the banking fees, including bank commission and other charges associated with the advising and corresponding bank shall be on the Seller’s account.
- 7.4 All charges in connection with the change of payment’s form/ conditions (whether occurred inside or outside S.R.Vietnam), due to Seller’s/Buyer’s request, shall be at the Seller’s/ Buyer’s account.
- 7.5 The Seller provides Seller’s bank account number.

By L/C:

- 7.6 As soon as possible, but not later than fifteen (15) days after the date of Seller’s reconfirmation the Buyer will open through the Bank for Foreign Trade of Vietnam, Vung Tau Branch, (Vietcombank Vung Tau) or other bank in Vietnam the Irrevocable and Unconfirmed Letter of Credit in favour of the Seller covering the total Purchase Order value with the content as per Appendix 1 which is to be considered as an integral part of this Purchase Order.

The validity of the Letter of Credit shall cover the Delivery Date plus 21 days.

- 7.7. Payment under this Letter of Credit shall be made for shipment and in the following installments to the Seller:
- 7.7.1. First Installment: 90% (Ninety percent) of the shipment value shall be made upon presentation of the following documents in English language by the Seller to the Bank:
1. **Clean on board Bill of Lading** evidencing shipment from port with destination Vietsovetro Port, Ho Chi Minh City, S.R.Vietnam, consignee: Vietsovetro 105 Le Loi Street, Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam, marked "Freight prepaid": 02 originals and 02 copies.
 2. **Detailed Packing List** showing the content of each case or lot, gross and net weight: covering Goods as specified in Appendix No. 01 to this Purchase Order: 02 originals and 02 copies.
 3. **Signed Commercial Invoice** issued by the Seller for the respective shipment value indicating CFR Vietsovetro Port, Ho Chi Minh City, S.R.Vietnam, with itemized and total prices: 02 originals and 02 copies.
 4. **Certificate of Quality and Quantity** issued by manufacturer/ manufacturer's branch: Original/ electronic provided web-link to check.
 5. Certificate of Origin (CO/eCO) issued by the Chamber of Commerce of Manufacturer's/ Exporter's country: Original/ electronic provided web-link to check.
 6. **Certificates of Guarantee** issued by the Seller for the quality of Goods for the period of 12 months from the date of delivery: Original.
 7. Other certificates: according to section 8 -Technical Requirements.
 8. Export License or Letter of the Seller stating that Export License is not necessary for export: 01 original and 02 copies.
 9. Seller's cable or telex, fax advising the shipment details (Invoice value, Bill of Lading date) to Vietsovetro: 01 copy.

All the documents presented by the Seller to the Bank shall be duly certified by the Seller as correct, due and payable under the terms and conditions of the Letter of credit.

Payment for incomplete delivery will not be allowed.

- 7.7.2. Second Installment: Ten percent (10%) of shipment value (after deducting the related fees as in Articles 3.2 and 3.5 above) shall be payable against confirmation of the Buyer to the Bank within 30 days after the date of the Certificate of quantity and condition issued by Independent Inspection Company at Buyer's warehouse and Invoice.
- 7.8 The Letter of Credit shall be subject to the Uniform Customs and Practice for Documentary credit of International Chamber of Commerce (UCP No. 600), 2007 revision.
- 7.9 All the banking fees, including bank commission charges and other charges associated with the opening bank shall be on the Buyer's account.
- 7.10 All the banking fees, including bank commission charges and other charges associated with the advising and corresponding bank shall be on the Seller's account.
- 7.11 All charges in connection with the amendments of the Letter of Credit (whether occurred inside or outside S.R. Vietnam), due to Seller's/Buyer's request, shall be at the Seller's/ Buyer's account.
- 7.12 All charges associated with any extension of the Letter of credit arising due to delay in delivery as stated in Article 3 of this Purchase Order shall be at the Seller's account.

7.13 The Letter of Credit is to be automatically cancelled within 15 days from the date of opening, if the Buyer does not receive the original Performance Bond in favour of the Buyer with the content as stated in Appendix 2 of this Purchase Order.

ARTICLE 8: GOODS'S SURVEY

- 8.1 The survey at Buyer's warehouse of the received Goods shall be made by Independent Inspection Company with issuing a Certificate of quantity and condition.
- 8.2 The Certificate of quantity and condition issued by Independent Inspection Company for the Goods supplied under this Contract at Buyer's warehouse shall be legal document for Buyer to make claim to the Seller.

ARTICLE 9: GUARANTEE

- 9.1 The Seller guarantees that the Goods supplied under this Purchase Order shall be of the highest quality and designed standard as set in Manufacture's country for that type of Goods and shall meet current technological achievements as required, and shall be suitable for normal operation in tropical area condition regarding environment temperature up to 45 Deg.C, humidity up to 100%.
- 9.2 Proper material of high quality shall be used for manufacturing the Goods to be supplied under this Contract, and the Seller guarantees that the Goods and its quality, quantity shall be fully in compliance with the technical specifications and scope of supply as mentioned in Article No.1 to this Purchase Order.
- 9.3 The Seller guarantees normal operation of all Goods to be supplied under this Purchase Order *months* from the date of delivery.
- 9.4 Should the Buyer reveal any defect within the guarantee period or if the quality of Goods supplied under this Purchase Order is not in compliance with terms and conditions of this Purchase Order and its appendix, the Buyer shall notify the Seller by telex/ fax of such defect. To substantiate the claims the Buyer shall submit to the Seller the official inspection report issued by Independent Inspection Company. The report of quality issued by Independent Inspection Company shall be legal document for Buyer to make claim to the Seller.
- Any claim relating to defects or non-conformity, which occurred during the guarantee period of the Goods with the technical conditions as stated in the Appendix No.1 shall be submitted to the Seller not later than three months after expiration of the guarantee period.
- 9.5 The Seller shall inform the Buyer about the results of consideration of claim not later than 14 days after receipt of the Buyer's claim telex/fax and the Seller shall eliminate the revealed defects, at his own expenses, at the Buyer's fist request without any delay, but not later than 15 days after receipt of the Buyer's claim telex/fax and/or replace the defective parts or the missing parts by the new ones of good quality on the condition CIF-Vietsovpetro port (or CIP-Tan Son Nhat airport), S.R.Vietnam. All charge associated with return of the defective Goods to the Seller and delivery the new one to Buyer shall be at the Seller's account.
- 9.6 Should the Seller fail to eliminate the defects as claimed, or fail to deliver new Goods within the stipulated time in Article 9.5, the Buyer shall charge to the Seller the agreed and liquidated damages at the rate as per Article 10, the period of the above penalty shall be counted from the date of which the Seller receives the Buyer's official claim to the date of elimination of the defects or to the delivery date of the new replacement Goods minus 15 days or the Buyer shall have the right to eliminate such defects at the Seller's expenses without prejudice to its right in respect of the guarantee, and the Seller undertakes to defray at fist Buyer's request all actual expenses incurred in respect of such elimination and the agreed and liquidated damages at the rate 8% value of non-used Goods due to defect found. Small defects not requiring the Seller's participation and/or permitting no delay will be eliminated by the Buyer and charged at normal costs to the Seller.



- 9.7 The guarantee period for replaced part shall be equal to that indicated in Article 9.3 and the guarantee period for Goods will be extended by the time during which it was not used due to defect found.
- 9.8 When the elimination and/or replacement is made and all related costs, expenses are settled, the claim is to be considered as finally settled.

All the claim amount, for which the Seller is to be responsible to the Buyer under this Contract may be deducted by the Buyer from the payment of the Contract value or may be covered by act of law or otherwise from the Seller to be agreed by both parties.

ARTICLE 10: DAMAGES

- 10.1. The Seller must deliver goods as specified in Appendix 01 and by the date as stipulated in the Purchase Order. If delayed in delivery the Seller shall pay to the Buyer the agreed and liquidated damages as follows:

- Delay in the first four weeks: 1.00% of group value per week.
- Delay in each following week: 1.50% of group value per week.

When calculating the amount of the agreed and liquidated damages: One week is to be defined as 07 days with 04 days or more than 04 days to be considered as one week, 03 days and less will not be counted.

The agreed and liquidated damages for delay in delivery calculated until the total amount of agreed and liquidated damages for delay shall not exceed 08% of that group value per week.

- 10.2. If The Seller does not deliver the sufficient quantity and types of goods for each group as prescribed in Appendix 01 of this Contract, in that case:

- The Seller shall pay to the Buyer the agreed and liquidated damages an amount equal to 08% of group value with undelivered item.

- 10.3. If the number of shipments exceeds the ones prescribed in Article 3, then the Seller is responsible for paying the extra costs for the exceeded shipments according to the prevailing prices which are applied by the Buyer to the current customers.

- 10.4. If the supplied goods do not conform to the quality as specified in Article 2 of the Purchase Order, the Buyer shall be entitled to refuse those Goods and payment of the Purchase Order, the Seller shall pay to the Buyer the agreed and liquidated damages as stipulated in Article.10.2. The Buyer shall be entitled to accept / not accept that the Seller will provide new goods to replace the defective ones.

- 10.5. Delay in delivery / insufficient quantity:

- 10.5.1. If delay in delivery exceeds 60 calendar days against the stipulated date as in Article 3.1 of this Purchase Order, except the Force majeure circumstances, the Buyer shall be entitled to:

a) Appoint a third party capable of providing goods/ goods with services. In that case, The Seller is responsible for signing a contract with that appointed party to continue performing the work.

Or;

b) Directly enter into contract with that third party buying goods / goods and services to continue performing the contract work. In that case, The Seller must pay the difference amount and other related costs and charges (if any).

Or;

c) Unilaterally terminate the Purchase Order and in this case The Seller shall pay to the Buyer the agreed and liquidated damages an amount equal to 08% of the breached Purchase Order value.

10.5.2. If the Seller delayed in delivery of one portion more than 60 calendar days as specified in Article 3.1 of this Purchase Order except the Force majeure circumstances, the Buyer shall be entitled to:

a) Appoint a third party capable of providing goods / goods with services. In that case, The Seller is responsible for signing a contract with the designated party to continue performing the work.

Or;

b) Directly enter into contract with the third party buying goods / goods and services to continue performing the contract work. In that case, The Seller must pay the difference amount and other related costs and charges (if any).

c) Unilaterally terminate the Purchase Order and in this case The Seller shall pay to the Buyer the agreed and liquidated damages an amount equal to 08% of the breached Purchase Order value.

10.6. The total amount of the agreed and liquidated damages should not exceed 08% the Purchase Order value.

10.7. The amount of the agreed and liquidated damages stated in Article 10 of this Purchase Order is exclusive of VAT and import tax.

10.8. The Buyer shall be entitled to :

1) Deduct the amount of agreed and liquidated damages from the payment for this Purchase Order or from any payment for other Purchase Order (if any) between both sides.

2) Request the Seller's issuing Bank to pay the amount equal to the Performance Bond's value;

3) The Buyer shall make a written request to the Seller for the amount of agreed and liquidated damages payment. In all cases, The Seller should have to make commitment to the Buyer for the agreed and liquidated damages payment.

10.9. Any compensation for damage (if any) other than the liquidated damages agreed above shall be made in accordance with the law of Vietnam.

ARTICLE 11: PERFORMANCE BOND

11.1 As soon as possible within 07 (seven) calendar days from the date signing Purchase order (specified on page 01 of the contract), the Seller shall inform the Buyer by fax/telex of the issuance of the Performance Bond coveringpercent (.....%) of the Purchase Order amount, issued by the banks/branches legally operated in VietNam, acceptable to the Buyer, informing the number, date of issue and full content. In case the Performance Bond issued by the banks/branches legally operated in VietNam, the Seller shall ensure that the issuing Bank will send to the Buyer the original Performance Bond through Vietcombank Vung Tau Branch. The content of the Performance Bond shall be in conformity with the Appendix No.1 of this Purchase Order.

All costs relating to the Performance Bond shall be at Seller's account.

11.2 Should the Buyer not receive the valid, satisfactory Performance Bond within 30 days from the Purchase Order signing date, the Buyer has the right to cancel the Purchase Order at any time and withdraw the Bid Bond without recourse to the law court or to arbitration.

11.3 Should the validity of the Performance Bond be required to be extended (due to delay or extension of Delivery Date of Goods) Seller shall immediately instruct the Issuing Bank to make amendment to the Performance Bond. Such amendment shall be advised by the Issuing Bank to Buyer through Vietcombank Vung Tau Branch.

11.4 Should the Buyer make use of Performance Bond, it will immediately send to the Seller copy of declaration to the bank.



ARTICLE 12: FORCE-MAJEURE.

- 12.1 Force majeure is an event occurring in an objective manner which is unforeseeable and unrecoverable despite all necessary and possible measures being taken such as war, riot, armed conflict, embargo, natural disaster (flood, storm, tornado, earthquake, tsunami), fire, epidemic/pandemic announced by WHO/ Country, a Region/ Country blockade order imposed by the Host Government.
- 12.2 The party encountering a force majeure event that leads to the failure to perform their obligations under the contract due to the direct influence of the force majeure event is obliged to immediately notify the other party, including the provision of information, explanation on the direct impact of the force majeure event leading to the breach of contract performance with evidence to prove measures taken to remedy the problem and minimize the damage. Delay in notification, provision of information and explanation, if later than 14 calendar days after the force majeure event occurs, shall cause the party encountering the force majeure event to lose the right to waive responsibility later on due to force majeure.
- 12.3 The written certification of the Vietnam Chamber of Commerce and Industry or the competent agency in the place where the force majeure event occurred is sufficient evidence to prove the event and the time of the force majeure.
- 12.4 If the force majeure event lasts more than 02 months, each party has the right to terminate this contract without having to compensate any amount of money for the other party.
- 12.5 The difficulties in production such as lack of materials, electricity, labor, strike are not considered force majeure and do not exempt Party B from the obligation of delivery or late delivery; Information from newspapers, the network and other media is for reference only.

ARTICLE 13: LAW AND ARBITRATION

- 13.1 This Purchase Order is governed and construed in accordance with the law of Vietnam.
- 13.2 Any disputes or discrepancies, which may arise out from this Purchase Order, shall be settled smoothly, amicably, basing on mutual benefit and mutual understanding.
- 13.3 All disputes arising out of or in relation to this Purchase Order shall be finally settled by Arbitration at the Vietnam International Arbitration Center (VIAC) in accordance with its rules of arbitration. The number of arbitrators is 03.
 - The number of arbitrators shall be one
 - The place of the arbitration shall be Hanoi
 - The applicable law shall be the law of Vietnam
 - The language of arbitrator shall be Vietnamese
- 13.4 Decision / award of the arbitration shall be final and binding upon both parties. The losing party will bear the arbitration fees.

ARTICLE 14: OTHER CONDITIONS

- 14.1 Any amendment or supplement of this Purchase Order shall be valid only if they are made in writing and signed by both parties.
- 14.2 Neither party shall be entitled to transfer its rights and obligations under this Purchase Order to any third party without the prior consent in writing of the other party.
- 14.3 All taxes, duties, custom fees in connection with the execution of this Purchase Order levied inside S.R. Vietnam but exception of Seller's personnel income tax and FCWT (if any) shall be at Buyer's account.
All taxes, duties, custom fees in connection with the execution of this Purchase Order levied outside S.R. Vietnam to be at Seller's account.
- 14.4 This Purchase Order shall come into force from the date of Seller's reconfirmation, which should be received by the Buyer within 07 days of this Purchase Order date and the Purchase



Order will be terminated upon fulfillment by both parties all their obligations as per stipulated in this Purchase Order.

14.5 This Purchase Order is made in English and consists of pages, including Appendixes No. 1, 2, 3 which are considered as integral parts of this Purchase Order (Appendix No. 01: Scope of supply and Price Table, Appendix No. 02: Performance Bond, Appendix No. 03: Letter Of Credit Specimen, Appendix No. 04(A,B): Form of Contract Transaction).

14.6 This Purchase Order is made in 05 originals of the same value, one of which retained by the Seller and three are retained by the Buyer.

14.7 Components of Purchase Order and legal order of precedence are as Clause 2 GCC.

We confirm that all of abovementioned terms and conditions of this Order are considered as terms and conditions of a Contract signed by and between two our companies.

This is an operative instrument, no mail/airmail will be followed.

Best regards,

FOR VIETSOVPETRO



Appendix No. 1 to the Purchase order No.....

This appendix is based on requirements stated in the Invitation for Bid, Bid Proposal and agreements achieved during negotiations and finalizing contract including price (extended price) for each item and scope of supply. Price (extended price) for each item and scope of supply has included all tax, fees and charges (if any) in accordance with tax rate, fee and charge at the time of 28 days prior to bid closing time of bid proposal.

GOODS PRICE TALBE

GOODS PRICE TALBE

1	2	3	4	5	6	7	8	9
No.	Description	Unit	Qty	Model, Code, Part number	Manufacturer	Origin	Unit Price (USD)	Extended Price (USD) (Column 4x8)
1	Item 1							M1
2	Item 2							M2

n	Item n							Mn
Total price in CFR Vietsovpetro port (USD)								M=M1+M2+..Mn

LEGAL REPRESENTATIVE OF CONTRACTOR

[Full name, title, signature and stamp]

LEGAL REPRESENTATIVE OF EMPLOYER

[Full name, title, signature and stamp]



**Appendix No. 2 to the Purchase order No.
FORM OF PERFORMANCE BOND**

_____, day ____ month ____ year ____

TO: VIETSOVPETRO
105 Le Loi Str, Vung tau Ward, Ho Chi Minh City, S.R. Vietnam
ATTN: Mr. Vu Mai Khanh - General Director

Dear Sir,

We, the undersigned (legal name and address of the Bank) have made due to note of Purchase Order No. _____ dated _____ (hereinafter referred to as the Purchase Order), concluded by yourselves **Vietsovpetro** (Hereinafter referred to as the Buyer) and (hereinafter referred to as the "Seller"), for **Provision of** as described in Appendix No. 01 of the Purchase Order with the Purchase Order amount In accordance with the term of the Purchase Order, the Seller is obliged to execute and perform the Purchase Order as agreed.

Taking into consideration of the above mentioned, we (legal name and address of the issuing Bank) hereby irrevocably and unconditionally undertake to pay you any amount stated hereunder on your simple demand accompanied by the written declaration that the Seller has failed to fulfill the Purchase Order as per terms and condition agreed.

Simple declaration from the Buyer shall be accepted by us conclusive evidence that the amount claimed is due to the Buyer.

The claim, if any, must be made by fax message or registered letter to reach us not later than the expiry date of this Performance Bond.

The limit of our liabilities under this Performance Bond shall not exceed the amount of ____ USD (03%) three percent of Purchase Order value

Partial drawing under this Performance Bond is acceptable, provided that all claims should reach us not later than the expiry date of this Performance Bond. After each partial drawing, the amount of this Performance Bond will be deducted accordingly, and this Performance Bond remains in force up to its expiration of total amount under this Performance Bond is drawn.

The payment under this Performance Bond shall be made by ourselves without deductions for any fees of any taxes, imports, levies or duties present or future of any nature inside of S.R. Vietnam.

It is further guaranteed by us, that the payment under this Performance Bond shall be made by us within seven (07) days from the receipt of your written demand marking reference to this Performance Bond.

The Performance Bond comes into force and becomes valid from the date of issuance.

The validity of this Performance Bond shall cover the delivery period of the last shipment as stated in Article 3 of the above-mentioned Purchase Order plus 60 days i.e _____.

When expired or implemented in full, this Performance Bond turns to be null and void.

Upon expiration of this Performance Bond, or on the settlement of all claims, this Performance Bond shall be returned to us without any request on our part.

Yours faithfully,
Authorized signature of the Bank



**Appendix No. 3 to the Purchase order No.
LETTER OF CREDIT SPECIMEN**

SUBJECT:

KIND OF L/C: IRREVOCABLE UNCONFIRMED L/C, AT SIGHT.

APPLICANT: VIETSOVPETRO

(THE BUYER) 105 Le Loi Street, Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam

BENEFICIARY:

1. (THE SELLER)

ADVISING BANK:

AMOUNT: _____ USD

(In words: United State Dollars _____) – CFR Vietsovpetro port, Ho Chi Minh City, S.R. Vietnam.

VALIDITY: The validity of the Letter of Credit shall cover the Delivery Date plus 21 days.

PAYMENT CONDITIONS:

Payment under this Letter of Credit shall be made for shipment and in the following installments:

I. First Installment: 90% (Ninety percent) of the shipment value shall be made upon presentation of the following documents in English language by the Seller to the Bank:

5. *01 original and 01 copy of clean on board Bill of Lading* evidencing shipment from port with destination Vietsovpetro port, Ho Chi Minh city, S.R.Vietnam, consignee: Vietsovpetro, 105 Le Loi Street, Vung Tau Ward, Ho Chi Minh City, S.R Vietnam, marked "Freight Prepaid".
6. *Detailed Packing List* showing the content of each case or lot, gross and net weight: covering Goods as specified in Appendix No. 1 to this Purchase Order: 01 original and 01 copy.
7. *Signed Commercial Invoice* issued by the Seller for the respective shipment value indicating term of delivery (for example: CFR Vietsovpetro port, Ho Chi Minh city, S.R.Vietnam) with itemized and total prices, stating the Seller's bank detail and account number: 01 original and 01 copy.
8. Certificate of Quality and Quantity issued by manufacturer/ manufacturer's branch: Original/electronic provided web-link to check.
9. Certificate of Origin (CO/eCO) issued by the Chamber of Commerce of Manufacturer's/ Exporter's country: Original/electronic provided web-link to check.
10. *Certificates of Guarantee* issued by the Seller for the quality of Goods for 12 months from issue date of Certificate of quantity & condition at Vietsovpetro warehouses: 01 original
11. Other certificates: according to section 8 -Technical Requirements.
12. *Export License* or *Letter of the Seller* stating that Export License is not necessary for export: 01 original and 01 copy.
13. *Seller's telex, fax* advising the shipment details (Invoice value, Bill of lading/Airway Bill's number and date) to Vietsovpetro: 01 copy and via *email: xndvcang.sd@vietsov.com.vn*.
14. *Beneficiary's certificate* certifying that one set of the above mentioned documents (from 1 to 10 including one original of AWB / Bill of Lading) have been sent to the Buyer's address: 105 Le Loi Street, Vung Tau Ward, Ho Chi Minh City, S.R Vietnam within 03 working days from the Delivery Date by Courier's (courier's receipt must be enclosed): 01 copy.

II. Second Installment: Ten percent (10%) of shipment value (after deducting the related fees as in Articles 3.2 and 3.5 of PO) shall be payable against confirmation of the Buyer to the Bank within 30 days after the date of the Certificate of quantity and condition issued by Independent Inspection Company at Buyer's warehouse.



The Letter of Credit shall be subject to the Uniform Customs and Practice for Documentary credit of International Chamber of Commerce (UCP No. 600), 2007 revision.

All the banking fees, including bank commission charges and other charges associated with the opening bank shall be on the Buyer's account.

All the banking fees, including bank commission charges and other charges associated with the advising and corresponding bank shall be on the Seller's account.

All charges in connection with the amendments of the Letter of Credit (whether occurred inside or outside S.R. Vietnam), due to Seller's/Buyer's request, shall be at the Seller's / Buyer's account.

All charges associated with any extension of the Letter of credit arising due to delay in delivery as stated in Article 3 of this Contract shall be at the Seller's account.

COVERING:

Scope of supply, specifications, Quantity and Prices are in accordance to Appendix No. 1 of Purchase Order No. _____

SHIPMENT:

Shipment to be made from _____ Port to Vietsovetro port, Ho Chi Minh City, S.R. Vietnam on the terms of - Incoterms 20...

Delivery Date: not later than ____ weeks from the date of opening L/C.

Earlier shipment is allowed

Partial shipment is allowed.

Total _____ shipments.

Transshipment is allowed at Seller's care and account

The Delivery Date is understood as the date of "Bill of Lading", consign to Vietsovetro, 105 Le Loi Street, Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam marked "Freight prepaid", with destination Vietsovetro port, Ho Chi Minh City, S.R. Vietnam.

PACKING AND MARKING: As per Purchase Order No. __ dated _____

SPECIAL CONDITIONS:

Agreed and liquidated damages for delay of delivery:

Shipment after above stated delivery date is allowed but not exceeds two months. For Bill of Lading dated after delivery date, Buyer's Bank is authorized to deduct the agreed and liquidated damages amount as late shipment as follows:

- Delay in the first four weeks: 1.00 % of group value per week.
- Delay in each following week: 1.50 % of group value per week.

One week is to be defined as 07 days, 04 days or more than 04 days to be considered as one week, 03 days and less will not be counted.

Total agreed and liquidated damage amount does not exceed 8% of group value.

The Letter of Credit is to be automatically cancelled within 15 days from the date of opening, if the Buyer does not receive the original Performance Bond in favour of the Buyer with the content as stated in Appendix No. 2 of this Purchase Order.



Appendix No. 4A to the Purchase order No.

SPECIMEN OF CONTRACTUAL TRANSACTION LETTER

Date month year 20 ..

To: **VIETSOVPETRO**
105 Le Loi Street, Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam

Fax: (84) 254 839857/Email: vspadmin@vietsov.com.vn

ATTN: Mr. Tran Quoc Thang + Deputy General Director
Mrs. Nguyen Thi Van Anh –Manager of VSP Commercial Dept.

Email: (vinhlt.hq@vietsov.com.vn, huongpt.hq@vietsov.com.vn)

(Insert the transaction content, including: Change of Goods/ Services, schedule, use of quota, contents regarding contract value, payment, etc.)

.....

On behalf of Supplier/Contractor
(Sign and stamp)

Appendix No. 4B to the Purchase order No.

SPECIMEN OF CONTRACTUAL TRANSACTION LETTER

Date month year 20 ..

To: **VIETSOVPETRO**
105 Le Loi Street, Vung Tau Ward, Ho Chi Minh City, S.R. Vietnam

Fax: (84) 254 839857/ Email: vspadmin@vietsov.com.vn

ATTN: Mrs. Nguyen Thi Van Anh –Manager of VSP Commercial Dept.
Mr. Do Manh Ha – Director of Port and Logistic Division
Mr. Nguyen Quoc Dung – Oil and Gas Production Division

Email: (vinhlt.hq@vietsov.com.vn, huongpt.hq@vietsov.com.vn)

(Insert the transaction content, including: *Delivery notice, Delivery of goods documents, notification of commencement of service/ construction, information on personnel/ equipment conducting service/ construction, etc.*)

.....

On behalf of Supplier/Contractor
(Sign and stamp)



(FOR VIETNAMESE CONTRACTOR)

Cộng Hòa Xã Hội Chủ Nghĩa Việt Nam
Độc Lập - Tự Do - Hạnh Phúc

HỢP ĐỒNG

Số: _____

V/v: **Cung cấp**
(Đơn hàng)

Căn cứ vào nhu cầu của Liên doanh Việt - Nga Vietsovpetro và khả năng cung cấp của Công ty

Hôm nay, ngày _____ tháng ____ năm _____, các bên gồm:

BÊN A: LIÊN DOANH VIỆT - NGA VIETSOVPETRO

- Địa chỉ: 105 Lê Lợi, Phường Vũng Tàu, TP. Hồ Chí Minh
- Điện thoại: 0254.3839871
- Fax: 0254.3839857
- Tài khoản số: 008100000011 tại Ngân hàng Ngoại thương VN, CN Vũng Tàu
- Mã số thuế : 3500102414
- Đại diện: _____

(Theo Giấy ủy quyền của Tổng Giám đốc Vietsovpetro số ____ ngày ____)

BÊN B:

Hai Bên thống nhất ký kết hợp đồng với các điều khoản sau:

ĐIỀU 1: Đối tượng hợp đồng

Bên A đồng ý mua và Bên B đồng ý bán (sau đây gọi tắt là “Hàng hóa”) với chủng loại, số lượng, đặc điểm kỹ thuật, đơn giá, giá trị hàng hóa theo Phụ lục 1.1 (.....trang) đính kèm và là một phần không thể tách rời của hợp đồng này. .

Hàng hóa của Hợp đồng này được Vietsovpetro sử dụng cho hoạt động dầu khí tại Lô 09-1.

ĐIỀU 2: Giá trị hợp đồng

2.1 Tổng giá trị hợp đồng là VND (Bằng chữ: Đồng)

Giá trị hợp đồng nêu trên không bao gồm thuế GTGT và thuế nhập khẩu của giá trị hàng hóa nhập khẩu ghi trên Tờ khai Hải quan – được miễn cho lô 09-1, nhưng đã bao gồm toàn bộ các thuế, phí và chi phí phát sinh trong lãnh thổ Việt Nam. Bên B sẽ sử dụng “Danh mục hàng hóa dự kiến nhập khẩu, tạm nhập tái xuất phục vụ hoạt động dầu khí được miễn thuế nhập khẩu” của Bên A để làm thủ tục nhập khẩu hàng hóa và miễn thuế theo Hiệp định.

2.2 Giá trị Hợp đồng nêu trên được tính trên cơ sở giao hàng tại kho Vietsovpetro tại Thành phố Hồ Chí Minh, bao gồm giá trị hàng hóa và các loại phí do Bên B chi trả như phí vận chuyển, đóng gói, bốc xếp lên phương tiện vận chuyển, giám định hàng hóa trước khi gửi hàng, ... và

các chi phí khác liên quan đến việc thực hiện Hợp đồng này (không bao gồm thuế GTGT và không bao gồm thuế nhập khẩu của giá trị hàng hóa nhập khẩu ghi trên Tờ khai Hải quan). Giá trên là giá cố định và không thay đổi trong suốt thời gian Hợp đồng có hiệu lực.

- 3.2 Thuế nhập khẩu, thuế GTGT được xác định theo quy định hiện hành của Nhà nước áp dụng cho Liên doanh Việt - Nga Vietsovpetro cho lô 09-1.

ĐIỀU 3. Quy cách, số lượng, chất lượng hàng hóa

- 3.1 Quy cách, số lượng, chất lượng, chủng loại, ký mã hiệu, hãng sản xuất, nước sản xuất, năm sản xuất và những thông số khác của hàng hóa do Bên B cung cấp phải phù hợp với quy định nêu trong Phụ lục số 1 của Hợp đồng này. Hàng hóa được sản xuất không trước năm 2025, mới 100% và trong tình trạng sử dụng tốt.

- 3.2 Hồ sơ kèm theo hàng hóa gồm:

- Chứng chỉ xuất xứ (CO) do phòng thương mại của nước sản xuất hoặc nước xuất khẩu hàng cấp: (bản gốc/bản điện tử có kèm đường link để kiểm tra).

- Chứng chỉ số lượng và chất lượng (CQ) có ghi năm sản xuất của hàng hóa do nhà sản xuất cấp (bản gốc/bản điện tử có kèm đường link để kiểm tra).

- Các chứng chỉ khác: phù hợp theo Điều 8 của Yêu cầu kỹ thuật.

- Chứng chỉ bảo hành của Bên B bảo hành 12 tháng kể từ ngày giao hàng (bản gốc).

- Tờ khai hải quan hàng hóa nhập khẩu (bản copy)

- Tài liệu kỹ thuật của hàng hóa (nếu có).

Hồ sơ mời thầu của Bên A và Hồ sơ dự thầu của Bên B cho gói thầu này là tài liệu tham chiếu về kỹ thuật cho hàng hóa của hợp đồng này.

ĐIỀU 4. Giao nhận và kiểm tra, giám định hàng hóa

- 4.1 Hàng hóa được giao phải phù hợp với yêu cầu quy định tại Điều 1.1 và Điều 3 của hợp đồng này trong thời hạn là **90 ngày kể từ ngày ký hợp đồng đối với nhóm 1, 2, 6, 8, 9, 10 và 120 ngày kể từ ngày ký hợp đồng đối với nhóm 3, 4, 5, 7**. Ngày giao hàng của hợp đồng này được ghi trong Biên bản giao nhận hàng do đại diện hai bên ký như quy định tại mục 4.8 dưới đây.

Định kỳ 02 tuần/lần (trước ngày 15 và 30 hàng tháng), Bên B có trách nhiệm thông báo bằng văn bản cho Bên A cập nhật tình hình đặt hàng, tiến độ sản xuất và kế hoạch giao hàng của hợp đồng. Trong quá trình thực hiện hợp đồng, nếu Bên B gặp vướng mắc liên quan đến việc giao hàng thì Bên B cần khẩn trương thông báo cho Bên A bằng văn bản để hai bên phối hợp xem xét xử lý nhằm đảm bảo việc cung cấp hàng hóa cho Bên A theo đúng chất lượng và tiến độ của hợp đồng.

- 4.2 (Đối với trường hợp nhà thầu sử dụng quota của VSP để nhập khẩu hàng hóa) Bên B tự chịu trách nhiệm làm thủ tục hải quan cho hàng hóa nhập khẩu. Bên A cho phép Bên B được sử dụng hạn mức nhập khẩu của Bên A đã đăng ký tại Hải quan Vũng Tàu để làm thủ tục nhập khẩu và hỗ trợ Bên B về mặt giấy tờ trong việc sử dụng hạn mức nhập khẩu của Bên A cho lô hàng nhập khẩu của Hợp đồng này để Bên B xin miễn thuế nhập khẩu và thuế giá trị gia tăng của giá trị hàng hóa nhập khẩu ghi trên Tờ khai Hải quan theo quy định cho Liên doanh Việt – Nga Vietsovpetro.

- 4.3 (Đối với trường hợp nhà thầu sử dụng quota của VSP để nhập khẩu hàng hóa) Để thuận tiện cho việc thông quan, làm các thủ tục miễn thuế nhập khẩu và miễn thuế giá trị gia tăng của giá trị hàng hóa nhập khẩu ghi trên Tờ khai Hải quan, hàng hóa Bên B nên nhập về cảng Vũng Tàu. Bên A không chịu trách nhiệm trả tiền thuế cho Bên B trong trường hợp nếu Bên B nhập hàng hóa về cảng khác mà không làm được thủ tục miễn thuế hoặc Bên B không sử dụng hạn mức nhập khẩu của Bên A.

- 4.4 Hàng hóa được giao mỗi nhóm 1 lần, tối đa 02 lần vào kho của Bên A tại thành phố Hồ Chí Minh.
- 4.5 Dỡ hàng từ phương tiện của bên B do Bên A đảm nhận bằng phương tiện, nhân lực và chi phí của mình.
- 4.6 Trong vòng 02 ngày làm việc trước khi giao hàng, Bên B phải thông báo bằng văn bản cho Bên A biết về số lượng, quy cách đóng gói hàng hóa để Bên A bố trí nhân lực và phương tiện bốc dỡ. Văn bản thông báo giao Hàng hoá phải được gửi cho Bên A và đơn vị được uỷ quyền nhận Hàng hoá của Bên A (Xí nghiệp Dịch vụ). Văn bản thông báo giao Hàng hoá phải nêu rõ:
- Số Hợp đồng dẫn chiếu;
 - Loại Hàng hoá giao, bao gồm số lượng, khối lượng và giá trị;
 - Tên phương tiện chở hàng, quốc tịch/ số hiệu;
 - Thời gian dự kiến đến nơi giao hàng;
 - Địa chỉ, điện thoại liên lạc, email, số fax của đơn vị vận chuyển;
 - Những hướng dẫn đặc biệt cần lưu ý Bên A khi bốc dỡ...
- 4.7 Người của Bên B đến giao hàng phải có giấy giới thiệu của người đại diện ký Hợp đồng của Bên B.
- 4.8 Đại diện của Liên Doanh Việt - Nga Vietsovetro (là Xí nghiệp Dịch vụ và Đơn vị đặt hàng) và đại diện của Bên B tham gia giao nhận, kiểm tra hàng hóa của hợp đồng này và lập Biên bản giao nhận hàng (theo Phụ lục số 2 của hợp đồng này) sẽ ghi rõ số lượng, tình trạng, các hồ sơ giao kèm theo hàng hóa. Biên bản giao nhận hàng phải được Lãnh đạo Xí nghiệp Dịch vụ và Lãnh đạo Đơn vị đặt hàng phê duyệt. Biên bản giao nhận hàng là căn cứ để Bên A thanh toán cho Bên B.
- 4.9 Trong trường hợp cần thiết, bằng chi phí của mình, Bên A (giao cho Xí nghiệp Dịch vụ) có quyền trưng cầu cơ quan giám định độc lập tham gia giám định hàng hóa. Trong vòng 3 ngày làm việc kể từ khi kết thúc giám định, cơ quan giám định độc lập cung cấp Chứng thư giám định tình trạng và số lượng hàng hóa. Chứng thư giám định hàng hóa là căn cứ pháp lý để Bên A khiếu nại Bên B.
- 4.10 Bên B phải đảm bảo khi giao Hàng hóa cho Bên A phải có kèm theo đầy đủ các chứng từ như quy định tại **Điều 3.2** của Hợp đồng này. Trong trường hợp Bên B giao hàng tới kho của Bên A tại TP. Hồ Chí Minh nhưng chưa có đầy đủ các chứng từ theo quy định thì Bên A đồng ý cho Bên B tạm gửi hàng tại kho để chờ tập hợp đầy đủ các chứng từ cho việc giao nhận Hàng hóa chính thức.
- Bên A đồng ý miễn phí lưu kho đối với lô Hàng tạm gửi này của Bên B trong 05 ngày lịch đầu tiên. Kể từ ngày thứ 6 trở đi, Bên B sẽ phải trả cho Bên A chi phí lưu kho của lô Hàng theo mức đơn giá lưu kho hiện hành của Bên A đang áp dụng cho các khách hàng của Bên A. Chi phí lưu kho này sẽ được Bên A khấu trừ thẳng vào giá trị mà Bên A thanh toán cho Bên B theo quy định của Hợp này hoặc những khoản thanh toán ở những Hợp đồng khác đã ký giữa Hai bên.
- 4.11 Bên A có quyền từ chối nhận Hàng nếu Hàng hoá khi giao không đảm bảo chất lượng, như đã quy định ở Điều 1, Phụ lục số 1.1, cũng như không có đầy đủ bộ chứng từ đi kèm như quy định tại Điều 3 của Hợp đồng này

ĐIỀU 5: BAO BÌ, ĐÓNG GÓI VÀ KÝ MÃ HIỆU:

- 5.1 Hàng hoá giao theo Hợp đồng này sẽ được đóng trong bao bì thích hợp theo tiêu chuẩn xuất khẩu, bảo đảm cho hàng hoá không bị hư hại, ăn mòn trong quá trình vận chuyển và thuận tiện cho bốc xếp, bốc dỡ.
- 5.2 Bên B hoàn toàn chịu trách nhiệm trong trường hợp hàng hoá bị mất mát, hư hỏng do thiếu sót trong việc đóng gói Hàng hoá.
- 5.3 Hàng hoá có thể được ghi rõ ràng bằng sơn không xóa được trên bề mặt hoặc in trên tấm ghi nhãn dính trên từng kiện với các thông tin sau bằng tiếng Anh hay tiếng Việt:
Tên nhà sản xuất.
Tên Hàng.
Khối lượng (nếu có).
Số Hợp đồng (nếu có).
- 5.4 Bên B chịu toàn bộ phí tổn đối với mọi mất mát/ hư hại của Hàng hoá trong quá trình bốc xếp, bốc dỡ, vận chuyển do ghi ký mã hiệu không đúng, không đầy đủ cũng như chịu mọi chi phí vận chuyển, bảo quản, mất mát phát sinh thêm do Hàng hoá bị gửi nhầm địa chỉ do ghi ký mã hiệu sai.

ĐIỀU 6. Trách nhiệm do vi phạm hợp đồng

- 6.1. Bên B phải giao hàng đầy đủ cho Bên A theo từng nhóm hàng được quy định tại Phụ lục 1 và theo thời hạn quy định của hợp đồng. Nếu Bên B giao hàng bị chậm thì Bên B phải chịu phạt 0,2%/ngày cho 10 ngày lịch chậm đầu tiên; phạt 0,3%/ngày cho những ngày lịch tiếp theo tính trên giá trị của cả nhóm hàng có mục giao chậm cho đến mức tổng số tiền phạt không quá 8% giá trị của nhóm hàng có mục bị vi phạm.

Nếu Bên B giao hàng cho từng nhóm Hàng hoá quy định tại Phụ lục 1 theo nhiều lần giao hàng thì thời gian giao nhận hàng của nhóm hàng đó được tính là thời gian giao hàng theo lần giao cuối cùng. Hàng hoá của những lần giao trước chỉ được ghi nhận lưu kho tại kho của Bên A cho đến khi Bên B giao nhận đủ số hàng của nhóm hàng hoá đó.

- 6.2. Nếu Bên B không giao đủ số lượng, chủng loại hàng hóa theo từng nhóm hàng (như quy định ở Phụ lục 1 của Hợp đồng này) thì Bên B vi phạm nghĩa vụ giao hàng theo hợp đồng này và phải chịu phạt một khoản tiền bằng 08% giá trị của nhóm hàng có mục vi phạm.

- 6.3. Nếu Bên B giao hàng hoá vượt số lần giao nhận như quy định tại Điều 4 của hợp đồng này thì:

- Bên B đã vi phạm điều kiện giao nhận hàng và phải chịu trách nhiệm thanh toán các chi phí liên quan tới giao nhận hàng hoá cho lần giao hàng vượt quá số lần giao hàng theo hợp đồng này theo mức đơn giá hiện hành của Bên A đang áp dụng cho các khách hàng của Bên A.

- 6.4. Nếu Bên B giao hàng không đảm bảo chất lượng như qui định tại Điều 2 của hợp đồng thì Bên A sẽ không nhận hàng và phạt Bên B theo mức phạt không giao đủ hàng như quy định tại mục 6.2 của hợp đồng này. Bên A có quyền chấp nhận/không chấp nhận việc Bên B sẽ cung cấp hàng mới thay thế cho hàng không đảm bảo chất lượng trên.

- 6.5 Vi phạm do cung cấp chậm/cung cấp không đủ hàng hoá:

- 6.5.1. Nếu Bên B giao hàng chậm quá 60 ngày lịch so với thời gian quy định tại mục 4.1 của hợp đồng này, ngoại trừ trường hợp bất khả kháng, thì Bên A có quyền:

a) Chỉ định bên thứ 3 có khả năng cung cấp hàng hóa/hàng hoá kèm dịch vụ. Trong trường hợp đó Bên B có trách nhiệm ký hợp đồng với bên được chỉ định để tiếp tục thực hiện công việc cung cấp cho bên A.

Hoặc:

b) Trực tiếp ký hợp đồng mua hàng/hàng hoá kèm dịch vụ của Bên thứ 3 để tiếp tục thực hiện công việc của hợp đồng. Trong trường hợp đó Bên B phải trả khoản tiền chênh lệch và các chi phí liên quan nếu có.

Hoặc:

c) Đơn phương chấm dứt thực hiện hợp đồng và trong trường hợp này Bên B phải chịu phạt một khoản tiền bằng 08% giá trị của hợp đồng bị vi phạm.

6.5.2. Nếu Bên B giao hàng chậm (một phần hàng hoá) quá 60 ngày lịch so với thời gian quy định tại mục 4.1 của hợp đồng này, ngoại trừ trường hợp bất khả kháng, thì Bên A có quyền:

a) Chỉ định bên thứ 3 có khả năng cung cấp hàng hóa/hàng hoá kèm dịch vụ. Trong trường hợp đó Bên B có trách nhiệm ký hợp đồng với bên được chỉ định để tiếp tục thực hiện công việc cung cấp cho bên A.

Hoặc:

b) Trực tiếp ký hợp đồng mua hàng/hàng hoá kèm dịch vụ của Bên thứ 3 để tiếp tục thực hiện công việc của hợp đồng. Trong trường hợp đó Bên B phải trả khoản tiền chênh lệch và các chi phí liên quan nếu có.

c) Đơn phương chấm dứt thực hiện tiếp hợp đồng và trong trường hợp này Bên B phải chịu phạt một khoản tiền bằng 08% giá trị của phần hợp đồng bị vi phạm.

6.6 Tổng các loại phạt không vượt quá 08% giá trị hợp đồng.

6.7 Giá trị hợp đồng bị vi phạm ghi ở Điều 6 của hợp đồng này là giá trị không có thuế GTGT và không bao gồm thuế nhập khẩu.

6.8 Để thu hồi khoản tiền phạt vi phạm, Bên A sẽ toàn quyền:

1) Khấu trừ khoản tiền phạt vi phạm từ các khoản tiền mà Bên A sẽ thanh toán cho Bên B tại Hợp đồng này hoặc theo các hợp đồng khác được ký kết giữa hai bên;

2) Yêu cầu Ngân hàng cấp Bảo đảm thực hiện hợp đồng thanh toán ngay khoản tiền Bên B mở bảo lãnh cho Bên A;

3) Bằng văn bản, yêu cầu Bên B thanh toán. Trong mọi trường hợp, Bên B cam kết nghiêm túc thực hiện nghĩa vụ thanh toán của mình cho Bên A.

6.9 Việc bồi thường thiệt hại (nếu có) được thực hiện theo quy định của pháp luật Việt Nam.

ĐIỀU 7 Bảo hành

7.1 Bên B chịu trách nhiệm bảo hành chất lượng của hàng hóa trong thời hạn 12 tháng kể từ ngày ký biên bản nghiệm thu. Điều kiện bảo hành theo đúng tiêu chuẩn bảo hành của nhà sản xuất.

7.2 Trong thời gian bảo hành nếu Bên A phát hiện có hư hỏng, sai sót về chủng loại, chất lượng hàng hóa thì Bên A sẽ thông báo kịp thời bằng fax/email cho Bên B biết để cùng nhau xác minh.

Trong vòng 03 ngày làm việc kể từ khi nhận được thông báo bằng văn bản của Bên A, Bên B phải cử đại diện có chức năng tham gia vào việc kiểm tra, xác định.

Trong trường hợp hai bên không thống nhất ý kiến sẽ mời cơ quan giám định độc lập tham gia. Nếu đại diện của Bên B không có mặt tại thời điểm đã thống nhất thì việc giám định chất lượng sẽ do Tổ chức giám định độc lập tiến hành mà không cần sự có mặt của đại diện Bên B. Biên bản giám định chất lượng Hàng hoá do Tổ chức giám định độc lập cấp là cơ sở pháp lý để Bên A khiếu nại Bên B.

Việc xác minh sai sót về chất lượng phải được Bên B tiến hành không chậm quá 15 ngày lịch kể từ ngày Bên B nhận được thông báo. Việc xác minh phải được lập thành biên bản, trong đó ghi rõ kết luận về nguyên nhân gây ra hư hỏng, xác định trách nhiệm thay thế cái mới/sửa chữa các hư hỏng đó thuộc về bên nào và thời hạn thay thế/sửa chữa các hư hỏng đó làm thuộc về bên nào và thời hạn thay thế/sửa chữa làm căn cứ pháp lý trong thực hiện hợp đồng này.

- 7.3 Tùy mức độ hư hỏng, nhưng không quá 15 ngày lịch kể từ ngày có kết luận về nguyên nhân hư hỏng, sai sót về chất lượng hàng hóa do lỗi của Bên B thì Bên B phải tiến hành sửa chữa các sai sót về chất lượng hoặc đổi lại hàng mới cho Bên A.
- 7.4 Trong thời hạn 07 ngày lịch kể từ ngày nhận được thông báo của Bên A, nếu Bên B không trả lời thì coi như đã chấp nhận có sai sót về chất lượng hàng do lỗi của mình và có trách nhiệm phải sửa chữa các sai sót đó hoặc đổi lại hàng mới ngay trong vòng 15 ngày kể từ ngày nhận được thông báo của Bên A.
- 7.5 Nếu Bên B tiến hành sửa chữa hoặc đổi lại hàng mới bị chậm so với thời hạn qui định ở mục 7.3 và 7.4 của hợp đồng này thì Bên B phải chịu phạt theo mức phạt giao hàng chậm như qui định ở mục 6.1 của hợp đồng này.
- 7.6 Trong thời hạn quy định trên tại điều 7 của hợp đồng này, nếu Bên B không tiến hành khắc phục (sửa chữa các sai sót về chất lượng do lỗi của mình hoặc đổi lại hàng mới) thì Bên A có quyền tiến hành khắc phục (sửa chữa và/hoặc thay mới) và Bên B phải hoàn trả lại cho Bên A toàn bộ chi phí khắc phục, đồng thời phải chịu phạt 8% giá trị của mặt hàng này. Cách thức Bên A thu hồi tiền phạt từ Bên B quy định tại điều 6.7 của hợp đồng này.
- 7.7 Hàng hóa sau khi được Bên B sửa chữa và thay thế trong thời kỳ bảo hành sẽ được Bên B bảo hành lại 12 tháng kể từ ngày bàn giao (có biên bản giao nhận hàng như quy định tại điều 4.8- Phụ lục 02 của hợp đồng này) Bất kỳ một khiếu nại về chất lượng hoặc sự không phù hợp nào của Hàng hoá so với yêu cầu của Hợp đồng này sẽ phải được thông báo cho BÊN B trong thời hạn bảo hành.
- 7.8 Khi khuyết tật được khắc phục xong và/hoặc thay thế mới đã được cung cấp, mọi phí tổn liên quan đã được giải quyết, khiếu nại coi như được giải quyết xong.
- 7.9 Mọi chi phí liên quan đến khắc phục khuyết tật, hỏng hóc/hoặc thay thế mới do BÊN B phải chịu theo quy định của bản Hợp đồng. Trường hợp Bên B không thực hiện đầy đủ nghĩa vụ bảo hành của mình, thì các chi phí khắc phục và chi phí phạt do vi phạm hợp đồng sẽ được Bên A khấu trừ vào giá trị của Hợp đồng hoặc hoặc những khoản thanh toán ở những Hợp đồng khác đã ký giữa Hai bên.

ĐIỀU 8. Thanh Toán

- 8.1 Bên A thanh toán cho Bên B 100% giá trị hóa đơn hàng đã giao bằng phương thức chuyển khoản qua ngân hàng trong vòng 30 ngày làm việc kể từ ngày nhận được bộ chứng từ thanh toán gồm:
 - 02 Hóa đơn thuế GTGT (02 bản gốc), trong đó:
 - + Hóa đơn số 01: Cho giá trị hàng hóa được miễn thuế GTGT và thuế nhập khẩu ở khâu nhập khẩu: tỷ giá qui đổi ra VNĐ là tỷ giá ghi trên Tờ khai Hải quan; trên hóa đơn chỉ ghi dòng giá bán là giá không có thuế GTGT, dòng thuế suất, số thuế GTGT không ghi và được gạch bỏ.
 - + Hóa đơn số 02: Cho phần phát sinh chênh lệch giữa giá trị hàng hóa đã khai báo tại khâu nhập khẩu và giá trị hàng hóa ghi trong Hợp đồng này; trên hóa đơn ghi thuế suất, số thuế GTGT phù hợp với quy định hiện hành.
 - 01 bản gốc Biên bản giao nhận hàng (Điều 4.8 của Hợp đồng này).
 - Chứng thư giám định (nếu có trưng cầu quy định tại Điều 4.9 của Hợp đồng này).
 - Các chứng từ (theo quy định tại Điều 3.2 của Hợp đồng này).
 - Thông báo tỷ giá của Ngân hàng (01 bản copy).

- Bảo đảm thực hiện Hợp đồng (01 bản copy).

- 8.2 Bên A chỉ thanh toán cho Bên B đối với hàng hóa hoàn toàn phù hợp với yêu cầu nêu trong hợp đồng.
- 8.3 Số tài khoản giao dịch theo hợp đồng này của Bên B:
- Số tài khoản:
 - Người thụ hưởng:
- 8.4 Phí chuyển tiền do Bên A chịu.

ĐIỀU 9: Bảo đảm thực hiện Hợp đồng

- 9.1 Trong vòng 07 ngày sau ngày ký hợp đồng (ghi tại trang 01 của hợp đồng), Bên B phải nộp giấy bảo lãnh thực hiện hợp đồng (Phụ lục số 3 của hợp đồng này) được cấp bởi Ngân hàng có uy tín. Giá trị Bảo đảm thực hiện hợp đồng bằng 3 % tổng giá trị hợp đồng. Giấy bảo lãnh này có hiệu lực bằng thời hạn giao hàng quy định tại mục 4.1 hợp đồng này cộng thêm 60 ngày lịch.
- 9.2 Mọi chi phí liên quan đến việc phát hành giấy bảo lãnh thực hiện hợp đồng do Bên B chịu.
- 9.3 Trong thời gian quy định tại mục 9.1 nêu trên, Bên B phải nộp bản gốc bảo lãnh thực hiện hợp đồng cho Bên A. Nếu sau thời gian quy định nói trên, bên A không nhận được bảo lãnh thực hiện Hợp đồng thì Bên A có quyền đơn phương chấm dứt Hợp đồng và thu hồi tiền bảo lãnh dự thầu của Bên B hoặc áp dụng quy định tại mục 6.8 của Hợp đồng này mà không cần có sự can thiệp của tòa án hoặc trọng tài. Đồng thời, Bên A sẽ áp dụng chế tài Bên B do vi phạm hợp đồng theo quy định hiện hành của Bên A.
- 9.4 Bên B không được nhận lại Bảo đảm thực hiện hợp đồng trong trường hợp Bên B từ chối/không thực hiện hợp đồng sau khi ký hợp đồng.
- 9.5 Trong trường hợp Bên B vi phạm trách nhiệm thực hiện hợp đồng theo quy định tại hợp đồng này thì khoản tiền bảo đảm được Bên A dùng để khấu trừ tiền phạt.
- 9.6 Bên B phải ngay lập tức yêu cầu Ngân hàng phát hành giấy bảo lãnh thực hiện hợp đồng thực hiện sửa đổi giấy Bảo đảm thực hiện Hợp đồng trong trường hợp cần gia hạn thời gian hiệu lực của Bảo lãnh này vì lý do chậm giao hàng hoặc gia hạn thời hạn giao hàng, đồng thời gửi ngay cho Bên A giấy Bảo lãnh đã gia hạn hiệu lực.

Trong vòng 03 ngày làm việc kể từ khi nhận được yêu cầu gia hạn bằng văn bản của Bên A, nếu Bên B không thực hiện hoặc chậm thực hiện gia hạn hiệu lực bảo lãnh thực hiện hợp đồng thì Bên B sẽ chịu phạt 0,2% giá trị bảo đảm tương ứng/ mỗi ngày chậm. Tổng giá trị phạt này không vượt quá giá trị bảo lãnh tương ứng. Thu hồi khoản tiền phạt vi phạm này thực hiện theo quy định tại khoản 6.8 Điều 6 của Hợp đồng.

ĐIỀU 10: Bất khả kháng

- 10.1 Sự kiện bất khả kháng là sự kiện xảy ra một cách khách quan không thể lường trước được và không thể khắc phục được mặc dù đã áp dụng mọi biện pháp cần thiết và khả năng cho phép như: chiến tranh, bạo loạn, xung đột vũ trang, cấm vận, thiên tai (lũ lụt, bão, lốc xoáy, động đất, sóng thần), hỏa hoạn, dịch bệnh (Epidemic, Pandemic) được WHO/Quốc gia công bố, lệnh phong tỏa Vùng/Quốc gia do Chính quyền sở tại áp đặt.
- 10.2 Bên gặp sự kiện bất khả kháng dẫn đến việc không thực hiện được nghĩa vụ theo hợp đồng do ảnh hưởng trực tiếp bởi các sự kiện bất khả kháng có nghĩa vụ phải ngay lập tức thông báo cho bên kia biết, bao gồm cung cấp thông tin, giải trình về sự ảnh hưởng trực tiếp của sự kiện bất khả kháng đến việc vi phạm thực hiện hợp đồng kèm chứng cứ chứng minh, các biện pháp đã được thực hiện để khắc phục vấn đề và giảm thiểu tổn thất. Việc chậm thông báo, cung cấp thông tin và giải trình nếu trễ hơn 14 ngày lịch sau khi sự kiện bất khả kháng xảy ra sẽ làm cho bên gặp bất khả kháng mất quyền miễn trách sau này vì lý do bất khả kháng.

- 10.3 Văn bản xác nhận của Phòng Thương mại và Công nghiệp Việt Nam hoặc cơ quan có thẩm quyền ở nơi xảy ra sự kiện bất khả kháng là bằng chứng đủ để chứng minh sự kiện và thời gian xảy ra bất khả kháng.
- 10.4 Nếu sự kiện bất khả kháng kéo dài hơn 02 tháng, mỗi bên đều có quyền chấm dứt hợp đồng này mà không phải bồi thường bất cứ một khoản tiền nào cho bên kia.
- 10.5 Các khó khăn trong sản xuất như thiếu vật tư, điện, nhân công, hỏa hoạn, đình công... không được coi là bất khả kháng và không miễn cho Bên B nghĩa vụ giao hàng hoặc giao hàng muộn; Các thông tin từ trang báo, mạng và các phương tiện truyền thông khác chỉ mang tính chất tham khảo.

ĐIỀU 11: Giải quyết tranh chấp

- 11.1 Mọi sự tranh chấp phát sinh từ việc thực hiện Hợp đồng này sẽ được các BÊN giải quyết thông qua thương lượng trên nguyên tắc hợp tác, hai BÊN cùng có lợi và tôn trọng lẫn nhau.
- 11.2 Trường hợp tranh chấp không thể giải quyết bằng thương lượng thì sẽ được giải quyết bằng trọng tài tại Trung tâm Trọng tài Quốc tế Việt Nam (VIAC) tại Hà Nội theo Quy tắc tổ tụng trọng tài của Trung tâm này. Số lượng trọng tài viên là 03 người. Luật áp dụng là Luật Việt Nam.
Phán quyết của Trung tâm trọng tài là cuối cùng và buộc hai bên phải tuân thủ. Án phí do bên thua kiện chịu.
- 11.3 Phán quyết của Trung tâm Trọng tài là cuối cùng và buộc hai BÊN phải tuân thủ.

ĐIỀU 12: Các điều khoản khác

- 12.1 Những điều không quy định hoặc quy định không đầy đủ trong Hợp đồng này sẽ căn cứ vào luật pháp Việt Nam hiện hành.
- 12.2 Bất kỳ sửa đổi, bổ sung nào đối với hợp đồng này đều phải được hai bên thỏa thuận bằng văn bản. Mọi giao dịch trong quá trình thực hiện Hợp đồng được các Bên thực hiện bằng văn bản và gửi theo đường bưu chính hoặc theo số Fax tới địa chỉ đăng ký hoặc số Fax của mỗi Bên đã ghi trong hợp đồng và email đến địa chỉ email theo mẫu Phụ lục số 4 (a, b) kèm theo.
- 12.3 Không bên nào được chuyển quyền và nghĩa vụ của mình theo hợp đồng này cho bên thứ ba mà không được sự đồng ý trước bằng văn bản của bên kia.
- 12.4 Hợp đồng và các tài liệu dẫn chiếu được sắp xếp theo thứ tự ưu tiên sau đây:
(1) Hợp đồng, kèm theo các phụ lục hợp đồng;
(2) Thư chấp thuận Hồ sơ dự thầu và trao hợp đồng;
(3) Hồ sơ dự thầu và các văn bản làm rõ Hồ sơ dự thầu của Nhà thầu;
(4) Hồ sơ mời thầu và các tài liệu sửa đổi hồ sơ mời thầu (nếu có);
(5) Các tài liệu khác quy định tại Điều kiện cụ thể của hợp đồng.
- 12.5 Hợp đồng này có hiệu lực kể từ ngày Ngân hàng Bên B mở bảo lãnh thực hiện Hợp đồng (ngày hiệu lực của bảo lãnh) và hoàn thành việc ký Hợp đồng nhưng không muộn hơn 07 ngày làm việc so với ngày được ghi trên Hợp đồng và tiếp tục cho đến khi hai bên thực hiện hết trách nhiệm của mình như quy định trong hợp đồng.
- 12.6 Hết thời hạn hiệu lực của hợp đồng, nếu hai bên không có khiếu nại gì coi như hợp đồng đã được thanh lý.
- 12.7 Hợp đồng gồm ___ trang và 04 Phụ lục, được lập thành 04 bản bằng tiếng Việt (có sử dụng tiếng Anh mô tả hàng hóa tại Phụ lục số 1), các bản có giá trị pháp lý như nhau, Bên A giữ 03 bản, Bên B giữ 01 bản.

ĐẠI DIỆN BÊN A

ĐẠI DIỆN BÊN B

(Trường hợp Nhà thầu Liên danh thì phải tất cả các thành viên trong Liên danh phải cùng ký hợp đồng)

PHỤ LỤC SỐ 1 (..... trang)

THỎA THUẬN LIÊN DANH

(đính kèm Hợp đồng số: /...../T-N /...-.....)

_____, ngày __ tháng __ năm ____

Gói thầu: _____ [ghi tên gói thầu]

Thuộc dự án: _____ [ghi tên dự án]

Căn cứ hồ sơ mời thầu gói thầu ____ [ghi tên gói thầu] ngày __ tháng __ năm __ [ngày được ghi trên HSMT];

Chúng tôi, đại diện cho các bên ký thỏa thuận liên danh, gồm có:

Tên thành viên liên danh _____ [ghi tên từng thành viên liên danh]

Đại diện là ông/bà:

Chức vụ:

Địa chỉ:

Điện thoại:

Fax:

E-mail:

Tài khoản:

Mã số thuế:

Giấy ủy quyền số __ ngày __ tháng __ năm __ (trường hợp được ủy quyền).

Các bên (sau đây gọi là thành viên) thống nhất ký kết thỏa thuận liên danh với các nội dung sau:

Điều 1. Nguyên tắc chung

1. Các thành viên tự nguyện hình thành liên danh để tham dự thầu gói thầu _____ [ghi tên gói thầu] thuộc dự án _____ [ghi tên dự án].
2. Các thành viên thống nhất tên gọi của liên danh cho mọi giao dịch liên quan đến gói thầu này là: _____ [ghi tên của liên danh theo thỏa thuận].
3. Các thành viên cam kết không thành viên nào được tự ý tham gia độc lập hoặc liên danh với thành viên khác để tham gia gói thầu này. Trường hợp trúng thầu, tất cả các thành viên của liên danh sẽ tham gia ký kết hợp đồng và không thành viên nào có quyền từ chối thực hiện các trách nhiệm và nghĩa vụ đã quy định trong hợp đồng. Trường hợp thành viên của liên danh từ chối hoàn thành trách nhiệm riêng của mình như đã thỏa thuận hoặc vi phạm các quy định của hợp đồng đã ký kết thì thành viên đó bị xử lý như sau:
 - Bồi thường thiệt hại cho các bên trong liên danh;
 - Cùng các thành viên trong liên danh bồi thường toàn bộ thiệt hại cho Chủ đầu tư theo quy định nêu trong hợp đồng (tương ứng theo tỷ lệ của từng thành viên đã quy định tại Điều 2 Thỏa thuận này);
 - Hình thức xử lý khác _____ [ghi rõ hình thức xử lý khác].

Điều 2. Phân công trách nhiệm

Các thành viên thống nhất phân công trách nhiệm để thực hiện gói thầu _____ [ghi tên gói thầu] thuộc dự án _____ [ghi tên dự án] đối với từng thành viên như sau:

1. Thành viên đứng đầu liên danh:

Các bên nhất trí ủy quyền cho ____ [ghi tên một bên] làm thành viên đứng đầu liên danh, đại diện cho liên danh trong những phân việc sau¹:

[- Ký đơn dự thầu;

- Ký các văn bản, tài liệu để giao dịch với Bên mời thầu trong quá trình tham dự thầu, kể cả văn bản đề nghị làm rõ HSMT và văn bản giải trình, làm rõ HSDT hoặc văn bản đề nghị rút HSDT, sửa đổi, thay thế HSDT;
- Thực hiện bảo đảm dự thầu cho cả liên danh;
- Tham gia quá trình thương thảo, hoàn thiện hợp đồng;
- Thực hiện bảo đảm thực hiện hợp đồng cho cả liên danh trong trường hợp liên danh trúng thầu
- Ký đơn kiến nghị trong trường hợp nhà thầu có kiến nghị;
- Thực hiện tất cả các nghĩa vụ của liên danh không được nêu trong Bảng phân công trách nhiệm giữa các thành viên liên danh ở mục 2 dưới đây;
- Thực hiện các công việc khác trừ việc ký kết hợp đồng ____ [ghi rõ nội dung các công việc khác (nếu có)].

2. Các thành viên trong liên danh thỏa thuận phân công trách nhiệm thực hiện các công việc cụ thể theo bảng dưới đây²:

STT	Tên	Nội dung công việc đảm nhận	Tỷ lệ % so với tổng giá dự thầu	Giá trị theo tỷ lệ % so với tổng giá dự thầu
(1)	(2)	(3)	(4)	(5)
1	Tên thành viên thứ nhất (thành viên đứng đầu liên danh)	- Công việc 1: _____	_____ %	_____ VND/USD
		- Công việc 2: _____		
		- Công việc 3: _____		
			
2	Tên thành viên thứ 2	- Công việc 1: _____	_____ %	_____ VND/USD
		- Công việc 2: _____		
		- Công việc 3 _____		
....		
Tổng cộng		Toàn bộ công việc của gói thầu	100%	_____ VND/USD

3. Phương thức thanh toán cho liên danh trong trường hợp trúng thầu và ký hợp đồng với chủ đầu tư như sau:

-Chủ đầu tư sẽ thanh toán trực tiếp cho từng thành viên liên danh theo tiến độ thanh toán được qui định trong hợp đồng với giá trị được phân chia tương ứng với tỷ lệ khối lượng công việc đã được các thành viên liên danh thống nhất và nêu trong cột (4) Bảng phân công trách nhiệm ở mục 2 của thỏa thuận liên danh này.

-Từng thành viên của Liên danh sẽ phát hành Hóa đơn hợp pháp đúng với phần giá trị công việc đã được thành viên liên danh đó thực hiện theo tiến độ từng đợt thanh toán được qui định trong hợp đồng.

¹Phạm vi ủy quyền bao gồm một hoặc nhiều công việc nêu trên.

²Nhà thầu phải ghi rõ nội dung công việc cụ thể và ước tính giá trị tương ứng mà từng thành viên trong liên danh sẽ thực hiện, trách nhiệm chung, trách nhiệm của từng thành viên, kể cả thành viên đứng đầu liên danh.

Điều 3. Hiệu lực của thỏa thuận liên danh

1. Thỏa thuận liên danh có hiệu lực kể từ ngày ký.
2. Thỏa thuận liên danh chấm dứt hiệu lực trong các trường hợp sau:
 - Trong trường hợp liên danh trúng thầu, Thỏa thuận liên danh này là một phần không tách rời của hợp đồng ký kết với Chủ đầu tư và chỉ chấm dứt hiệu lực khi các bên hoàn thành trách nhiệm, nghĩa vụ của mình và thanh lý xong hợp đồng;
 - Các bên cùng thỏa thuận chấm dứt;
 - Nhà thầu liên danh không trúng thầu;
 - Hủy thầu gói thầu ___ [ghi tên gói thầu] thuộc dự án ___ [ghi tên dự án] theo thông báo của Bên mời thầu.

Thỏa thuận liên danh được lập thành ___ bản, mỗi bên giữ ___ bản, các bản thỏa thuận có giá trị pháp lý như nhau.

ĐẠI DIỆN HỢP PHÁP CỦA THÀNH VIÊN ĐỨNG ĐẦU LIÊN DANH

[ghi tên, chức danh, ký tên và đóng dấu]

ĐẠI DIỆN HỢP PHÁP CỦA THÀNH VIÊN LIÊN DANH

[ghi tên từng thành viên, chức danh, ký tên và đóng dấu]

¹ Phạm vi ủy quyền bao gồm một hoặc nhiều công việc nêu trên.

² Nhà thầu phải ghi rõ nội dung công việc cụ thể và ước tính giá trị tương ứng mà từng thành viên trong liên danh sẽ thực hiện, trách nhiệm chung, trách nhiệm của từng thành viên, kể cả thành viên đứng đầu liên danh.



PHỤ LỤC SỐ 1.1 (..... trang)
(đính kèm Hợp đồng số:/...../T- N../.....)

DANH MỤC, GIÁ TRỊ HÀNG HOÁ
cung cấp theo ĐH số

Số TT	Tên hàng, Ký hiệu, Quy cách	Mô tả	Model, P/N	Nhà sản xuất	Nước xuất xứ CO	ĐVT	Số lượng, cung cấp	Đơn giá (VND)	Thành tiền (VND)	
I		Hàng hoá sử dụng hạn ngạch để nhập khẩu Hàng hoá (sử dụng Quota) Lô 09-1:								
1	.....	...	...			Set/pc	...	...	...
2	.....	.....						.....	.....
	
n	.....	.....						.....	.....
	Thành tiền I:	<i>Giá trị Hàng hoá không bao gồm thuế GTGT và thuế nhập khẩu của giá trị hàng hóa nhập khẩu ghi trên Tờ khai Hải quan nhưng đã bao gồm toàn bộ các thuế, phí và chi phí phát sinh trong lãnh thổ Việt Nam.</i>								
II		Hàng hoá không sử dụng hạn ngạch để nhập khẩu Hàng hoá (Hàng hoá mua trong nước) :								
1	.....	... ..				Set/pc			
	
n	.....	.....						.....	.....
		<i>*Giá trị Hàng hoá chưa bao gồm GTGT:</i>								
		<i>*Thuế GTGT 10% (áp dụng theo Quy định hiện hành của VN):</i>								
	Thành tiền II:	<i>Giá trị Hàng hoá đã bao gồm thuế GTGT và bao gồm toàn bộ các thuế, phí và chi phí phát sinh trong lãnh thổ Việt Nam.</i>								
		Tổng giá trị hợp đồng (mục I+II): <i>*(áp dụng cho mục I và mục I&II) Giá trị Hàng hoá không bao gồm thuế GTGT và thuế nhập khẩu của giá trị hàng hóa nhập khẩu ghi trên Tờ khai Hải quan nhưng đã bao gồm toàn bộ các thuế, phí và chi phí phát sinh trong lãnh thổ Việt Nam.</i> <i>* (áp dụng cho Hàng hoá không sử dụng Quota – chỉ cho mục II) Giá trị hợp đồng trên đã bao gồm thuế GTGT và bao gồm toàn bộ các thuế, phí và chi phí phát sinh trong lãnh thổ Việt Nam cho Hàng hoá mua trong nước.</i>								

ĐẠI DIỆN BÊN A

ĐẠI DIỆN BÊN B

PHỤ LỤC SỐ 02

Phê duyệt - Утверждаю
Thủ trưởng đơn vị đặt hàng
Директор пред-я заказчика

Phê duyệt - Утверждаю
Giám đốc XNDV Cảng & Cung ứng VT TB
Директор ПОСОМ

Ngày.....tháng.....năm 20....

Ngày.....tháng.....năm 20....

**BIÊN BẢN GIAO NHẬN HÀNG
АКТ О ПРИЁМЕ - ПЕРЕДАЧЕ ТОВАРОВ**

Ngày.... tháng.... năm 20....

Căn cứ HĐ (biên bản) số:

ký ngày.... tháng....năm 20...

На основнии Договора номер:

Chúng tôi, những người ký tên dưới đây - Мы. Нижеподписавщиеся:

1- Đại diện bên giao - Представители поставщика:

- Ông (Bà) Chứcvụ:
- Ông (Bà): Chứcvụ:

2- Đại diện bên nhận - Представители получателя:

2.1 XN dịch vụ cảng & cung ứng vật tư TB - ПОСОМ

- Ông (Bà): Chứcvụ:
- Ông (Bà): Chứcvụ:

2.2 Đơn vị đặt hàng - Представители предприятия - заказчика:

- Ông (Bà): Chứcvụ:
- Ông (Bà): Chứcvụ:

- ...

Cùng nhau tiến hành giao nhận hàng hóa, cụ thể như sau: - Произвели приёмо - передачу следующих товаров на складе:...

STT П/П	Tên hàng, Ký hiệu, Quy cách Наименование. Марка товаров	ĐVT ЕД	Thực nhập Фак. Получение		Bao bì Тара	Chất lượng hàng Качество
			Số lượng Кол	Trọng lượng Вес		

CHỨNG TỪ KÈM THEO - Прилагаемые документы:

- Chứng chỉ phẩm chất - Сертификат:.....
- Hóa đơn (phiếu xuất kho) - Счёт:.....

- Bản kê chi tiết danh điểm mặt hàng (Перечень товаров) gồm __bản __tờ
- Các chứng từ khác - Другие документы :

.....
 ... Biên bản này chỉ lập một bản và chỉ có giá trị để làm thủ tục thanh toán sau khi được Giám đốc XNDVCảng & Cung ứng vật tư TB và Lãnh đạo đơn vị đặt hàng phê duyệt (trường hợp giao nhận thẳng cho đơn vị đặt hàng thì biên bản này phải được thủ trưởng đơn vị đặt hàng phê duyệt trước).

Ngày giao hàng của lô hàng này là ...

ĐẠI DIỆN BÊN GIAO

KÝ TÊN - Подписи

ĐẠI DIỆN BÊN NHẬN

Представители поставщика:

Представители получателя:

(Họ tên và chữ ký)

(Họ tên và chữ ký)

Xác nhận chất lượng của phòng thí nghiệm hoặc đơn vị đặt hàng (nếu có) - Справка лаборатории (заказчика) по качеству

.....Đại diện phòng thí nghiệm (Hoặc đơn vị đặt hàng) - Представитель лаборатории (заказчика)

Họ và tên - Фамилия.....

Ký tên: Подпись

Ngày.....tháng.....năm 20....

Kiểm tra và xác nhận: Các mặt hàng nêu trên có số lượng, ký mã hiệu, xuất xứ hàng hóa, chứng chỉ chất lượng & được kiểm tra chất lượng v.v. phù hợp với các quy định của hợp đồng (Biên bản)
 Заключение:

Состояние товаров. Количество марки. Место происхождения. Сертификат по качеству и проверка качества....вышеуказанных товаров соответствуют условиям Договора:

T.P vật tư thiết bị - Начальник курирующего отделаю

Ký tên: Подпись

Ngày.....tháng.....năm 20....

Trưởng phòng TNHH - Начальник ОКД

Ký tên: Подпись

Ngày.....tháng.....năm 20....



PHỤ LỤC SỐ 03
MẪU BẢO LÃNH THỰC HIỆN HỢP ĐỒNG

Ngày tháng năm 20...

Kính gửi: Liên doanh Việt-Nga Vietsovpetro.

Liên quan tới Hợp đồng _____ về việc _____ (sau đây được gọi là “Hợp đồng”) được ký giữa _____ (sau đây gọi là “BÊN ĐƯỢC BẢO LÃNH”) và _____ (sau đây gọi là “BÊN THỤ HƯỞNG”), chúng tôi, _____ có trụ sở chính tại _____ (sau đây gọi là “BÊN BẢO LÃNH”) phát hành Thư bảo lãnh không hủy ngang và vô điều kiện cho bên thụ hưởng với số tiền là _____ (Bằng chữ: _____) (sau đây gọi là “THƯ BẢO LÃNH”).

THƯ BẢO LÃNH này có hiệu lực kể từ ngày phát hành và sẽ duy trì hiệu lực cho đến _____ sau đây gọi là "Ngày hết hiệu lực". Đối với bất cứ sự gia hạn, đổi mới hoặc chuyển nhượng Hợp đồng vượt quá thời gian được quy định trong THƯ BẢO LÃNH này, BÊN THỤ HƯỞNG sẽ không cần phải thông báo hoặc được sự đồng thuận của BÊN BẢO LÃNH. THƯ BẢO LÃNH này sẽ được gia hạn dựa trên yêu cầu bằng văn bản từ BÊN ĐƯỢC BẢO LÃNH để đảm bảo cho thời gian gia hạn, đổi mới hoặc chuyển nhượng của Hợp đồng.

BÊN BẢO LÃNH cam kết không hủy ngang và vô điều kiện thanh toán ngay cho BÊN THỤ HƯỞNG một khoản tiền hay những khoản tiền, theo chỉ thị của BÊN THỤ HƯỞNG, tổng không vượt quá số tiền bảo lãnh nêu trên trong vòng 05 ngày làm việc kể từ ngày nhận được văn bản yêu cầu của BÊN THỤ HƯỞNG ghi rõ BÊN ĐƯỢC BẢO LÃNH đã vi phạm nghĩa vụ theo Hợp đồng.

Sau Ngày hết hiệu lực, THƯ BẢO LÃNH này sẽ tự động không còn giá trị cho dù bản gốc THƯ BẢO LÃNH và các Thư sửa đổi liên quan (nếu có) có được gửi trả lại BÊN BẢO LÃNH hay không.

Số tiền bảo lãnh nêu trên sẽ được thanh toán ngay bởi BÊN BẢO LÃNH cho BÊN THỤ HƯỞNG cho dù có sự tranh cãi hoặc phản đối nào của BÊN ĐƯỢC BẢO LÃNH hoặc của BÊN BẢO LÃNH hoặc của bất kì bên thứ ba nào khác, và bất kể có hay không sự tranh chấp giữa BÊN ĐƯỢC BẢO LÃNH và BÊN THỤ HƯỞNG về hoặc liên quan tới Hợp đồng hoặc về bất cứ vấn đề khác và cho dù những tranh chấp này, nếu có, đã được giải quyết, dàn xếp, kiện tụng hoặc phân xử bằng bất kỳ hình thức nào.

BÊN BẢO LÃNH hoặc BÊN ĐƯỢC BẢO LÃNH sẽ không được giải trừ bất cứ nghĩa vụ nào theo THƯ BẢO LÃNH này cho dù có bất cứ sự sửa đổi, thay đổi, thanh toán sai lệch, gia hạn nào liên quan tới Hợp đồng hay bất kỳ sự trì hoãn ân hạn nào của BÊN THỤ HƯỞNG trong hoặc liên quan đến bất cứ vấn đề gì của Hợp đồng.

Việc đòi tiền nhiều lần theo bảo lãnh này là được phép và theo đó, Số tiền bảo lãnh nêu trên sẽ tự động giảm tương ứng với số tiền mà Ngân hàng đã thực hiện thanh toán cho Bên thụ hưởng theo Thư bảo lãnh.

Thư bảo lãnh được điều chỉnh và giải thích theo pháp luật Việt Nam. Bất kỳ tranh chấp nào phát sinh từ hoặc liên quan đến Thư bảo lãnh sẽ [do Tòa án nhân dân có thẩm quyền của Việt Nam giải quyết theo quy định của pháp luật] / [sẽ được giải quyết tại Trung tâm Trọng tài quốc tế Việt Nam (VIAC) theo quy tắc tổ tụng trọng tài của VIAC].

THƯ BẢO LÃNH này được phát hành duy nhất 01 (một) bản và không được phép chuyển nhượng.

NGÂN HÀNG BẢO LÃNH
(Ký tên và đóng dấu)

PHỤ LỤC SỐ 04 (A)

MẪU THƯ TÍN GIAO DỊCH THỰC HIỆN HỢP ĐỒNG

Ngày tháng năm 20..

Kính gửi: Liên doanh Việt-Nga Vietsovetro
105 Lê Lợi, Phường Vũng Tàu, TP. Hồ Chí Minh
Fax: (84) 254 839857/Email: vspadmin@vietsov.com.vn

Người nhận: Ông Trần Quốc Thắng – Phó Tổng giám đốc Vietsovetro
Sao gửi: Bà Nguyễn Thị Vân Anh – Trưởng phòng Thương mại Vietsovetro

Email: (vinhlt.hq@vietsov.com.vn, huongpt.hq@vietsov.com.vn)

(Ghi nội dung giao dịch về: Thay đổi về Hàng hoá/Dịch vụ, tiền độ, sử dụng Quota, các nội dung liên quan tới giá trị HĐ, thanh toán.....)

ĐẠI DIỆN BÊN

(Ký tên và đóng dấu)

PHỤ LỤC SỐ 04 (B)

MẪU THƯ TÍN GIAO DỊCH THỰC HIỆN HỢP ĐỒNG

Ngày tháng năm 20..

Kính gửi: Liên doanh Việt-Nga Vietsovetro
105 Lê Lợi, Phường Vũng Tàu, TP. Hồ Chí Minh
Fax: (84) 254 839857/ Email: vspadmin@vietsov.com.vn

Người nhận: Bà Nguyễn Thị Vân Anh – Trưởng Phòng Thương mại VSP
Ông Đỗ Mạnh Hà – Giám đốc XN Dịch vụ Cảng và CUVTTB
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(Ghi nội dung giao dịch về: Thông báo giao hàng, gửi chứng từ hàng hóa, thông báo bắt đầu thực hiện dịch vụ, thông tin về nhân sự/thiết bị thực hiện dịch vụ....)

ĐẠI DIỆN BÊN

(Ký tên và đóng dấu)

PART 4. APPENDICES

This Part includes:

1 - SCOPE OF SUPPLY

2 - TECHNICAL REQUIREMENT

3 - TECHNICAL EVALUATION CRITERIA





DANH MỤC- СПЕЦИФИКАЦИЯ

Tên hàng hóa/Dịch vụ - На приобретение товаров/услуг: Vật tư chế tạo và kết nối buồng kế hoạch phóng
PIG năm 2026 / Материалы для изготовления и обвязки КПП по плану ВТО ВТД в 2026г

Số ĐHXN - № заявки: 90.XNKT-0843/25-VT

STT П/п	Mã Vật Tư Код МТР	Tên VTTB/dịch vụ (Việt/Nga hoặc Anh) Наименование МТР/услуг (вьетнам./русс. или англ.)	Đặc Tính Kỹ Thuật Технические характеристики	ĐVT Ед. Изм.	Số Lượng Кол-во	Ghi Chú Примечание
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. VẬT TƯ THIẾT BỊ						
1	038.010.07391	Pipe 2", S-80, BE, API 5L Gr. X60, ASME B36.10, Smls., 6m per length - Ống thép/ Труба стальная	SEAMLESS PIPE 2" STANDARD SPECIFICATION: API 5L PSL 2 MATERIAL GRADE: API 5L PSL 2 Gr. X60 SCHEDULE: 80 DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	134,64	
2	038.010.07829	Seamless pipe 4" Sch 40 BE API 5L, Gr. B, 6 m per length - Стальная труба	SEAMLESS PIPE 4" STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL 1 Gr. B SCHEDULE: 40 DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	772,07	
3	038.010.01959	PIPE, METALLIC, CARBON STEEL, API 5L, GR.X60, API 5L, SEAMLESS, SCH 160, 13.49 MM, OD:114.3 MM, 4 INCH - Ống thép/ Труба	SEAMLESS PIPE 4" STANDARD SPECIFICATION: API 5L PSL 2 MATERIAL GRADE: API 5L PSL 2 Gr. X60 SCHEDULE: 160 DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	1.811,16	
4	038.010.07832	Seamless pipe 4" Sch XXS BE API 5L, Gr. B, 6 m per length - Стальная труба	SEAMLESS PIPE 4" STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL 1 Gr. B SCHEDULE: XXS DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	4.185,06	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
5	038.010.07833	Seamless pipe 6" Sch 40 BE API 5L, Gr. B, 6 m per length - Стальная труба	SEAMLESS PIPE 6" STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL1 Gr. B SCHEDULE: 40 DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	2.713,83	
6	038.010.07834	Seamless pipe 6" Sch 80 BE API 5L, Gr. B, 6 m per length - Стальная труба	SEAMLESS PIPE 6" STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL 1 Gr B SCHEDULE: 80 DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	2.042,88	
7	038.010.07790	PIPE 8", OD: 219mm, Wall thick ness 12,7mm, SEAMLESS, BE, API 5L Gr. X60, ASME B36.10M (6M PER LENGTH) - Строительная труба	SEAMLESS PIPE 8" STANDARD SPECIFICATION: API 5L PSL 2 MATERIAL GRADE: API 5L PSL2 Gr. X60 WALL THICKNESS 12.7 MM DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	6.593,28	
8	038.010.05314	Seamless pipe 8" Sch 160 API 5L, Gr. X60, 6 m per length - Ống thép/ Труба	SEAMLESS PIPE 8" STANDARD SPECIFICATION: API 5L PSL 2 MATERIAL GRADE: API 5L PSL2 Gr. X60 SCHEDULE: 160 DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	5.340,96	
9	040.007.02747	Concentric Reducer 2" x 3/4", BW, S-160 x S-160, ASTM A234-WPB, ASME B16.9 - Đầu nối chuyển tiếp/ Переход	Concentric Reducer 2" x 3/4", BW, S-160 x S-160, ASTM A234-WPB, ASME B16.9	Pce	2,00	
10	040.007.02772	Concentric Reducer 3" x 2", sch 80 x Sch 80, BW, ASTM A234 Gr. WPB, ASME B16.9 - Переходник	Concentric Reducer 3" x 2", sch 80 x Sch 80, BW, ASTM A234 Gr. WPB, ASME B16.9	Pce	5,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
11	040.007.02951	Concentric Reducer 6" x 4" Sch 80, ASTM A234 WPB, BW, SMSL, ASME B16.9 - Переходник	SEAMLESS BUTT WELD CONCENTRIC REDUCER 6" x 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 80	Pce	1,00	
12	040.007.02474	Concentric Reducer 8"x6" Sch40 BW ASTM A234 WPB, ASME B16.9 - Đầu nối chuyển tiếp/ Переход	Concentric Reducer 8"x6" Sch40 BW ASTM A234 WPB, ASME B16.9	Pce	4,00	
13	040.007.02949	Concentric Reducer 8" x 6" , BW, S-80, ASTM A234- WPB, ASME B16.9 - Переходник	SEAMLESS BUTT WELD CONCENTRIC REDUCER 8" x 6" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 80	Pce	4,00	
14	040.007.02750	Concentric reducer 12" x 8" Sch 80 BW ASTM A234 Gr. WPB, ASME B16.9 - Переходник	SEAMLESS BUTT WELD CONCENTRIC REDUCER 12" x 8" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 80	Pce	8,00	
15	040.007.02932	Eccentric Reducer 12"x 8" (324mm x 219mm), BW, 12,7 mm thickness, ASTM A234 GR WPB, ASME B16.9 - Переходник	SEAMLESS BUTT WELD ECCENTRIC REDUCER 12" x 8" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 THICKNESS: 12,7MM	Pce	1,00	
16	040.007.02933	Eccentric Reducer 16" x 12" (406mm x 324mm), BW, 16mm thickness, ASTM A234 GR WPB, ASME B16.9 - Переходник	SEAMLESS BUTT WELD ECCENTRIC REDUCER 16" x 12" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 WALL THICKNESS 16MM	Pce	2,00	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
17	040.005.02586	Elbow 90 Deg. SW 3/4" 6000# ASTM A105N - Đầu nối cong/ Отвод	SEAMLESS SOCKET WELD ELBOW 3/4" STANDARD SPECIFICATION: ASTM 105N DIMENSION: ASME B16.11, LONG RADIUS RATING: 6000#	Pce	10,00	
18	040.005.02353	Elbow, 3/4" Sch XXS, 90 Deg., BW, LR, ASTM A234 WPB - Đầu nối cong/ Отвод	SEAMLESS BUTT WELD ELBOW 3/4" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: XXS	Pce	5,00	
19	040.005.03538	Elbow 90Deg, 1 1/2 in, SW, 6000#, ASTM A182-F316, ASME B16.11	SEAMLESS BUTT WELD ELBOW 1 1/2" 90 DEG STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: ASTM A182 GRADE F316 DIMENSION: ASME B16.11 RATING: 6000#	Pce	5,00	
20	040.005.04361	ELBOW 2", 90 SCH 80 LR BW ASTM A234 GR WPB ASME B16.9 - Đầu nối cong/ Отвод	SEAMLESS BUTT WELD ELBOW 2" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 80	Pce	40,00	
21	040.005.03737	Elbow 90 Deg LR, BW, 2" S- 80, A860 WPHY60, ASME B16.9 - Đầu nối cong/ Отвод	SEAMLESS BUTT WELD ELBOW 2" 90 DEG STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 80	Pce	10,00	
22	040.005.04362	Elbow 3" 90 Deg. LR Sch 80 BW ASTM A234 WPB - Отводы	SEAMLESS BUTT WELD ELBOW 3" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 80	Pce	40,00	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
23	040.005.04364	ELBOW 4", 90 SCH 40 LR BW ASTM A234 GR WPB ASME B16.9 - Отводы	SEAMLESS BUTT WELD ELBOW 4" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 40	Pce	50,00	
24	040.005.04692	Seamless elbow 4" Sch 80 Deg. 90, LR, BW, A234 Gr. WPB - Отвод	SEAMLESS BUTT WELD ELBOW 4" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 80	Pce	15,00	
25	040.005.03739	Seamless elbow 4" Sch 160 Deg. 90, LR, BW, A860 Gr. WPHY60, ASME B16.9 - Đầu nối cong/ Отвод	SEAMLESS BUTT WELD ELBOW 4" 90 DEG STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 160	Pce	20,00	
26	040.005.04397	Seamless Elbow 4" 90 Deg. LR, Sch XXS, BW, ASTM A234 WPB - Отвод	SEAMLESS BUTT WELD ELBOW 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: XXS	Pce	50,00	
27	040.005.04365	ELBOW 6", 90 SCH 40 LR BW ASTM A234 GR WPB ASME B16.9- Đầu nối cong - Отводы	SEAMLESS BUTT WELD ELBOW 6" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 40	Pce	80,00	
28	040.005.04655	ELBOW 6", 90 SCH 80 LR BW ASTM A234 GR WPB ASME B16.9 - Отводы	Elbow 6", 90Deg Seamless, LR, BW, Sch-80, ASTM A234-WPB, ASME B16.9	Pce	9,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
29	040.005.03071	ELBOW, PIPE, CARBON STEEL, ASTM A234, WPB, ASME B16.9, 90 DEG, LONG, BUTTWELD, SCH 80, 8 INCH - Đầu nối cong/ Отвод	SEAMLESS BUTT WELD ELBOW 8" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 80	Pce	20,00	
30	040.005.04661	ELBOW 8" LR 90DEG, 12,7 mm Thickness, OD: 219mm, ASME B16.9, ASTM A860-WPHY60, ASTM B16.9 - Отводы	SEAMLESS BUTT WELD ELBOW 8" 90° STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860-WPHY60 DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 80	Pce	40,00	
31	040.005.00277	Seamless elbow 8" Sch 160 Deg. 90, LR, BW, A860 Gr. WPHY60, ASME B16.9 - Отвод	SEAMLESS BUTT WELD ELBOW 8" 90° STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860-WPHY60 DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 160	Pce	8,00	
32	040.005.04399	Seamless Elbow 12" 90 Deg. LR, Sch 40, BW, ASTM A234 WPB, ASME B16.9 - Отвод	SEAMLESS BUTT WELD ELBOW 12" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: 40	Pce	6,00	
33	040.005.04662	ELBOW 12" LR 90DEG, 15,9 mm Thickness, OD: 324mm, ASME B16.9, ASTM A860-WPHY60, ASTM B16.9 - Отводы	SEAMLESS BUTT WELD ELBOW 12" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 DIMENSION: ASME B16.9, LONG RADIUS WALL THICKNESS 15.9MM	Pce	51,00	
34	040.004.02882	Nipple 3/4" S160 PE x PE, L=100mm, ASTM A106 Gr. B - Đầu nối thẳng/ Ниппель	NIPPLE 3/4" PE X PE STANDARD SPECIFICATION: ASTM A106 MATERIAL GRADE: ASTM 106 Gr. B SCHEDULE: 160 DIMENSION: API 5L / ASME B36.10M 100MM PER LENGTH	Pce	10,00	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
35	040.004.03281	Nipple 3/4 in, PEХPE, S-XXS, 100 mm, ASTM A106-B, ASME B36.10, Smls.,-Đầu nối thẳng ống thép/ ниппель	NIPPLE 3/4" PE X PE STANDARD SPECIFICATION: ASTM A106 MATERIAL GRADE: ASTM 106 Gr. B SCHEDULE: XXS DIMENSION: API 5L / ASME B36.10 100MM PER LENGTH	Pce	7,00	
36	040.004.03045	Ống nối/Ниппель 1 1/2 in, Nipple, PEХPE, S-160, 100 mm, ASTM A106-B, ASME B36.10, Smls., piping class: BC1 - Ниппель	NIPPLE 1 1/2" PE X PE STANDARD SPECIFICATION: ASTM A106 MATERIAL GRADE: ASTM A106 Gr. B SCHEDULE: 160 DIMENSION: API 5L / ASME B36.10M 100MM PER LENGTH	Pce	8,00	
37	040.011.01659	Đầu bịt đực - Plug 1/2", NPTM, 6000#, A182-F316, ASME B16.11/Заглушка - Заглушка	PLUG 1/2" NPTM STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: ASTM A182 GRADE F316 DIMENSION: ASME B16.11 RATING: 6000#	Pce	5,00	
38	040.011.01439	Plug, NPTM, 6000#, ASTM A105N, ASME B16.11, Smls, 3/4" - Nắp bịt ren/ ЗАГЛУШКА - Пробка	PLUG 3/4" NPTM STANDARD SPECIFICATION: ASTM A105N DIMENSION: ASME B16.11 RATING: 6000#	Pce	40,00	
39	040.004.02841	3/4" x 1/2" REDUCING HEX NIPPLE 6000# NPTM ASTM A312-TP316/316L - Đầu nối thẳng/ Ниппель	REDUCING HEX NIPPLE 3/4" X 1/2" STANDARD SPECIFICATION: ASTM A312 MATERIAL GRADE: ASTM A312 GRADE TP316/316L DIMENSION: ASME B16.11 RATING: 6000#	Pce	20,00	
40	040.010.01159	Socket SW, 2" x 1/2" 3000#, ASTM A182 F316/316L, ANSI B16.11 - Đầu nối nhánh yên ngựa/ Седловина	SOCKOLET 2" x 1/2" STANDARD SPECIFICATION: ASTM A182, MSS SP-97 MATERIAL GRADE: ASTM A312 GRADE TP316/316L DIMENSION: MSS SP-97 RATING: 3000#	Pce	10,00	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
41	040.010.01789	Socket 8"x1/2"; 6000#; SW; ASTM A105N - Đầu nối nhánh yên ngựa/ Седловина	Tiêu chuẩn vật liệu: ASTM A105 (Socket 8"x1/2", 6000#, SW, ASTM A105)	Pce	8,00	
42	040.010.01856	Socket SW, 6" x 3/4"; 6000#; ASTM A105N; MSS SP-97 - Đầu nối nhánh yên ngựa/ Седловина	SOCKOLET 6" x 3/4" STANDARD SPECIFICATION: ASTM A105N, DIMENSION: MSS SP-97 RATING: 6000#	Pce	10,00	
43	040.010.01450	Socket 8"x3/4" 6000# SW ASTM A694 F60 - Đầu nối nhánh yên ngựa/ Седловина	SOCKOLET 8" x 3/4" STANDARD SPECIFICATION: ASTM A694, MSS SP-97 MATERIAL GRADE: ASTM A694 GRADE F60 DIMENSION: MSS SP-97 RATING: 6000#	Pce	70,00	
44	040.010.01657	Socket 12"x3/4"; 6000#; ASTM A105N; MSS SP-97 - Đầu nối nhánh yên ngựa/ Седловина	SOCKOLET 12" x 3/4" STANDARD SPECIFICATION: ASTM A105N DIMENSION: MSS SP-97 RATING: 6000#	Pce	20,00	
45	040.010.00024	Socket 8" x 1 1/2", 6000#, ASTM A105N, MSS SP-97	SOCKOLET 8" x 1 1/2" STANDARD SPECIFICATION: ASTM A105N DIMENSION: MSS SP-97 RATING: 6000#	Pce	14,00	
46	040.006.02863	REDUCING TEE 3"x2", SCH 80 BW ASTM A234 GR WPB ASME B16.9 - Тройник	SEAMLESS BUTT WELD REDUCING TEE 3" x 2" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: S-80	Pce	10,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
47	040.006.01515	Reducing Tee 4"x3", BW; S-80 x S-80, ASTM A234-WPB, ASME B16.9 - Đầu nối trục ba/ Тройник	Reducing Tee 4"x3", BW; S-80 x S-80, ASTM A234-WPB, ASME B16.9	Pce	3,00	
48	040.006.03424	Tee Reducing 6" x 3" , BW, S-40 x S-80, ASTM A234-WPB, ASME B16.9 - Тройник	SEAMLESS BUTT WELD REDUCING TEE 6" x 3" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: S-40 X S-80	Pce	3,00	
49	040.006.03448	REDUCING TEE 6"x4" SCH 80 BW ASTM A234 GR WPB ASME B16.9 - тройник	SEAMLESS BUTT WELD REDUCING TEE 6" x 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 80	Pce	3,00	
50	040.006.02869	REDUCING TEE 8"x4", SCH 40 BW ASTM A234 GR WPB ASME B16.9 - Тройник	SEAMLESS BUTT WELD REDUCING TEE 8" x 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 40	Pce	4,00	
51	040.006.02799	Tee Reducing, BW, 8" x 4", S-160 x S-160, ASTM A860-WPHY60 - Đầu nối trục ba/ Тройник	SEAMLESS BUTT WELD REDUCING TEE 8" x 4" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 DIMENSION: ASME B16.9 SCHEDULE: 160	Pce	5,00	
52	040.006.02868	REDUCING TEE 8"x6", SCH 40 BW ASTM A234 GR WPB ASME B16.9 - Тройник	SEAMLESS BUTT WELD REDUCING TEE 8" x 6" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 40	Pce	2,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
53	040.006.02875	Reducing Tee 12" x 8" sch 80, BW, SMSL, ASTM A234 WPB, ASME B16.9 - Тройники	SEAMLESS BUTT WELD REDUCING TEE 12" x 8" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: S-80 X S-80	Pce	2,00	
54	040.006.02862	EQUAL TEE 2", SCH 80 BW ASTM A234 GR WPB ASME B16.9 - Đầu nối trục ba/ Тройник	SEAMLESS BUTT WELD EQUAL TEE 2" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 80	Pce	10,00	
55	040.006.03427	Tee 4" , BW, S-80, ASTM A234-WPB, ASME B16.9 - Тройник	SEAMLESS BUTT WELD EQUAL TEE 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 80	Pce	10,00	
56	040.006.03428	Tee 4" , BW, S-160, ASTM A860-WPHY60 - Тройник	SEAMLESS BUTT WELD EQUAL TEE 4" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 DIMENSION: ASME B16.9 SCHEDULE: 160	Pce	2,00	
57	040.006.03425	Equal Tee 6", BW, S-40, ASTM A234-WPB, ASME B16.9 - Đầu nối trục ba/ Тройник	SEAMLESS BUTT WELD EQUAL TEE 6" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 40	Pce	7,00	
58	040.006.00039	Tee 6", BW, S-40, ASTM A860-WPHY60	BUTT WELD EQUAL TEE 6" MATERIAL GRADE: ASTM A860 GRADE WPHY60 DIMENSION: ASME B16.9 SCHEDULE: 40	Pce	1,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
59	040.006.02865	Equal Tee BW, 8" Sch40, ASTM A234 WPB ASME B16.9 - Đầu nối trục ba/ Тройник	SEAMLESS BUTT WELD EQUAL TEE 8" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB DIMENSION: ASME B16.9 SCHEDULE: 40	Pce	2,00	
60	040.006.03683	Tee 8", BW, S-160, ASTM A860-WPHY60, ASME B16. 9 - Тройник	SEAMLESS BUTT WELD EQUAL TEE 8" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860-WPHY60 DIMENSION: ASME B16.9 SCHEDULE: 160	Pce	4,00	
61	040.011.01625	Cap 8", BW, S-160, ASTM A860-WPHY60, ASME B16. 9 - Nắp bịt/ Заглушка	Cap, 8 in, BW, S-160, ASTM A860-WPHY60, ASME B16.9	Pce	4,00	
62	040.010.01996	WELDOLET 3/4", SCH XXS BW ASTM A105N ASME B16.9 - Седловина	BUTT WELD WELDOLET 3/4" STANDARD SPECIFICATION: ASTM A105N DIMENSION: ASME B16.9 SCHEDULE: XXS	Pce	10,00	
63	040.010.01918	Weldolet 6"x 2", BW, 14.3 mm x S-160, ASTM A694 Gr. F60, MSS SP-97 - Đầu nối nhánh yên ngựa/ Седловина	BUTT WELD WELDOLET 6" x 2" MSS SP-97 MATERIAL GRADE: ASTM A694 GRADE F60 SCHEDULE: 14.3MM THK. X S-160	Pce	5,00	
64	040.010.01461	Weldolet 8"x 2" Sch80 BW ASTM A105N - Đầu nối nhánh yên ngựa/ Седловина	BUTT WELD WELDOLET 8" x 2" MSS SP-97 STANDARD SPECIFICATION: ASTM A105N DIMENSION: ASME B16.9 SCHEDULE: 80	Pce	20,00	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
65	040.010.01644	Weldolet 12"x2" - Sch80 x Sch160 BW ASTM A105N, ASME B16.9	BUTT WELD WELDOLET 12" x 2" STANDARD SPECIFICATION: ASTM A105N DIMENSION: ASME B16.9 SCHEDULE: S-80 X S-160	Pce	10,00	
66	040.010.01922	Weldolet 10"x 2", BW, 15.9 mm x S-80, ASTM A694 Gr. F60, MSS SP-97 - Đầu nối nhánh yên ngựa/ Седловина	BUTT WELD WELDOLET 10" x 2" MSS SP-97 MATERIAL GRADE: ASTM A694 GRADE F60 SCHEDULE: 15.9MM THK. X S-80	Pce	10,00	
67	040.010.00025	Weldolet, 8" x 1 1/2" BW, S-80 x S-160, ASTM A105N, MSS SP-97	BUTT WELD WELDOLET 8" x 1 1/2" MSS SP-97 STANDARD SPECIFICATION: ASTM A105N SCHEDULE: S-80 X S-160	Pce	9,00	
68	040.002.06638	Blind Flange 12", WN, 300#, RF, ASTM A105N, ASME B16.5 - Фланцы	BLIND FLANGE RAISED FACE 12" STANDARD SPECIFICATION: ASTM A105N RATING: 300# DIMENSION: ASME B16.5	Pce	2,00	
69	040.002.04979	Blind Flange 1.1/2"-150# with hole 1/2" SW, RF, ASTM A182-F316/316L, ASME B16.5 - Mặt bích mù/ Фланец глухой	BLIND FLANGE 1 1/2" WITH HOLE 1/2" SW RAISED FACE STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: A182 GR F316 RATING: 150# DIMENSION: ASME B16.5	Pce	1,00	
70	040.002.06634	Blind Flange 2" 300#, RF, ASTM A105N - Фланцы	BLIND FLANGE 2" RAISED FACE STANDARD SPECIFICATION: ASTM A105N RATING: 300# DIMENSION: ASME B16.5	Pce	13,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
71	040.002.07150	Blind Flange 2" with hole 3/4" SW, 300#, RF,ASTM A105N, ASME B16.5 - Фланцы	BLIND FLANGE 2" WITH HOLE 3/4" SW RAISED FACE STANDARD SPECIFICATION: ASTM A105N RATING: 300# DIMENSION: ASME B16.5	Pce	8,00	
72	040.002.07176	BLIND FLANGE 1 1/2" 300# RF ASTM A105N ASME B16.5 - фланец	BLIND FLANGE 1 1/2" RAISED FACE STANDARD SPECIFICATION: ASTM A105N RATING: 300# DIMENSION: ASME B16.5	Pce	6,00	
73	040.002.01960	Blind flange 2" - 600# RF ASTM A105N	BLIND FLANGE RAISED FACE 2" STANDARD SPECIFICATION: ASTM A105N MATERIAL GRADE: A105N GR B RATING: 600# DIMENSION: ASME B16.5	Pce	2,00	
74	040.002.06546	Blind Flange 3" 300# RF Sch 80 ASTM A105N Gr.B ASME 16.5 - Глухой фланец	BLIND FLANGE 3" RAISED FACE STANDARD SPECIFICATION: ASTM A105N DIMENSION: ASME B16.5 RATING: 300	Pce	2,00	
75	040.002.06507	Blind Flange 16", 300#, RF, ASTM A105N, ASME B16.5 - Mặt bích mù/ Фланец глухой	BLIND FLANGE 16" RAISED FACE STANDARD SPECIFICATION: ASTM A105N DIMENSION: ASME B16.5 RATING: 300	Pce	2,00	
76	040.002.06457	Flange WN 4", 2500#, RTJ, S-160, ASTM A694 GR.F60 - Фланец	WELD NECK FLANGE RING TYPE JOINT 4" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR F60 RATING: 2500# DIMENSION: ASME B16.5 SCHEDULE: 160	Pce	4,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
77	040.002.02699	FLANGE, PIPE, WELD NECK, CARBON STEEL, ASTM A694, F60, ASME B16.5, RING TYPE JOINT, SMOOTH, CLASS 2500, SCH XXS, 4 INCH - ФЛАНЦЫ 4" CLASS 2500, SCH XXS - Mặt bích	WELD NECK RING TYPE JOINT FLANGE 4" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 RATING: 2500# SCHEDULE: XXS DIMENSION: ASME B16.5	Pce	12,00	
78	040.002.06336	Flange WN, 8"-2500#, RTJ, S-160, ASTM A694 Gr.F60, ASME B16.5 - Mặt bích/ Фланец	WELD NECK RING TYPE JOINT FLANGE 8" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 RATING: 2500# SCHEDULE: 160 DIMENSION: ASME B16.5	Pce	8,00	
79	040.002.06355	Flange SW, 1 1/2"-150#, RF, S-80S, ASTM A182-F316, ASME B16.5 - Mặt bích/ Фланец	SOCKET WELD RAISED FACE FLANGE 1 1/2" STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: A182 GR F316 RATING: 150# SCHEDULE: 80S DIMENSION: ASME B16.5	Pce	1,00	
80	040.002.05748	Flange 3"; WN; 150#; RF; S-80; ASTM A105N; ASME B16.5 - Mặt bích/ Фланец	WELD NECK RAISED FACE FLANGE 3" STANDARD SPECIFICATION: ASTM A105N RATING: 150# SCHEDULE: 80 DIMENSION: ASME B16.5	Pce	3,00	
81	040.002.06314	Flange WN, 4"-150#, RF, S-80, ASTM A105N, ASME B16.5 - Mặt bích/ Фланец	WELD NECK RAISED FACE FLANGE 4" STANDARD SPECIFICATION: ASTM A105N RATING: 150# SCHEDULE: 80 DIMENSION: ASME B16.5	Pce	20,00	
82	040.002.07138	Flange 6" WN, 150#, RF, S-40, ASTM A105N, ASME B16.5 - Mặt bích/ Фланец	WELD NECK RAISED FACE FLANGE 6" STANDARD SPECIFICATION: ASTM A105N RATING: 150# SCHEDULE: 40 DIMENSION: ASME B16.5	Pce	8,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
83	040.002.06317	Flange WN, 6"-150#, RF, S-80, ASTM A105N, ASME B16.5 - Mặt bích/ Фланец	WELD NECK RAISED FACE FLANGE 6" STANDARD SPECIFICATION: ASTM A105N RATING: 150# SCHEDULE: 80 DIMENSION: ASME B16.5	Pce	2,00	
84	040.002.07464	Flange 1-1/2" SW, 300#, RF, S-160, ASTM A694 Gr.F60, ASME B16.5 - фланцы	SOCKET WELD RAISED FACE FLANGE 1 1/2" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 RATING: 300# SCHEDULE: 160 DIMENSION: ASME B16.5	Pce	5,00	
85	040.002.07348	1 1/2 in, Flange SW, 600#, RF, ASTM A105N, ASME B16.5 - Mặt bích mù/ Фланец глухой	SOCKET WELD RAISED FACE FLANGE 1 1/2" STANDARD SPECIFICATION: ASTM A105N RATING: 600# SCHEDULE: 160 DIMENSION: ASME B16.5	Pce	2,00	
86	040.002.07083	Flange WN 2" 300# Sch 80 RF ASTM A105N - Фланцы	WELD NECK RAISED FACE FLANGE 2" STANDARD SPECIFICATION: ASTM A105N RATING: 300# SCHEDULE: 80 DIMENSION: ASME B16.5	Pce	50,00	
87	040.002.06333	Flange WN, 2"-300#, RF, S-80, ASTM A694 Gr.F60, ASME B16.5 - Mặt bích/ Фланец	WELD NECK RAISED FACE FLANGE 2" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 RATING: 300# SCHEDULE: 80 DIMENSION: ASME B16.5	Pce	15,00	
88	040.002.07084	FLANGE 3", 300# SCH 80 RF WN ASTM A105N ASME B16.5 - Mặt bích/ Фланцы	Type: Welneck Flange, Material specification: ASTM A105N Dimensional standard: ASME B16.5, End face: Raised face (RF) Schedule pressure class: 300#, Size: 3 inch, Sch 80	Pce	10,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
89	040.002.07086	FLANGE 6", 300# SCH 80 RF WN ASTM A105N ASME B16.5 - Фланцы	WELD NECK RAISED FACE FLANGE 6" STANDARD SPECIFICATION: ASTM A105N RATING: 300# SCHEDULE: 80 DIMENSION: ASME B16.5	Pce	45,00	
90	040.002.06335	Flange WN, 6"-300#, RF, S- 40, ASTM A694 Gr.F60, ASME B16.5 - Mặt bích/ Фланец	WELD NECK RAISED FACE FLANGE 6" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.60 RATING: 300# SCHEDULE: 40 DIMENSION: ASME B16.5	Pce	6,00	
91	040.002.07098	FLANGE 8", 300#,RF,WN, match to pipe 12.7mm thickness, OD: 219 MM, ASTM A694-GR.F60 ASME B16.5 - Фланцы	WELD NECK RAISED FACE FLANGE 8" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 RATING: 300# SCHEDULE: 80 DIMENSION: ASME B16.5	Pce	30,00	
92	040.002.07099	FLANGE 12", 300#,RF,WN, match to pipe 15.9mm thickness, OD:324 MM, ASTM A694-GR.F60 ASME B16.5 - Фланцы	WELD NECK RAISED FACE FLANGE 12" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 RATING: 300# MATCH TO PIPE THICKNESS 15.9MM DIMENSION: ASME B16.5	Pce	90,00	
93	040.002.07214	Flange WN, 2" 600#, RF, S- 160, ASTM A105N - Фланец	WELD NECK RAISED FACE FLANGE 2" STANDARD SPECIFICATION: ASTM A105N RATING: 600# SCHEDULE: 160 DIMENSION: ASME B16.5	Pce	2,00	
94	040.002.02633	BLIND, IN LINE, SPECTACLE BLIND, CARBON STEEL, ASTM A694, F60, ASME B16.48, RING TYPE JOINT, CLASS 2500, 4 INCH	RING TYPE JOINT SPECTACLE BLIND 4" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A516 GR.F60 RATING: 2500# DIMENSION: ASME B16.48	Pce	2,00	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
95	040.002.03418	6" SPECTACLE BLIND 150#, RF ASTM A516 GR.70 - Mặt bích mù số 8/ заглушка поворотная	RAISED FACE SPECTACLE BLIND 6" STANDARD SPECIFICATION: ASTM A516 MATERIAL GRADE: A516 GR.70 RATING: 150# DIMENSION: ASME B16.48	Pce	5,00	
96	040.002.06509	SPECTACLE BLIND 8", 300# RF ASTM A516 Gr.70 ASME B16.48 - заглушка	RAISED FACE SPECTACLE BLIND 8" STANDARD SPECIFICATION: ASTM A516 MATERIAL GRADE: A516 GR.70 RATING: 300# DIMENSION: ASME B16.48	Pce	1,00	
97	040.002.07604	Line Spacer / Spade 8", 2500#, RTJ, ASTM A694 GR. F60, ASME B16.48 - Фланцы	RING TYPE JOINT LINE SPACER / SPADE 8" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 RATING: 2500# DIMENSION: ASME B16.48	Pce	4,00	
98	040.001.12225	BALL VALVE 1/2", 3000 Psig FB SWxNPTF ASTM A105N ASME B16.34 - Шаровой клапан	BALL VALVE 1/2" FULL BORE RATING: 3000 PSIG OR 800# END CONNECTION: SOCKET WELD X FNPT END (Pupped End (PE) Pup piece of 100mm shall be provided, material A312 5L Gr TP316, Sch80S) CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE OPERATOR: LEVER	Pce	8,00	
99	040.001.12610	Ball Valve Full Bore, 3/4" -6000 Psig / 1500#, Pupped PE end x FNPT end, ASTM A105N or equal, ASME B16. 34, Floating, Lever Operated, Locking device, Pup piece ASTM A106 Gr.B, Sch160. - Шаровой кран	BALL VALVE 3/4" FULL BORE RATING: 6000 PSIG OR 1500# END CONNECTION: PUPPED END X FNPT END (Pupped End (PE) Pup piece of 100mm shall be provided on the socket weld end of the valve. Pup piece material API 5L Gr.X60, SchXXS) CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE OPERATOR: LEVER	Set	30,00	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
100	040.001.00006	Ball Valve FB 3/4", 6000 Psig / 2500#, Puppod BE x FNPT with Pup piece, Body-ASTM A105N	BALL VALVE 3/4" FULL BORE RATING: 6000 PSIG / 2500# END CONNECTION: PUPPED END X FNPT END Pup piece of 100mm, material API 5L Gr.X60, SchXXS CONSTRUCTION STANDARD: API 6D TRUNNION MOUNTED TYPE OPERATOR: LEVER	Pce	5,00	
101	040.001.13249	Ball Valve 1 1/2"-150# RF Flanged Ends, Full bore, floating ball type, ASTM A182-F316, ASME B36.10, Lever operated - Шаровой кран	BALL VALVE 1 1/2" FULL BORE RATING: 150# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: FLOATING TYPE OPERATOR: LEVER	Set	1,00	
102	040.001.12109	Van bi/Вентиль 2 in, Ball Valve Full Bore, 300#, RF Flanged ends, ASTM A216-WCB, API 6D, Floating Ball Type, Lever Operated, Locking device, - / Van bi/ Шаровой Кран -2"- 300.	BALL VALVE 2" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: FLOATING TYPE OPERATOR: LEVER	Pce	10,00	
103	040.001.12256	Ball valve 3" 300#, FB, Floating Ball Type, RF Flange Ends, ASTM A216-WCB, API 6D, Lever Operated, Locking device - Van bi/ Шаровой кран	BALL VALVE 3" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: FLOATING TYPE OPERATOR: LEVER	Pce	3,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
104	040.001.02421	4" Ball valve Full Bore, Flanged ends, 150#, RF, ASTM A216-WCB, API 61), Floating, Lever Operated, Stem extension 50mm, Valve code: BANAL - Шаровой кран	BALL VALVE 4" FULL BORE RATING: 150# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: FLOATING TYPE OPERATOR: LEVER	Pce	2,00	
105	040.001.12326	Ball valve 4" 2500#, full bore, Trunnion mounted ball type, RTJ,FLG end, gear operated / кран Шаровой	BALL VALVE 4" FULL BORE RATING: 2500# END CONNECTION: FLANGED RTJ FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D or BS EN ISO 17292 or ASME B16.34 CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE OPERATOR: GEAR	Pce	5,00	
106	040.001.11571	Ball Valve; Full Bore ; 6" 300#; RF Flanged ends; ASTM A216-WCB; API 6D; Trunnion mounted; Gear Operated; Locking device - Van Bi/ Шаровой кран	6 in Ball Valve Full Bore, 300#, RF Flanged ends, Body ASTM A216-WCB or equal, API 6D, Trunnion mounted Ball Type, Gear or Level Operated, Locking device	Pce	14,00	
107	040.001.12263	Ball valve 8"300#, RF Flange Ends, ASTM A216-WCB/ Equal, API 6D, Trunnion mounted, Gear Operated, Locking device - Шаровой кран	BALL VALVE 8" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE (ID = 193.7MM) OPERATOR: GEAR	Pce	4,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
108	040.001.13089	BALL VALVE 12", 300# RF ASTM A216 GR. WCB ASME B16.10 GEAR OPERATED HANDWHEEL - Клапан	BALL VALVE 12" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: SPLIT BODY, REPLACEABLE BALL AND SEAT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE (ID = 292.1MM) OPERATOR: GEAR	Set	12,00	
109	040.001.13088	SWING CHECK VALVE 6", 300# RF ASTM A216 GR. WCB ASME B16.10 - Клапан	SWING CHECK VALVE 6" RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D CONSTRUCTION BODY: BOLTED COVER, SWING TYPE TRIM DESIGN: REPLACEBLE DISC, RENEWABLE SEAT, METAL TO METAL SEATING SURFACE. ACTION: SELF-ACTING	Set	3,00	
110	040.001.12095	Globe Valve 2" 300# RF ASTM A216 WCB Hand wheel - Van cầu/ Проходной вентиль	GLOBE VALVE 2" RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 623 CONSTRUCTION TYPE: OUTSIDE SCREW & YOKE, PLUG TYPE DISC, BOLTED BONNET, PACKED GLAND TRIM DESIGN: REPLACEABLE DISC AND SEAT OPERATOR: HANDWHEEL	Pce	1,00	
111	040.001.12358	Needle Valve, 1/2" 3000 Psig / 800#, Papped PE end x FNPT end, OS&Y, ASTM A182-F316 or equal, ASME B16.34, T-bar operated, with 1 pup end PE ASTM A312 Gr.TP316, Sch80S - Van kim/ Игольчатый клапан	NEEDLE VALVE 1/2" RATING: 3000 PSIG OR 800# END CONNECTION: SOCKET WELD X FNPT PUP PIECE OF 100MM SHALL BE PROVIDED ON THE SOCKET WELD END OF THE VALVE. PUP PIECE MATERIAL ASTM A312 GR.TP316, SCH80S) CONSTRUCTION STANDARD: ASME B16.11 CONSTRUCTION TYPE: INSIDE SCREW, ANTI STATIC DESIGN TRIM DESIGN: SOLID NEEDLE OPERATION: T-BAR	Pce	1,00	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
112	040.001.13085	ANGLE CHOKE VALVE 4", 2500# RTJ ASTM A216 GR. WCB/ EQUAL - Клапан	ADJUSTABLE ANGLE CHOKE VALVE 4" RATING: 2500# END CONNECTION: 2500# RTJ x 2500# RTJ to ASME B16.5 CONSTRUCTION STANDARD: API 6A CONSTRUCTION BODY TYPE: ANGLE CHOKE OPERATION: HANDWHEEL	Set	2,00	
113	040.001.13090	PRESSURE SAFETY VALVE 3"300,RF x 4"150, RF. SET: 40 Bar - Клапан	PRESSURE SAFETY VALVE 3" x 4" RATING: 300# x 150# END CONNECTION: 3" 300# RF x 4" 150# RF CONSTRUCTION STANDARD: API 526	Pce	2,00	
114	040.001.12381	Shutdown Valve Full bore, 8" 300# RF Flanged ends, Body material ASTM A216-WCB, API 6D - Van tự động/ отсекающий клапан	Shutdown Valve Full bore, 8" 300# RF Flanged ends, Body material ASTM A216-WCB or equal, API 6D Actuator: Pneumatic single action spring return, with travel indication, fail close; Torque safety factor 1.5 as minimum, c/w hand wheel	Pce	2,00	
115	040.001.08071	Shutdown Valve 12" 300# RF, FB, ASTM A216 w/ Actuator - Запорный Клапан	SHUTDOWN VALVE 12" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 BODY MATERIAL ASTM 216 WCB CONSTRUCTION BALL: TRUNNION MOUNTED TYPE (ID 292.1 mm) HANDWHEEL ACTUATOR TYPE PNEUMATIC SINGLE ACTION SPRING RETURN FAIL CLOSE	Pce	10,00	
116	061.003.01924	Studbolts M16 (5/8" UNC) x 90mm w/2 hex. nuts, ASTM A193-B7/A194-2H, Xylan fluorocarbon coated, ASME B18.2.1/B18.2.2 - Бу lông + đai ốc/ Шпильки с 2 шестигранными гайками	STUDBOLTS M16 5/8" X 90 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	200,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
117	061.003.01568	Studbolt & nuts M16x110 ASTM A193-B8M/ A194-8M - Gudong/ Шпилька с гайками	STUDBOLTS M16 (5/8" UNC) X 110MM W/2 HEX. NUTS, ASTM A193-B8M/ A194-8M ASME B18.2.1/ B18.2.2	Set	220,00	
118	061.003.02241	Studbolts 5/8" UNC x 110 mm w/2 hex. nuts, ASTM A193 Gr.B7/ASTM A194 Gr. 2H, ASME B18.2.1/B18.2.2, Galvanized and Xylan fluorocarbon coated - Шпильки	STUDBOLTS 5/8" X 110 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	600,00	
119	061.003.02634	3/4"x200 STUD BOLTS ASTM A193 GR. B7 XYLAN FLUOROCARBON COATED ASME B18.2.1 /HEX. NUTS ASTM A194 GR. 2H XYLAN FLUOROCARBON COATED ASME B18.2.2 - шпильки	STUDBOLTS M20 X 200 W/2 HEX. NUTS ASTM A193-B8M/ A194-8M ASME B18.2.1/B18.2.2	Pce	100,00	
120	061.003.02585	STUD BOLTS M20x150, ASTM A193 GR. B7 XYLAN FLUOROCARBON COATED ASME B18.2.1 /HEX. NUTS ASTM A194 GR. 2H XYLAN FLUOROCARBON COATED ASME B18.2.2 - Шпильки	STUDBOLTS M20 X 150 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	500,00	
121	061.003.02553	Stud Bolts w/2 Hex. Nuts, 2 Washers 3 mm Thk., ASTM A193-B7/ A194-2H, Sermagard 1105/1280 Coated, ASME B18.2.1/ B18.2.2, M20 (3/4 in), 195MM - Gu đồng/ Шпилька с гайками	STUDBOLTS 3/4" X 195 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	400,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
122	061.003.01176	Studblots 7/8" x 160mm - Шпилька 7/8" (M24, 160mm)	STUDBOLTS 7/8" X 160 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	300,00	
123	061.003.01894	Studbolts M30 (1 1/8" UNC) x 190 mm w/2 hex. nuts, ASTM A193-B7/A194-2H, Xylan fluorocarbon coated, ASME B18.2.1/B18.2.2 - Шпилька	STUDBOLTS M30 1 1/8" X 190 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	600,00	
124	061.001.04591	Studbolts 1 1/2 in w/2 hex. nuts, ASTM A193-B7/ A194- 2H, Xylan fluorocarbon coated, 1 1/2 in (M39), 270mm - Gudông kèm 2 đai ốc lục giác /Шпильки с 2 шестигранными гайками	STUDBOLTS M39 1 1/2" X 270 MM W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	200,00	
125	061.003.02587	STUD BOLTS M39x335, ASTM A193 GR. B7 XYLAN FLUOROCARBON COATED ASME B18.2.1 /HEX. NUTS ASTM A194 GR. 2H XYLAN FLUOROCARBON COATED ASME B18.2.2- Bu lông + đai ốc - Шпильки	STUDBOLTS M39 1 1/2" X 335 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	200,00	
126	061.003.02654	Studbolts w/2 hex. nuts, ASTM A193-B7/ A194-2H, Xylan Fluorocarbon Coated, ASME B18.2.1/ B18.2.2, M52, 505mm - Шпильки	STUDBOLTS 2" x 505 MM W/2 HEX. NUTS ASTM A193 GR.B7/ASTM A194 GR.2H ASME B18.2.1/B18.2.2 GALVANIZED AND XYLAN FLUOROCARBON COATED	Set	48,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
127	040.009.02304	GASKET, RING TYPE JOINT, SOFT IRON, R-66, CLASS 900, 16 INCH- Giống làm kín - Sắt mềm/ Прокладка мягкого железа	GASKET, RING TYPE JOINT, TYPE:STYLE R,OCTAGONAL, MATERIAL:SOFT IRON, DIMENSIONAL STANDARD:ASME B16.20, GASKET NUMBER:R-66, PRESSURE RATING:CLASS 900, NOMINAL SIZE:16 INCH, HARDNESS:MAX.90 BHN	Pce	6,00	
128	040.009.04506	SOFT IRON GASKET 8" , 2500# RTJ, HARDNESS 90 BHN, ELECTROPLATED ZINC COATED, OCTAGONAL RING TYPE JOINT, TYPE R, ASME B16.20 - Прокладка	METALLIC RING JOINT 8" R-51 TYPE R OCTAGONAL RATING: 2500# DIMENSION: ASME B16.20	Pce	10,00	
129	040.009.05035	SPIRAL WOUND GASKET 1 1/2", 150#, RF, OUTER RING CS & INNER RING SS, 4.5MM THICK, ASME B16.20 - прокладка	SPIRAL WOUND GASKET 1 1/2" RATING: 150# OUTER/ INNER RING: SS316 GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20	Pce	20,00	
130	040.009.05036	SPIRAL WOUND GASKET 2" 4.5MM THK, 150# RF SS316 - прокладка	SPIRAL WOUND GASKET 2" RATING: 150# OUTER/ INNER RING: SS316 GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20	Pce	20,00	
131	040.009.05013	Spiral Wound Gasket 6" 150#, RF, Outer & Inner Ring - SS, 4.5mm thick, ASME B16.20 - Vòng đệm làm kín/ Прокладка	SPIRAL WOUND GASKET 6" RATING: 150# OUTER/ INNER RING: SS316 GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20	Pce	10,00	
132	040.009.04617	Spiral Wound Gasket 2"-300 #; RF; SS316 Graphite Filler; Outer Ring SS316 & Inner Ring SS 316; 4.5mm Thk; ASME B16.20 - Vòng đệm làm kín - Прокладка спиральной набавки	SPIRAL WOUND GASKET 2" RATING: 300# OUTER RING: SS316 INNER RING: SS316 GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20	Pce	40,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
133	040.009.04619	Spiral Wound Gasket 3"-300 #; RF; SS316 Graphite Filler; Outer Ring SS316 & Inner Ring SS 316; 4.5mm Thk; ASME B16.20 - Vòng đệm làm kín - Прокладка спиральной набавки	SPIRAL WOUND GASKET 3" RATING: 300# OUTER/ INNER RING: SS316 GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20	Pce	20,00	
134	040.009.04971	SPIRAL WOUND GASKET 6" , 4.5MM THK 300# RF SS316 ASME B16.20 - Прокладка	SPIRAL WOUND GASKET 6" RATING: 300# OUTER RING: SS316 INNER RING: SS316 GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20	Pce	40,00	
135	040.009.04503	SPIRAL WOUND GASKET 8" , 4.5MM THK 300# RF SS316 ASME B16.20 - Vòng đệm làm kín/ Прокладка	SPIRAL WOUND GASKET 8" RATING: 300# OUTER RING: SS316 INNER RING: SS316 GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20	Pce	30,00	
136	040.009.03855	Spiral Wound Gasket, 600#, RF, Outer Ring CS & Inner Ring SS316, 4.5mm thick, ASME B16.20, 2" - Gioăng làm kín/ Спирально-навитая прокладка,	SPIRAL WOUND GASKET 2" RATING: 600# OUTER/ INNER RING: SS316 GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20	Pce	10,00	
137	040.006.03678	Barred Tee 8" x 8" (ID:193.6 mm) BW, 12.7MM Thickness, ID:193.6 MM, ASTM A860-WPHY60, ASME B16.9 and ASME B31.3 - Тройник	BARRED TEE 8" x 8" ID 193.6 MM ASME B16.9, ASME B31.3 MATERIAL GRADE: ASTM A860 GRADE WPHY60 DIMENSION: 8" x 8", SCHEDULE S-80 X S-80	Pce	1,00	
138	040.006.00040	Reducing Barred Tee 12" x 8", BW, ID: 292.1 mm x S-80, ASTM A860-WPHY60	REDUCING BARRED TEE 12" x 8" ASME B16.9, ASME B31.3 MATERIAL GRADE: ASTM A860 GRADE WPHY60 DIMENSION: 12" x 8", SCHEDULE: 15.9mm X S-80	Pce	6,00	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)
139	040.004.04111	Hammer union 3/4" SHU-0004, 6000 psig (Include 3/4" S-XXS BW Female Sub & Wing cap) ANSI 4130. - Переводник	HAMMER UNION 3/4" 6000 PSI SHU BEVEL END IN BOTH SUBS (MALE & FEMALE) ENDS, INTEGRAL WING NUT, REPLACEABLE LIP-TYPE SEAL RING AND WING CAP FOR TEMPORARY CLOSE.	Pce	2,00	
140	039.012.00499	FLEXIBLE HOSE 2" 150# - Подключение Шланга	FLEXIBLE HOSE WITH FLANGED ENDS 2' 150# FLANGE ASTM A182-F316L HOSE LENGTH: 16M	Pce	1,00	
141	037.016.00622	Channel C150x75x9, ASTM A36 - Thép chữ U/ Швеллер	CHANNEL C 150 x 75 x 9 STANDARD SPECIFICATION: ASTM A36 6 METERS PER LENGTH	Kg	4.896,00	
142	037.018.16294	Section, Angle, Equal, Carbon Steel, 75 x 75 x 9 mm - Thép góc/ Уголок	Section, Angle, Equal, Carbon Steel, ASTM A36, 75 x 75 x 9 mm (6 m per length), Weight 9,96kg/m.	Kg	1.613,52	
143	037.021.02012	Plate, Carbon Steel, 10 mm - Thép tấm/ Сталь листовая	Vật liệu/ Material: ASTM A36, Kích thước/ Dimension: 10 mm x 1500 mm x 6000 mm/ pce	Kg	2.119,50	
144	038.011.06030	Оцинкованная труба/Galvanized pipe Ø42, 2x 3,6; Carbon Steel, API 5L, Gr.B - Galvanized. Carbon Steel, API 5L, Gr.B or equivalent (3,43kg/m & 6m per length)	GALVANIZED SEAMLESS PIPE Ø42,2 STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL 1 Gr. B SCHEDULE: 40 DIMENSION: API 5L / ASME B36.10M 6 METERS PER LENGTH	Kg	244,08	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
145	037.024.01049	Steel Bar Φ50mm, ASTM A36 or Equivalent - Сталь круглая	ROUND BAR Ø50 STANDARD SPECIFICATION: ASTM A36 6 METERS PER LENGTH	Kg	92,46	
146	037.021.03879	Thép tấm/Сталь листовая/Plate 10Thk. ASTM A516 GR. 70	STEEL PLATE 10 MM THK STANDARD SPECIFICATION: ASTM A516 Gr 70 9 M2 PER PLATE	Kg	652,50	
147	037.021.01162	Plate, Carbon Steel, 8 mm - Сталь листовая	Vật liệu/ Material: ASTM A36, Kích thước/ Dimension: 8 mm x 1500 mm x 6000 mm/ pce	Kg	5.661,00	
148	061.008.01306	U-bolts for pipe 1.1/2" - Хомуты	M10 (ø3/8"), U-bolts guide (PS-06) for pipe 1 1/2" - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 95°C: Weight Load on the I-rod at each Pipe Support : 550kg	Set	10,00	
149	061.008.01261	U-bolts for pipe 2" - Хомуты	M10 (ø3/8"), U-bolts guide (PS-06) for pipe 2" - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs);	Set	40,00	

STT П/п	Mã Vật Tư Код МТР	Tên VTTB/dịch vụ (Việt/Nga hoặc Anh) Наименование МТР/услуг (вьетнам./русс. или англ.)	Đặc Tính Kỹ Thuật Технические характеристики	ĐVT Ед. Изм.	Số Lượng Кол-во	Ghi Chú Примечание
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			- 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: Weight Load on the I-rod at each Pipe Support : 550kg			
150	061.008.01307	U-bolts for pipe 3" - Хомут	M14 (ø1/2"), U-bolts guide (PS-06) for pipe 3" - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: Weight Load on the I-rod at each Pipe Support : 1025kg	Set	38,00	
151	061.008.01230	U-bolts for pipe 4" - Хомут/ Đai kẹp ống	M14 (ø1/2"), U-bolts guide (PS-06) for pipe 4" - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, - 04 nuts ASTM A36, hot-dip galvanized; - 3mm thk. plated steel washer, hot-dip galvanized, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: Weight Load on the I-rod at each Pipe Support : 1025kg	Set	130,00	
152	061.008.01231	U-bolts for pipe 6" - Хомут/ Đai kẹp ống	M14 (ø1/2"), U-bolts guide (PS-06) for pipe 6" - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE	Set	100,00	

STT П/п	Mã Vật Tư Код МТР	Tên VTTB/dịch vụ (Việt/Nga hoặc Anh) Наименование МТР/услуг (вьетнам./русс. или англ.)	Đặc Tính Kỹ Thuật Технические характеристики	ĐVT Ед. Изм.	Số Lượng Кол-во	Ghi Chú Примечание
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: Weight Load on the I-rod at each Pipe Support : 1640kg			
153	061.008.01232	U-bolts for pipe 8" - Хомут/ Đai kẹp ống	M16 (ø5/8"), U-bolts guide (PS-06) for pipe 8" - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: Weight Load on the I-rod at each Pipe Support : 1640kg	Set	50,00	
154	061.008.01270	U-bolts for pipe 12" - Хомут	M24 (ø7/8"), U-bolts guide (PS-06) for pipe 12" - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 19 mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: Weight Load on the I-rod at each Pipe Support : 3420kg	Set	100,00	



STT П/п	Mã Vật Tư Код МТР	Tên VTTB/dịch vụ (Việt/Nga hoặc Anh) Наименование МТР/услуг (вьетнам./русс. или англ.)	Đặc Tính Kỹ Thuật Технические характеристики	ĐVT Ед. Изм.	Số Lượng Кол-во	Ghi Chú Примечание
(1)	(2)	(3)	(4)	(5)	(6)	(7)
155	041.001.00072	Rockwool wiremesh blanket 50mm thk x 600mm x 5m roll -- Одежда из минеральной ваты	ROCKWOOL INSULATION BLANKET 50 MM THICKNESS WITH GALVANIZED MESH ON ONE SIDE, 600 MM WIDE ROLL, LENGTH 3M±5M: - MINIMUM DENSITY 100 ÷ 150 KG/M3 - THERMAL CONDUCTIVITY 0.06 W/M°K AT 200°C - TEMPERATURE LIMIT -15°C ÷ 750°C	M2	50,00	
156	037.006.00286	Stainless steel sheet, thk. 0.5 mm (WxL=1200x Roll), SS316L - Лист из нержавеющей стали - Thép tấm không gỉ/ Лист из нержавеющей стали	STAINLESS STEEL SHEET: SUS 316L SS MATERIAL, 0.5MM THICKNESS, WIDE 1200MM, LENGTH 3M±5M	M2	70,00	
157	037.002.00253	Tie wire SUS 316 SS soft annealed material, ø1.6 mm size - Dây thép/ Канат стальной	TIE WIRE SUS 316 SS SOFT ANNEALED MATERIAL, Ø1.6 MM SIZE, WEIGHT 3KG ÷ 5KG	Kg	5,00	
158	061.006.00590	Self Tapping Screw : SUS 316 SS material, No. 8x13 mm long size, Slotted pan head type - Винты	SELF TAPPING SCREW : SUS 316 SS MATERIAL, NO. 8X13 MM LONG SIZE, SLOTTED PAN HEAD TYPE, 500 PCE/ PACK	Pce	1.000,00	
159	037.006.00308	BANDING: SUS 316 SS MATERIAL, 12MM WIDE X 0.5MM THICKNESS - полоса из сталей	BANDING: SUS 316 SS MATERIAL, 12MM WIDE X 0.5MM THICKNESS, 10KG/ ROLL	Kg	20,00	
160	061.008.01364	Banding Bucke 12mm, type L clip, SUS 304/SUS 316 - Обвязочная скоба	Banding Bucke 12mm, type L clip, SUS 304/SUS 316	Pce	300,00	



STT П/п	Mã Vật Tư Код МТР	Tên VTTB/dịch vụ (Việt/Nga hoặc Anh) Наименование МТР/услуг (вьетнам./русс. или англ.)	Đặc Tính Kỹ Thuật Технические характеристики	ĐVT Ед. Изм.	Số Lượng Кол-во	Ghi Chú Примечание
(1)	(2)	(3)	(4)	(5)	(6)	(7)
161	041.014.00246	Silicone Sealant Apolo A600 or equal - Клей помышленный	Silicone Sealant Apolo A600 or equal	Kg	6,00	
162	061.008.01125	Removable Toggle Clip/Catch Buckle Locker, 316 SS material - Пряжка шкафчик	Removable Toggle Clip/Catch Buckle Locker, 316 SS material	Set	20,00	

(*) : New items



TECHNICAL REQUIREMENTS

Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan

1. PURPOSE AND SCOPE OF USE

1.1. Purposes:

Piping materials, valves for fabricating and connecting Pig launcher/receiver Skid for pigging operation in 2026.

1.2. Environment conditions:

Using on offshore-platforms belonging to OGPE - Vietsovpetro

2. GENERAL REQUIREMENTS FOR GOODS

2.1 Scope of supply:

– Bidder is requested to quote full quantity for each goods and full goods of each group or all groups according to list of goods “ДАНН МУС-СПЕЦИФИКАЦИЯ” of the bidding documents

– In the bidding proposal, the name of the goods, offering characteristics, manufacturer’s name and origin must be clearly stated for each item of the goods.

2.2. Year of manufacture of the goods:

100% new, unused, manufactured not before 2025.

2.3. Warranty:

Must confirm the product warranty within 12 months from the date of signing the delivery and receipt of goods.

2.4. Goods will be evaluated in group:

Group 1	Item 1 ÷ Item 8 (PIPE)
Group 2	Item 9 ÷ Item 97 (FITTING, FLANGE)
Group 3	Item 98 ÷ Item 111 (MANUAL VALVE)
Group 4	Item 112, 113 (CHOKE VALVE, PSV)
Group 5	Item 114, 115 (SHUTDOWN VALVE)
Group 6	Item 116 ÷ Item 136 (STUDBOLTS, GASKET)
Group 7	Item 137 ÷ Item 140 (SPECIAL)
Group 8	Item 141 ÷ Item 147 (STEEL)
Group 9	Item 148 ÷ Item 154 (U-BOLT)
Group 10	Item 155 ÷ Item 162 (INSULATION)

3. TECHNICAL REQUIREMENTS FOR GOODS:



In case of any inconsistency between the list of goods “**DANH MỤC - SPECIFICATION**” and the Technical Requirements, the Technical Requirements shall take precedence.

Technical characteristics, materials, design standards, inspection standards according to the “Detailed table of technical requirements” - Appendix No. 1.

4. TIME AND LOCATION OF DELIVERY

4.1. Delivery times:

No more than **90** calendar days from the date of signing contracts for Group 1, 2, 6, 8, 9, 10.

No more than **120** calendar days from the date of signing contracts for Group 3, 4, 5, 7.

4.2. Number of deliveries:

01 time for each group, maximum 2 times for the contract.

4.3. Delivery address:

Delivery to VSP’s warehouse, 67 street 30/4, ward Rach Dua, Ho Chi Minh city.

5. QUANTITY AND PACKAGING OF GOODS

5.1. Quantity:

Supplying quantity meets the quantity in “**DANH MỤC-SPECIFICATION**” of the bidding documents.

5.2. Packaging of goods:

Goods are packed according to the manufacturer's standards and are suitable for transportation and storage.

6. MANUFACTURER AND ORIGIN OF GOODS

Prioritize goods originating from groups of countries and territories G7, EU, Russia.

The manufacturer of goods Group 1, 3, 4, 5 shall be included in the “VSP’s Manufacturers List”.

VSP’s Manufacturers List for Group 1, 3, 4, 5:

Group №	Items	Manufacturers	Remark/
1.	PIPE	<ul style="list-style-type: none"> • V & M • NSSMC • Bentler • Tenaris • Turbos • EEW • SeAH • Dongyang • Nippon Steel • Van Leeuwen • JFE Steel • Tubacex • G. Fiori • JFE Steel Corp • Kawasaki • Mitsui 	



		<ul style="list-style-type: none"> • Soon Supply • Sumitomo 	
3; 4 (item 112)	VALVE	<ul style="list-style-type: none"> • SRI • Invalves • Valland • Topvalve • ICL • Keysung Metal • Alco • Erreesse • Bel Valve • Visvana • SAMI (WIKA) • Invalves FLV • S&W • Zaverro • Broady • Keysung Metal • Hanyang • DongKang Metal Valve • Technical SRL • Hawk Valve • Flowserve • DHV • Velan • Fisher • Starline • Ringo • Leser • Efsvalves • In Line Valve (ILV) • CVS valves • Samsung Precision • Valvulas Fevisa • Dotec • JVS • Valve Engineering Services (VES) • General Valve 	
4 (item 113)	PSV	<ul style="list-style-type: none"> • Farris Safety • Crosby • Leser • Safety system • Motoyama • Technical srl Valves 	



5	SDV	<ul style="list-style-type: none"> • Bettis (Emerson) • Flowserve • Bifold • Rotork • Ledeen-Schlumberger • HKC 	
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In case the manufacturer of goods Group 1, 3, 4, 5 is not included in the “VSP’s Manufacturers List”, additional information on the manufacturer’s capability shall be provided, such as catalogue, company profile, documents evidencing previous Similar Contracts. The Bidder shall have performed Similar Contracts as a main contractor (independent or member of joint venture) or as a subcontractor, with the requirements for Similar Contracts as follows:

No	Content	Procurement of Goods
1	Nature of Similar Contract	For Group 1: Supply of Piping (for Process & Utility system). For Group 3, 4 (item 105): Supply of Manual pipeline valves. For Group 4 (item 106): Supply of Pressure safety valve. For Group 5: Supply of Automatic valve on/off (SDV/BDV).
2	Period of Similar Contract	Within the last 5 years prior to the deadline for submission of bids.
3	Quantity	At least 01 Similar Contract.

7. TECHNICAL DOCUMENTATION REQUIREMENTS

7.1. Technical documentation requirements at the tender stage

Technical bidding documents require the provision of sufficient technical documents to prove that the goods supplied by the bidder meet the technical requirements in Section 3 of this technical requirement.

- Bidding table showing full name, offer specifications, manufacturer, origin, quantity of goods.
- Catalogs or manufacturer's documents that fully detail the characteristics of each item.
- The manufacturer's technical documents provided in the bid must include the name and logo, and provide a link to the product's website.
- The manufacturer's technical documents provided in the bid must be in Vietnamese or English or Russian.
- Fully filled Datasheet according to the VSP’s Datasheet form stamped and signed by manufacturer for Group 3, 4, 5, 7. (Detailed for each item).



- Equipment General Arrangement drawing (dimension of equipment) for Group 3, 4, 5; item 139, 140 group 7.
- For item 137, 138 Group 7: Providing technical documents, datasheets and calculations proving that the goods comply with VSP's datasheet requirements.
- For Group 1: Copy of valid corresponding Monogram API 5L certificate.
- For Group 3, 5 (except item 110, 111): Copy of valid certificate Monogram API 6D, issued by the API to Manufacturer.
- Sizing sheet of choke valve (Item 112) from manufacturer showing goods conform to VSP provided datasheet, i.e. bidders show working parameters of the valves in different cases of downstream pressure from 0 upto 40 bar when upstream pressure is 220 bar.
- Sizing sheet of PSV (Item 113) from manufacturer showing goods conform to datasheet requirements stamped and signed by manufacturer.
- For Item 112 Group 4: Copy of valid certificate Monogram API 6A, issued by the API to Manufacturer.
- For Item 113 Group 4: Copy of valid ASME VIII certificate with the ASME Certification Mark to confirm the good is manufactured in accordance with design code.
- For group 3, 5 and item 112 group 4: Providing sample Fire-safe test certificate for a representative specimen of the design/product series, tested in accordance with API 607 / API 6FA / BS 6755 Part 2, applicable to the type of goods being offered.

7.2. Requirements for technical documentation upon delivery

- Detailed technical drawings for Group 3, 4, 5.
- Manual operation for Group 5.

8. REQUIREMENTS FOR CERTIFICATES OF THE GOODS

The Bidder is required to commit to providing final certificates with goods:

8.1. Certificate of Origin (CO): Issued by the competent authority of the country of the manufacturer or the exporting country.

- Original or eCO with link for authentication for goods using VSP's Quota.
- Original or eCO with link for authentication or copy certified, stamped by the importer for goods not using VSP's Quota.

8.2. Certificate of Quality (CQ/CoC): Issued by the manufacturer: Original or eCQ with link for authentication or a copy certified, stamped by the importer, which contains full information on the manufacturing date of the goods.

8.3. For Group 3 (except item 111), Group 5: Hydrostatic testing and leak test certificate according to API 598 / API 6D standard issued by the manufacturer: Original / Copy with the importer's stamp.

8.4. For item 112 Group 4: Hydrostatic testing and leak test certificate according to API 6A standard issued by the manufacturer: Original / Copy with the importer's stamp.

8.5. For item 113 Group 4: Testing certificate according to API 527 standard issued by the manufacturer: Original / Copy with the importer's stamp.

8.6. Mill test certificate according to EN10204 type 3.1 for all items of Group 1, 2, 3, 4, 5, 7 (except item 140), 8. For item 140 group 7 - Mill test certificate according to EN10204



type 3.1 (flange), type 2.1 (rubber hose, seal, adapter). Issued by the manufacturer: Original / Copy with the importer's stamp

8.7. For Group 5: Factory Acceptance Test Certificate (FAT) issued by the manufacturer/integrator.

8.8. Warranty certificate from the supplier: Original.

9. METHOD FOR EVALUATING TECHNICAL:

Technical proposal will be evaluated in group in accordance with the Technical evaluation criteria table.

10. APPENDIX

Appendix No. 1 - "Detailed table of technical requirements"



DETAILED TABLE OF TECHNICAL REQUIREMENTS
ПОДРОБНОЙ ТАБЛИЦЕ ТЕХНИЧЕСКИХ ТРЕБОВАНИЙ

No. П.п	Name Наименование МТР	Specification Технические характеристики	Remark Примечание
Group 1			
1	Pipe 2", S-80, BE, API 5L Gr.X60, ASME B36.10, Smls., 6m per length	SEAMLESS PIPE 2" STANDARD SPECIFICATION: API 5L PSL 2 MATERIAL GRADE: API 5L PSL 2 Gr. X60 OR EQUIVALENT SCHEDULE: 80 DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	
2	Seamless pipe 4" Sch 40 BE API 5L, Gr. B, 6 m per length	SEAMLESS PIPE 4" STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL 1 Gr. B OR EQUIVALENT SCHEDULE: 40 DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	
3	Seamless pipe 4" Sch 160 BE API 5L, Gr. X60, 6 m per length	SEAMLESS PIPE 4" STANDARD SPECIFICATION: API 5L PSL 2 MATERIAL GRADE: API 5L PSL 2 Gr. X60 OR EQUIVALENT SCHEDULE: 160 DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	
4	Seamless pipe 4" Sch XXS BE API 5L, Gr. B, 6 m per length - Стальная труба	SEAMLESS PIPE 4" STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL 1 Gr. B OR EQUIVALENT SCHEDULE: XXS DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	

5	Seamless pipe 6" Sch 40 BE API 5L, Gr. B, 6 m per length - Стальная труба	SEAMLESS PIPE 6" STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL1 Gr. B OR EQUIVALENT SCHEDULE: 40 DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	
6	Seamless pipe 6" Sch 80 BE API 5L, Gr. B, 6 m per length	SEAMLESS PIPE 6" STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL1 Gr B OR EQUIVALENT SCHEDULE: 80 DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	
7	PIPE 8", OD: 219mm, Wall thickness 12,7mm, SEAMLESS, BE, API 5L Gr.X60, ASME B36.10M (6M PER LENGTH)	SEAMLESS PIPE 8" STANDARD SPECIFICATION: API 5L PSL 2 MATERIAL GRADE: API 5L PSL2 Gr. X60 OR EQUIVALENT WALL THICKNESS 12.7 MM DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	
8	Seamless pipe 8" Sch 160 API 5L, Gr. X60, 6 m per length - Ống thép/ Труба	SEAMLESS PIPE 8" STANDARD SPECIFICATION: API 5L PSL 2 MATERIAL GRADE: API 5L PSL2 Gr. X60 OR EQUIVALENT SCHEDULE: 160 DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	
Group 2			
9	Concentric Reducer 2 x 3/4", BW, S-160 x S-160, ASTM A234-WPB, ASME B16.9	SEAMLESS BUTT WELD CONCENTRIC REDUCER 2" x 3/4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 160	
10	CONCENTRIC REDUCER 3"x2", SCH 80 BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD CONCENTRIC REDUCER 3" x 2" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	



11	Concentric Reducer 6" x 4" Sch 80, ASTM A234 WPB, BW, SMSL, ASME B16.9	SEAMLESS BUTT WELD CONCENTRIC REDUCER 6" x 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	
12	Concentric Reducer 8"x6" Sch40 BW ASTM A234 WPB, ASME B16.9	SEAMLESS BUTT WELD CONCENTRIC REDUCER 8" x 6" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 40	
13	Concentric Reducer 8" x 6" , BW, S-80, ASTM A234-WPB, ASME B16.9	SEAMLESS BUTT WELD CONCENTRIC REDUCER 8" x 6" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	
14	Concentric reducer 12" x 8" Sch 80 BW ASTM A234 Gr.WPB, ASME B16.9	SEAMLESS BUTT WELD CONCENTRIC REDUCER 12" x 8" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	
15	Eccentric Reducer 12"x 8"(324mm x 219mm), BW, 12,7mm thickness, ASTM A234 GR WPB, ASME B16.9	SEAMLESS BUTT WELD ECCENTRIC REDUCER 12" x 8" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT THICKNESS: 12,7MM	
16	Eccentric Reducer 16" x 12" (406mm x 324mm), BW, 16mm thickness, ASTM A234 GR WPB, ASME B16.9	SEAMLESS BUTT WELD ECCENTRIC REDUCER 16" x 12" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT WALL THICKNESS 16 MM	



17	Elbow 3/4" 90Deg, SW, 6000#, ASTM A105N, ASME B16.11	SEAMLESS SOCKET WELD ELBOW 3/4" 90 DEG STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: ASME B16.11 OR EQUIVALENT RATING: 6000#	
18	ELBOW, PIPE, CARBON STEEL, ASTM A234, WPB, ASME B16.9, 90 DEG, LONG, BUTTWELD, SCH XXS, 3/4 INCH	SEAMLESS BUTT WELD ELBOW 3/4" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9, LONG RADIUS SCHEDULE: XXS	
19	Seamless Elbow 1 1/2"-6000# SW, 90 Deg, ASTM A182-F316, ASME B16.11	SEAMLESS BUTT WELD ELBOW 1 1/2" 90 DEG STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: ASTM A182 GRADE F316 OR EQUIVALENT DIMENSION: ASME B16.11 OR EQUIVALENT RATING: 6000#	
20	ELBOW 2", 90 SCH 80 LR BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD ELBOW 2" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 80	
21	Elbow 2" 90o Sch80 ASTM A860 Gr. WPHY 60	SEAMLESS BUTT WELD ELBOW 2" 90 DEG STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 80	
22	ELBOW 3", 90 SCH 80 LR BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD ELBOW 3" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 80	



23	ELBOW 4", 90 SCH 40 LR BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD ELBOW 4" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 40	
24	Seamless elbow 4" Sch 80 Deg. 90, LR, BW, A234 Gr. WPB, ASME B16.9 - Đầu nối cong	SEAMLESS BUTT WELD ELBOW 4" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 80	
25	Seamless elbow 4" Sch 160 Deg. 90, LR, BW, A860 Gr. WPHY60, ASME B16.9	SEAMLESS BUTT WELD ELBOW 4" 90 DEG STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 160	
26	Seamless Elbow 4" 90 Deg. LR, Sch XXS, BW, ASTM A234 WPB, ASME B16.9	SEAMLESS BUTT WELD ELBOW 4" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: XXS	
27	ELBOW 6", 90 SCH 40 LR BW ASTM A234 GR WPB ASME B16.9- Đầu nối cong - Отводы	SEAMLESS BUTT WELD ELBOW 6" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 40	
28	ELBOW 6", 90 SCH 80 LR BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD ELBOW 6" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 80	



29	ELBOW, PIPE, CARBON STEEL, ASTM A234, WPB, ASME B16.9, 90 DEG, LONG, BUTTWELD, SCH 80, 8 INCH	SEAMLESS BUTT WELD ELBOW 8" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 80	
30	ELBOW 8" LR 90DEG, 12,7mm Thickness, OD: 219mm, ASME B16.9, ASTM A860-WPHY60, ASTM B16.9 - Отводы	SEAMLESS BUTT WELD ELBOW 8" 90 DEG STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS WALL THICKNESS 12.7 MM	
31	Seamless elbow 8" Sch 160 Deg. 90, LR, BW, A860 Gr. WPHY60, ASME B16.9	SEAMLESS BUTT WELD ELBOW 8" 90 DEG STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 160	
32	Seamless Elbow 12" 90 Deg. LR, Sch 40, BW, ASTM A234 WPB, ASME B16.9	SEAMLESS BUTT WELD ELBOW 12" 90 DEG STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS SCHEDULE: 40	
33	ELBOW 12" LR 90DEG, 15,9mm Thickness, OD: 324mm, ASME B16.9, ASTM A860-WPHY60, ASTM B16.9	SEAMLESS BUTT WELD ELBOW 12" 90 DEG STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT, LONG RADIUS WALL THICKNESS 15.9 MM	
34	Nipple 3/4" S160 PE x PE, L=100mm, ASTM A106 Gr. B	NIPPLE 3/4" PE X PE STANDARD SPECIFICATION: ASTM A106 MATERIAL GRADE: ASTM A106 Gr. B OR EQUIVALENT SCHEDULE: 160 DIMENSION: API 5L / ASME B36.10 OR EQUIVALENT 100MM PER LENGTH	



35	Nipple 3/4 in, PEXPE, S-XXS, 100 mm, ASTM A106-B, ASME B36.10, Smls., -Đầu nối thẳng ống thép/ ниппель	NIPPLE 3/4" PE X PE STANDARD SPECIFICATION: ASTM A106 MATERIAL GRADE: ASTM A106 Gr. B OR EQUIVALENT SCHEDULE: XXS DIMENSION: API 5L / ASME B36.10 OR EQUIVALENT 100MM PER LENGTH	
36	Ống nối/Ниппель 1 1/2 in, Nipple, PEXPE, S-160, 100 mm, ASTM A106-B, ASME B36.10, Smls., piping class: BC1	NIPPLE 1 1/2" PE X PE STANDARD SPECIFICATION: ASTM A106 MATERIAL GRADE: ASTM A106 Gr. B OR EQUIVALENT SCHEDULE: 160 DIMENSION: API 5L / ASME B36.10 OR EQUIVALENT 100MM PER LENGTH	
37	Đầu bịt đực - Plug 1/2", NPTM, 6000#, A182-F316, ASME B16.11/Заглушка	PLUG 1/2" NPTM STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: ASTM A182 GRADE F316 OR EQUIVALENT DIMENSION: ASME B16.11 OR EQUIVALENT RATING: 6000#	
38	Plug, NPTM, 6000#, ASTM A105N, ASME B16.11, Smls, 3/4" - Nắp bịt ren/ ЗАГЛУШКА - Пробка	PLUG 3/4" NPTM STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: ASME B16.11 OR EQUIVALENT RATING: 6000#	
39	3/4" x 1/2" REDUCING HEX NIPPLE 6000# NPTM ASTM A312-TP316/316L	REDUCING HEX NIPPLE 3/4" X 1/2" STANDARD SPECIFICATION: ASTM A312 MATERIAL GRADE: ASTM A312 GRADE TP316/316L OR EQUIVALENT DIMENSION: ASME B16.11 OR EQUIVALENT RATING: 6000#	
40	SOCKOLET, 2" x 1/2" 3000#, ASTM A182 GR.F316/316L, ANSI B16.11	SOCKOLET 2" x 1/2" STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: ASTM A312 GRADE TP316/316L OR EQUIVALENT DIMENSION: ASME B16.11 OR EQUIVALENT RATING: 3000#	
41	Sockolet 8"x1/2"; 6000#; SW; ASTM A105N	SOCKOLET 8" x 1/2" STANDARD SPECIFICATION: ASTM A105N, OR EQUIVALENT DIMENSION: MSS SP-97 OR EQUIVALENT RATING: 6000#	

42	Socket SW, 6" x 3/4"; 6000#; ASTM A105N; MSS SP-97	SOCKOLET 6" x 3/4" STANDARD SPECIFICATION: ASTM A105N, OR EQUIVALENT DIMENSION: MSS SP-97 OR EQUIVALENT RATING: 6000#	
43	Socket 8"x3/4" 6000# SW ASTM A694 F60	SOCKOLET 8" x 3/4" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: ASTM A694 GRADE F60 OR EQUIVALENT DIMENSION: MSS SP-97 OR EQUIVALENT RATING: 6000#	
44	Socket 12"x3/4"; 6000#; ASTM A105N; MSS SP-97	SOCKOLET 12" x 3/4" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: MSS SP-97 OR EQUIVALENT RATING: 6000#	
45	Socket 8" x 1 1/2" , 6000#, ASTM A105N, MSS SP-97	SOCKOLET 8" x 1 1/2" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: MSS SP-97 OR EQUIVALENT RATING: 6000#	
46	REDUCING TEE 3"x2", SCH 80 BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD REDUCING TEE 3" x 2" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: S-80	
47	REDUCING TEE 4"x3", BW ENDS SCH80, ASME B16.9, ASTM A234-WPB	SEAMLESS BUTT WELD REDUCING TEE 4" x 3" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: S-80	
48	Tee Reducing 6" x 3" , BW, S-40 x S-80, ASTM A234-WPB, ASME B16.9	SEAMLESS BUTT WELD REDUCING TEE 6" x 3" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: S-40 X S-80	



49	REDUCING TEE 6"x4" SCH 80 BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD REDUCING TEE 6" x 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	
50	REDUCING TEE 8"x4", SCH 40 BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD REDUCING TEE 8" x 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 40	
51	Tee Reducing 8"x 4", BW, S-160 x S-160, ASTM A860-WPHY60, ASME B16.9	SEAMLESS BUTT WELD REDUCING TEE 8" x 4" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 160	
52	REDUCING TEE 8"x6", SCH 40 BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD REDUCING TEE 8" x 6" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 40	
53	Reducing Tee 12" x 8" sch 80, BW, SMSL, ASTM A234 WPB, ASME B16.9	SEAMLESS BUTT WELD REDUCING TEE 12" x 8" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	
54	EQUIVALENT TEE 2", SCH 80 BW ASTM A234 GR WPB ASME B16.9	SEAMLESS BUTT WELD EQUIVALENT TEE 2" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	



55	Tee 4" , BW, S-80, ASTM A234 WPB, ASME B16.9 - Тройник	SEAMLESS BUTT WELD EQUIVALENT TEE 4" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	
56	Tee 4" , BW, S-160, ASTM A860- WPHY60, ASME B16.9 - Тройник	SEAMLESS BUTT WELD EQUIVALENT TEE 4" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 160	
57	Tee 6" , BW, S-40, ASTM A234-WPB, ASME B16.9 - Тройник	SEAMLESS BUTT WELD EQUIVALENT TEE 6" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 40	
58	Tee 6" , BW, S-40, ASTM A860-WPHY60, ASME B16.9 - Тройник	SEAMLESS BUTT WELD EQUIVALENT TEE 6" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 40	
59	Tee 8 in, BW, S-40, ASTM A234-WPB, ASME B16.9	SEAMLESS BUTT WELD EQUIVALENT TEE 8" STANDARD SPECIFICATION: ASTM A234 MATERIAL GRADE: ASTM A234 GRADE WPB OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 40	
60	Tee 8" , BW, S-160, ASTM A860-WPHY60, ASME B16.9 - Тройник	SEAMLESS BUTT WELD EQUIVALENT TEE 8" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 160	



61	Cap 8", BW, S-160, ASTM A860-WPHY60, ASME B16.9 - Nắp bịt/ Заглушка	BUTT WELD CAP 8" STANDARD SPECIFICATION: ASTM A860 MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 160	
62	WELDOLET 3/4", SCH XXS BW ASTM A105N ASME B16.9 - Седловина	BUTT WELD WELDOLET 3/4" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: XXS	
63	Weldolet 6"x 2", BW, 14.3 mm x S-160, ASTM A694 Gr.F60, MSS SP-97	BUTT WELD WELDOLET 6" x 2" MSS SP-97 OR EQUIVALENT MATERIAL GRADE: ASTM A694 GRADE F60 OR EQUIVALENT SCHEDULE: 14.3MM THK. X S-160	
64	Weldolet 8"x 2" Sch80 BW ASTM A105N	BUTT WELD WELDOLET 8" x 2" MSS SP-97 OR EQUIVALENT STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: 80	
65	Weldolet 12"x2" - Sch80 x Sch160 BW ASTM A105N, ASME B16.9	BUTT WELD WELDOLET 12" x 2" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: ASME B16.9 OR EQUIVALENT SCHEDULE: S-80 X S-160	
66	Weldolet 10"x 2", BW, 15.9 mm x S-80, ASTM A694 Gr.F60, MSS SP-97	BUTT WELD WELDOLET 10" x 2" MSS SP-97 OR EQUIVALENT MATERIAL GRADE: ASTM A694 GRADE F60 OR EQUIVALENT SCHEDULE: 15.9MM THK. X S-80	
67	Weldolet, 8" x 1 1/2" BW, S-80 x S-160, ASTM A105N, MSS SP-97	BUTT WELD WELDOLET 8" x 1 1/2" MSS SP-97 OR EQUIVALENT STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT SCHEDULE: S-80 X S-160	
68	Blind Flange 12", 300#, RF, ASTM A105N, ASME B16.5 Фланцы	BLIND FLANGE 12" RAISED FACE MATERIAL SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 300# DIMENSION: ASME B16.5	



69	Blind Flange 1.1/2"-150# with hole 1/2" SW, RF, ASTM A182-F316/316L, ASME B16.5	BLIND FLANGE 1 1/2" WITH HOLE 1/2" SW RAISED FACE STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: A182 GR F316 OR EQUIVALENT RATING: 150# DIMENSION: ASME B16.5 OR EQUIVALENT	
70	Blind Flange 2", 300#, RF, ASTM A105N, ASME B16.5 - Фланцы	BLIND FLANGE 2" RAISED FACE STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 300# DIMENSION: ASME B16.5 OR EQUIVALENT	
71	2 in Blind Flange with hole 3/4 in SW, 300#, RF,ASTM A105N, ASME B16.5	BLIND FLANGE 2" WITH HOLE 3/4" SW RAISED FACE STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 300# DIMENSION: ASME B16.5 OR EQUIVALENT	
72	BLIND FLANGE 1 1/2" 300# RF ASTM A105N ASME B16.5	BLIND FLANGE 1 1/2" RAISED FACE STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 300# DIMENSION: ASME B16.5 OR EQUIVALENT	
73	Blind flange 2" - 600# RF ASME B16.5 ASTM A105N	BLIND FLANGE 2" RAISED FACE STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 600# DIMENSION: ASME B16.5 OR EQUIVALENT	
74	Blind Flange 3" 300# RF Sch 80 ASTM A105N Gr.B ASME 16.5	BLIND FLANGE 3" RAISED FACE STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: ASME B16.5 OR EQUIVALENT RATING: 300#	
75	Blind Flange 16", 300#, RF, ASTM A105N, ASME B16.5	BLIND FLANGE 16" RAISED FACE STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT DIMENSION: ASME B16.5 OR EQUIVALENT RATING: 300#	
76	Flange WN 4", 2500#, RTJ, S-160, ASTM A694 GR.F60, ASME B16.5	WELD NECK RING TYPE JOINT FLANGE 4" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 2500# SCHEDULE: 160 DIMENSION: ASME B16.5 OR EQUIVALENT	



77	FLANGE, PIPE, WELD NECK, CARBON STEEL, ASTM A694, F60, ASME B16.5, RING TYPE JOINT, SMOOTH, CLASS 2500, SCH XXS, 4 INCH - ФЛАНЦЫ 4" CLASS 2500, SCH XXS	WELD NECK RING TYPE JOINT FLANGE 4" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 2500# SCHEDULE: XXS DIMENSION: ASME B16.5 OR EQUIVALENT	
78	Flange WN, 8"-2500#, RTJ, S-160, ASTM A694 Gr.F60, ASME B16.5 - Mặt bích/ Фланец	WELD NECK RING TYPE JOINT FLANGE 8" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 2500# SCHEDULE: 160 DIMENSION: ASME B16.5 OR EQUIVALENT	
79	Flange SW, 1 1/2"-150#, RF, S-80S, ASTM A182-F316, ASME B16.5	SOCKET WELD RAISED FACE FLANGE 1 1/2" STANDARD SPECIFICATION: ASTM A182 MATERIAL GRADE: A182 GR F316 OR EQUIVALENT RATING: 150# SCHEDULE: 80S DIMENSION: ASME B16.5 OR EQUIVALENT	
80	Flange 3"; WN; 150#; RF; S-80; ASTM A105N; ASME B16.5	WELD NECK RAISED FACE FLANGE 3" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 150# SCHEDULE: 80 DIMENSION: ASME B16.5 OR EQUIVALENT	
81	Flange WN, 4"-150#, RF, S-80, ASTM A105N, ASME B16.5	WELD NECK RAISED FACE FLANGE 4" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 150# SCHEDULE: 80 DIMENSION: ASME B16.5 OR EQUIVALENT	
82	Flange 6" WN, 150#, RF, S-40, ASTM A105N, ASME B16.5 Mặt bích/ Фланец	WELD NECK RAISED FACE FLANGE 6" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 150# SCHEDULE: 40 DIMENSION: ASME B16.5 OR EQUIVALENT	
83	Flange WN, 6"-150#, RF, S-80, ASTM A105N, ASME B16.5	WELD NECK RAISED FACE FLANGE 6" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 150# SCHEDULE: 80 DIMENSION: ASME B16.5 OR EQUIVALENT	



84	Flange 1-1/2" SW, 300#, RF, S-160, ASTM A694 Gr.F60, ASME B16.5 - фланцы	SOCKET WELD RAISED FACE FLANGE 1 1/2" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 300# SCHEDULE: 160 DIMENSION: ASME B16.5 OR EQUIVALENT	
85	1 1/2 in, Flange SW, 600#, RF, ASTM A105N, ASME B16.5	SOCKET WELD RAISED FACE FLANGE 1 1/2" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 600# SCHEDULE: 160 DIMENSION: ASME B16.5 OR EQUIVALENT	
86	FLANGE 2", 300# SCH 80 RF WN ASTM A105N ASME B16.5 - Фланцы	WELD NECK RAISED FACE FLANGE 2" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 300# SCHEDULE: 80 DIMENSION: ASME B16.5 OR EQUIVALENT	
87	Flange WN, 2"-300#, RF, S-80, ASTM A694 Gr.F60, ASME B16.5	WELD NECK RAISED FACE FLANGE 2" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 300# SCHEDULE: 80 DIMENSION: ASME B16.5 OR EQUIVALENT	
88	FLANGE 3", 300# SCH 80 RF WN ASTM A105N ASME B16.5 - Фланцы	WELD NECK RAISED FACE FLANGE 3" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 300# SCHEDULE: 80 DIMENSION: ASME B16.5 OR EQUIVALENT	
89	FLANGE 6", 300# SCH 80 RF WN ASTM A105N ASME B16.5 Фланцы	WELD NECK RAISED FACE FLANGE 6" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 300# SCHEDULE: 80 DIMENSION: ASME B16.5 OR EQUIVALENT	
90	Flange WN, 6"-300#, RF, S-40, ASTM A694 Gr.F60, ASME B16.5	WELD NECK RAISED FACE FLANGE 6" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.60 OR EQUIVALENT RATING: 300# SCHEDULE: 40 DIMENSION: ASME B16.5 OR EQUIVALENT	



91	FLANGE 8", 300#,RF,WN, match to pipe 12.7mm thickness, OD: 219 MM, ASTM A694-GR.F60 ASME B16.5	WELD NECK RAISED FACE FLANGE 8" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 300# THICKNESS 12.7 MM DIMENSION: ASME B16.5 OR EQUIVALENT	
92	FLANGE 12", 300#,RF,WN, match to pipe 15.9mm thickness, OD:324 MM, ASTM A694-GR.F60 ASME B16.5 Фланцы	WELD NECK RAISED FACE FLANGE 12" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 300# THICKNESS 15.9 MM DIMENSION: ASME B16.5 OR EQUIVALENT	
93	Flange WN, 600#, RF, S-160, ASTM A105N, ASME B16.5, 2 in	WELD NECK RAISED FACE FLANGE 2" STANDARD SPECIFICATION: ASTM A105N OR EQUIVALENT RATING: 600# SCHEDULE: 160 DIMENSION: ASME B16.5 OR EQUIVALENT	
94	BLIND, IN LINE, SPECTACLE BLIND, CARBON STEEL, ASTM A694, F60, ASME B16.48, RING TYPE JOINT, CLASS 2500, 4 INCH	RING TYPE JOINT SPECTACLE BLIND 4" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 2500# DIMENSION: ASME B16.48 OR EQUIVALENT	
95	6" SPECTACLE BLIND 150#, RF ASTM A516 GR.70 - Mặt bích mù số 8/ заглушка поворотная	RAISED FACE SPECTACLE BLIND 6" STANDARD SPECIFICATION: ASTM A516 MATERIAL GRADE: A516 GR.70 OR EQUIVALENT RATING: 150# DIMENSION: ASME B16.48 OR EQUIVALENT	
96	SPECTACLE BLIND 8", 300# RF ASTM A516 Gr.70 ASME B16.48	RAISED FACE SPECTACLE BLIND 8" STANDARD SPECIFICATION: ASTM A516 MATERIAL GRADE: A516 GR.70 OR EQUIVALENT RATING: 300# DIMENSION: ASME B16.48 OR EQUIVALENT	
97	Line Spacer / Spade 8", 2500#, RTJ, ASTM A694 GR. F60, ASME B16.48 - Фланцы	RAISED FACE SPECTACLE BLIND 8" STANDARD SPECIFICATION: ASTM A694 MATERIAL GRADE: A694 GR.F60 OR EQUIVALENT RATING: 2500# DIMENSION: ASME B16.48 OR EQUIVALENT	



Group 3

<p>98</p>	<p>BALL VALVE 1/2" 800#(3000psig) FB SWxNPTF ASTM A182-F316 ASME B16.34 LEVER OPERATED</p>	<p>BALL VALVE 1/2" FULL BORE RATING: 3000 PSIG OR 800# END CONNECTION: SOCKET WELD X FNPT END (Pupped End (PE) Pup piece of 100mm shall be provided on the socket weld end of the valve. Pup piece material A312 5L Gr TP316, Sch80S) CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A182 F316 OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE OPERATOR: LEVER THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to page VSP-NIPI-TYP-TS-PI1-DS-06 page 5 of 12 for more information) (page 38 of TR)</p>	
<p>99</p>	<p>Ball Valve Full Bore, 3/4"-6000 Psig / 1500#, Pupped PE end x FNPT end, ASTM A105N or EQUIVALENT, ASME B16.34, Floating, Lever Operated, Locking device, Pup piece ASTM A106 Gr.B, Sch160.</p>	<p>BALL VALVE 3/4" FULL BORE RATING: 6000 PSIG OR 1500# END CONNECTION: PUPPED END X FNPT END (Pupped End (PE) Pup piece of 100mm shall be provided on the socket weld end of the valve. Pup piece material API 5L Gr.X60, SchXXS) CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE OPERATOR: LEVER THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PI1-DS-17 page 5 of 17 for more information) (page 39 of TR)</p>	



100	BALL VALVE 3/4" 6000 PSIG 2500#, FULL BORE, SOCKETWELD x FNPT ENDS, LEVER OPERATED (WITH ONE PUP PLAIN END) ASTM A105N	<p>BALL VALVE 3/4" FULL BORE RATING: 6000 PSIG OR 2500# END CONNECTION: PUPPED END X FNPT END (Puped End (PE) Pup piece of 100mm shall be provided on the socket weld end of the valve. Pup piece material API 5L Gr.X60, SchXXS) CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE OPERATOR: LEVER THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PI1-DS-18 page 13 of 18 for more information) (page 40 of TR)</p>	
101	Ball Valve 1 1/2"-150# RF Flanged Ends, Full bore, floating ball type, ASTM A182-F316, ASME B36.10, Lever operated	<p>BALL VALVE 1 1/2" FULL BORE RATING: 150# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A182 F316 OR EQUIVALENT CONSTRUCTION BALL: FLOATING TYPE OPERATOR: LEVER VALVE CODE: BAA4ML THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PI1-DS-06 page 7 of 12 for more information) (page 41 of TR)</p>	
102	Van bi/Ventиль 2 in, Ball Valve Full Bore, 300#, RF Flanged ends, ASTM A216-WCB, API 6D, Floating Ball Type, Lever Operated, Locking device, Valve code: BAB4AL	<p>BALL VALVE 2" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT CONSTRUCTION BALL: FLOATING TYPE OPERATOR: LEVER THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PI1-DS-10 page 7 of 23 for more information) (page 42 of TR)</p>	



103	Ball valve 3" 300#, FB, Floating Ball Type, RF Flange Ends, 2 pieces, ASTM A216-WCB/ EQUIVALENT, API 6D, Lever Operated, Locking device	<p>BALL VALVE 3" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT CONSTRUCTION BALL: FLOATING TYPE OPERATOR: LEVER THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PII-DS-10 page 7 of 23 for more information) (page 42 of TR)</p>	
104	Ball Valve Full bore 4", 150#, RF Flanged Ends, ASTM A216-WCB, API 6D, Floating Ball Type, Lever operated, Locking device	<p>BALL VALVE 4" FULL BORE RATING: 150# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT CONSTRUCTION BALL: FLOATING TYPE OPERATOR: LEVER VALVE CODE: BAA4AL THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PII-DS-01 page 7 of 12 for more information) (page 43 of TR)</p>	
105	4" Ball Valve Full Bore, 2500#, RTJ Flanged ends, Body-ASTM A216-WCB or EQUIVALENT, API 6D, Trunnion mounted Ball Type, Gear Operated, Locking device	<p>BALL VALVE 4" FULL BORE RATING: 2500# END CONNECTION: FLANGED RTJ FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D or BS EN ISO 17292 or ASME B16.34 OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE OPERATOR: GEAR THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PII-DS-18 page 9 of 18 for more information) (page 44 of TR)</p>	



106	Ball Valve; Full Bore ; 6" 300#; RF Flanged ends; ASTM A216-WCB; API 6D; Trunnion mounted; Locking device	<p>BALL VALVE 6" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE OPERATOR: LEVER OR GEAR THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PII-DS-10 page 9 of 23 for more information) (page 45 of TR)</p>	
107	Ball valve 8"300#, RF Flange Ends, ASTM A216-WCB/ EQUIVALENT, API 6D, Trunnion mounted, Gear Operated, Locking device (ID 193.7mm)	<p>BALL VALVE 8" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE (ID = 193.7 MM) OPERATOR: GEAR THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PII-DS-10 page 11 of 23 for more information) (page 46 of TR)</p>	
108	BALL VALVE 12", 300# RF ASTM A216 GR. WCB ASME B16.10 GEAR OPERATED HANDWHEEL (ID 292.1mm)	<p>BALL VALVE 12" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 CONSTRUCTION STANDARD: API 6D OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE (ID = 292.1MM) OPERATOR: GEAR THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to VSP-NIPI-TYP-TS-PII-DS-10 page 11 of 23 for more information) (page 47 of TR)</p>	



109	SWING CHECK VALVE 6", 300# RF ASTM A216 GR. WCB ASME B16.10 - Клапан	<p>SWING CHECK VALVE 6"</p> <p>RATING: 300#</p> <p>END CONNECTION: FLANGED RAISED FACE TO ASME B16.5</p> <p>CONSTRUCTION STANDARD: API 6D OR EQUIVALENT</p> <p>BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT</p> <p>CONSTRUCTION BODY: BOLTED COVER, SWING TYPE</p> <p>TRIM DESIGN: REPLACEBLE DISC, RENEWABLE SEAT, METAL TO METAL SEATING SURFACE.</p> <p>ACTION: SELF-ACTING</p> <p>THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT.</p> <p>(referred to VSP-NIPI-TYP-TS-PI1-DS-31 page 5 of 6 for more information) (page 48 of TR)</p>	
110	Globe Valve 2" 300# RF ASTM A216 WCB Hand wheel	<p>GLOBE VALVE 2"</p> <p>RATING: 300#</p> <p>END CONNECTION: FLANGED RAISED FACE TO ASME B16.5</p> <p>CONSTRUCTION STANDARD: API 623 OR EQUIVALENT</p> <p>CONSTRUCTION TYPE: OUTSIDE SCREW & YOKE, PLUG TYPE DISC, BOLTED BONNET, PACKED GLAND</p> <p>BODY & BONNET MATERIAL: ASTM A105N OR A216 WCB OR EQUIVALENT</p> <p>TRIM DESIGN: REPLACEABLE DISC AND SEAT</p> <p>OPERATOR: HANDWHEEL</p> <p>THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT.</p> <p>(referred to VSP-NIPI-TYP-TS-PI1-DS-61 page 4 of 7 for more information) (page 49 of TR)</p>	



111	Needle Valve, 1/2" 3000 Psig / 800#, Papped PE end x FNPT end, OS&Y, ASTM A182-F316 or EQUIVALENT, ASME B16.34, T-bar operated, with 1 pup end PE ASTM A312 Gr.TP316, Sch80S	<p>NEEDLE VALVE 1/2" RATING: 3000 PSIG OR 800# END CONNECTION: SOCKET WELD X FNPT PUP PIECE OF 100MM SHALL BE PROVIDED ON THE SOCKET WELD END OF THE VALVE. PUP PIECE MATERIAL ASTM A312 GR.TP316, SCH80S) BODY & BONNET MATERIAL: SS 316/ ASTM A479 OR EQUIVALENT CONSTRUCTION STANDARD: ASME B16.11 OR EQUIVALENT CONSTRUCTION TYPE: INSIDE SCREW, ANTI STATIC DESIGN TRIM DESIGN: SOLID NEEDLE OPERATION: T-BAR (referred to VSP-NIPI-TYP-TS-PI1-DS-71 page 5 of 7 for more information) (page 50 of TR)</p>	
Group 4			
112	ADJUSTABLE ANGLE CHOKE VALVE 4"-2500# RTJ FLG ENDS, ASTM A694 GR F60 / Van góc / Угловой клапан.	<p>ADJUSTABLE ANGLE CHOKE VALVE 4" RATING: 2500# END CONNECTION: 2500# RTJ x 2500# RTJ to ASME B16.5 CONSTRUCTION STANDARD: API 6A OR EQUIVALENT BODY & BONNET MATERIAL: ASTM A694 GR F60 OR A216 WCB OR EQUIVALENT CONSTRUCTION BODY TYPE: ANGLE CHOKE OPERATION: HANDWHEEL THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (Referred to OFSP-230-TS-PI1-DS-001 page 2, 3 of 3 for more information) (page 51, 52 of TR)</p>	
113	PSV 3"300#x4"150#	<p>PRESSURE SAFETY VALVE 3" x 4" RATING: 300# x 150# END CONNECTION: 3" 300# RF x 4" 150# RF BODY & BONNET MATERIAL: SA216-WCB CS OR EQUIVALENT CONSTRUCTION STANDARD: API 526 OR EQUIVALENT THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (Referred to OFSP-230-TS-PR1-DS-001 page 2 of 2 for more information) (page 53 of TR)</p>	



Group 5		
114	Shutdown Valve Full bore, 8" 300# RF Flanged ends, Body material ASTM A216-WCB, API 6D	SHUTDOWN VALVE 8" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 BODY MATERIAL ASTM 216 WCB OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE (ID 193.7 mm) HANDWHEEL ACTUATOR TYPE PNEUMATIC SINGLE ACTION SPRING RETURN FAIL CLOSE THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to OFSP-358-TS-PI1-DS-001 page 5 of 13 for more information: SDV-904) (page 54 of TR)
115	Shutdown Valve 12" 300# RF, FB, ASTM A216 w/ Actuator	SHUTDOWN VALVE 12" FULL BORE RATING: 300# END CONNECTION: FLANGED RAISED FACE TO ASME B16.5 BODY MATERIAL ASTM 216 WCB OR EQUIVALENT CONSTRUCTION BALL: TRUNNION MOUNTED TYPE (ID 292.1 mm) HANDWHEEL ACTUATOR TYPE PNEUMATIC SINGLE ACTION SPRING RETURN FAIL CLOSE THE PAINT COATING THICKNESS SHALL BE SUITABLE FOR EQUIPMENT OPERATING IN OFFSHORE ENVIRONMENT. (referred to OFSP-358-TS-PI1-DS-001 page 5 of 13 for more information: SDV-411) (page 54 of TR)
Group 6		
116	Studbolts M16 (5/8" UNC) x 90mm w/2 hex. nuts, ASTM A193-B7/A194-2H, Xylan fluorocarbon coated, ASME B18.2.1/B18.2.2 /	STUDBOLTS M16 5/8" X 90 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED
117	Studbolt & nuts M16x110 ASTM A193-B8M/ A194-8M	STUDBOLTS M16 (5/8" UNC) X 110MM W/2 HEX. NUTS, ASTM A193-B8M/ A194-8M OR EQUIVALENT ASME B18.2.1/ B18.2.2 OR EQUIVALENT



118	Studbolts 5/8" x 110 w/2 hex. nuts, ASTM A193 Gr.B7/ASTM A194 Gr.2H, ASME B18.2.1/B18.2.2, Galvanized and Xylan fluorocarbon coated	STUDBOLTS 5/8" X 110 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED	
119	Studbolts M20 x200mm w/2 hex. nuts, ASTM A193-B8M/ A194-8M, ASME B18.2.1/ B18.2.2	STUDBOLTS M20 X 200 W/2 HEX. NUTS ASTM A193-B8M/ A194-8M OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT	
120	STUD BOLTS M20x150, ASTM A193 GR. B7 XYLAN FLUOROCARBON COATED ASME B18.2.1/HEX. NUTS ASTM A194 GR. 2H XYLAN FLUOROCARBON COATED ASME B18.2.2	STUDBOLTS M20 X 150 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED	
121	Studbolts 3/4" x 195 w/2 hex. nuts, ASTM A193 Gr.B7/ASTM A194 Gr.2H, ASME B18.2.1/B18.2.2, Galvanized and Xylan fluorocarbon coated	STUDBOLTS 3/4" X 195 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED	
122	Studbolts 7/8" x 160mm 9UNC (M24, 160mm)	STUDBOLTS 7/8" X 160 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED	
123	Studbolts M30 (1 1/8" UNC) x 190 mm w/2 hex. nuts, ASTM A193-B7/A194-2H, Xylan fluorocarbon coated, ASME B18.2.1/B18.2.2	STUDBOLTS M30 1 1/8" X 190 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED	
124	Studbolts 1 1/2 in w/2 hex. nuts, ASTM A193-B7/ A194-2H, Xylan fluorocarbon coated, ASME B18.2.1/ B18.2.2, 1 1/2 in (M39), 270mm	STUDBOLTS M39 1 1/2" X 270 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED	
125	STUD BOLTS M39x335, ASTM A193 GR. B7 XYLAN FLUOROCARBON COATED ASME B18.2.1/HEX. NUTS ASTM A194 GR. 2H XYLAN FLUOROCARBON COATED ASME B18.2.2	STUDBOLTS M39 1 1/2" X 335 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED	
126	Studbolts w/2 hex. nuts, ASTM A193-B7/ A194-2H, Xylan Fluorocarbon Coated, ASME B18.2.1/ B18.2.2, M52, 505mm	STUDBOLTS M52 2" X 505 W/2 HEX. NUTS ASTM A193 GR. B7/ASTM A194 GR.2H OR EQUIVALENT ASME B18.2.1/B18.2.2 OR EQUIVALENT GALVANIZED AND XYLAN FLUOROCARBON COATED	



127	GASKET, RING TYPE JOINT, SOFT IRON, R-66, CLASS 900, 16 INCH- Gioăng làm kín - Sắt mềm/ Прокладка мягкого железа	METALLIC RING JOINT 16" R-66 TYPE R OCTAGONAL RATING: 900# DIMENSION: ASME B16.20 OR EQUIVALENT Max. Hardness 90 HB	
128	SOFT IRON GASKET 8" , 2500# RTJ, HARDNESS 90 BHN, ELECTROPLATED ZINC COATED, OCTAGONAL RING TYPE JOINT, TYPE R, ASME B16.20	METALLIC RING JOINT 8" R-51 TYPE R OCTAGONAL RATING: 2500# DIMENSION: ASME B16.20 OR EQUIVALENT Max. Hardness 90 HB	
129	SPIRAL WOUND GASKET 1 1/2" 4.5MM THK, 150# RF SS316 ASME B16.20	SPIRAL WOUND GASKET 1 1/2" RATING: 150# OUTER/ INNER RING: SS316 OR EQUIVALENT GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20 OR EQUIVALENT	
130	SPIRAL WOUND GASKET 2" 4.5MM THK, 150# RF SS316 ASME B16.20	SPIRAL WOUND GASKET 2" RATING: 150# OUTER/ INNER RING: SS316 OR EQUIVALENT GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20 OR EQUIVALENT	
131	Spiral Wound Gasket 6" 150#, RF, Outer & Inner Ring – SS316, 4.5mm thick, ASME B16.20 - Прокладка	SPIRAL WOUND GASKET 6" RATING: 150# OUTER/ INNER RING: SS316 OR EQUIVALENT GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20 OR EQUIVALENT	
132	Spiral Wound Gasket 2"-300#; RF; SS316 Graphite Filler; Outer Ring SS316 & Inner Ring SS 316; 4.5mm Thk; ASME B16.20 - Vòng đệm làm kín	SPIRAL WOUND GASKET 2" RATING: 300# OUTER/ INNER RING: SS316 OR EQUIVALENT GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20 OR EQUIVALENT	



133	Spiral Wound Gasket 3"-300#; RF; SS316 Graphite Filler; Outer Ring SS316 & Inner Ring SS 316; 4.5mm Thk; ASME B16.20 - Vòng đệm làm kín	SPIRAL WOUND GASKET 3" RATING: 300# OUTER/ INNER RING: SS316 OR EQUIVALENT GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20 OR EQUIVALENT	
134	SPIRAL WOUND GASKET 6" , 4.5MM THK 300# RF SS316 ASME B16.20	SPIRAL WOUND GASKET 6" RATING: 300# OUTER/ INNER RING: SS316 OR EQUIVALENT GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20 OR EQUIVALENT	
135	Spiral Wound Gasket 8"-300#; RF; SS316 Graphite Filler; Outer Ring SS316 & Inner Ring SS 316; 4.5mm Thk; ASME B16.20 - Vòng đệm làm kín	SPIRAL WOUND GASKET 8" RATING: 300# OUTER/ INNER RING: SS316 OR EQUIVALENT GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20 OR EQUIVALENT	
136	Spiral Wound Gasket, 600#, RF, 4.5mm thick, Graphite Filler, Outer Ring SS & Inner Ring SS316, ASME B16.20, 2"	SPIRAL WOUND GASKET 2" RATING: 600# OUTER/ INNER RING: SS316 OR EQUIVALENT GRAPHITE FILLER THICKNESS: 4.5MM DIMENSION: ASME B16.20 OR EQUIVALENT	
Group 7			
137	Barred Tee 8" x 8" (ID:193.6mm) BW, 12.7MM Thickness, ID:193.6 MM, ASTM A860-WPHY60, ASME B16.9 and ASME B31.3	BARRED TEE 8" x 8" STANDARD SPECIFICATION: ASTM A860, ASME B16.9, ASME B31.3 OR EQUIVALENT MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: 8" x 8", SCHEDULE: S-80 X S-80 (referred to OFSP-358-TS-PI1-DS-002 page 4 of 8 for more information) (page 55 of TR)	



138	Reducing Barred Tee 12" x 8", BW, 15.9mm Thickness, ID: 292.1 mm x S-80, ASTM A860-WPHY60, ASME B16.9 and ASME B31.3.	REDUCING BARRED TEE 12" x 8" STANDARD SPECIFICATION: ASTM A860, ASME B16.9, ASME B31.3 OR EQUIVALENT MATERIAL GRADE: ASTM A860 GRADE WPHY60 OR EQUIVALENT DIMENSION: 12" x 8", SCHEDULE: 15.9mm X S-80 (referred to OFSP-358-TS-PI1-DS-002 page 6 of 8 for more information) (page 56 of TR)	
139	Hammer union 3/4" SHU-0004, 6000 psig (Include 3/4" S-XXS BW Female Sub & Wing cap) ANSI 4130.	HAMMER UNION 3/4" 6000 PSI SHU BEVEL END IN BOTH SUBS (MALE & FEMALE) ENDS, INTEGRAL WING NUT, REPLACEABLE LIP-TYPE SEAL RING AND WING CAP FOR TEMPORARY CLOSE. (referred to OFSP-230-TS-PI1-DS-002 page 2,3 of 3 for more information) (page 57, 58 of TR)	
140	FLEXIBLE HOSE 2" 150#	FLEXIBLE HOSE WITH FLANGED ENDS 2' 150# FLANGE ASTM A182-F316L OR EQUIVALENT HOSE LENGTH: 16M (referred to OFSP-358-TS-PI1-DS-002 page 8 of 8 for more information) (page 59 of TR)	
Group 8			
141	Channel C150x75x9 ASTM A36	CHANNEL C 150 x 75 x 9 STANDARD SPECIFICATION: ASTM A36 OR EQUIVALENT 6 METERS PER LENGTH	
142	Angle Bar L75x75x9; ASTM A36 -Thép góc/ Уголок -	ANGLE BAR L 75 x 75 x 9 STANDARD SPECIFICATION: ASTM A36 OR EQUIVALENT 6 METERS PER LENGTH	
143	Plate, Carbon Steel, ASTM A36, 10 mm, 1500 mm, 6000 mm	STEEL PLATE 10 MM THK 1500MM X 6000MM STANDARD SPECIFICATION: ASTM A36 OR EQUIVALENT 9 M2 PER PLATE	
144	Оцинкованная труба/Galvanized pipe Ø42,2x 3,6; Carbon Steel, API 5L, Gr.B	GALVANIZED SEAMLESS PIPE Ø42,2 STANDARD SPECIFICATION: API 5L PSL 1 MATERIAL GRADE: API 5L PSL 1 Gr. B OR EQUIVALENT SCHEDULE: 40 DIMENSION: API 5L / ASME B36.10M OR EQUIVALENT 6 METERS PER LENGTH	



145	Steel Bar Ø50mm, ASTM A36 or Equivalent	ROUND BAR Ø50 STANDARD SPECIFICATION: ASTM A36 OR EQUIVALENT 6 METERS PER LENGTH	
146	STEEL PLATE 10 MM THK, ASTM A516 Gr.70	STEEL PLATE 10 MM THK STANDARD SPECIFICATION: ASTM A516 Gr 70 OR EQUIVALENT 9 M2 PER PLATE	
147	STEEL PLATE 8thk, ASTM A36	STEEL PLATE 8 MM THK 1500MM X 6000MM STANDARD SPECIFICATION: ASTM A36 OR EQUIVALENT 9 M2 PER PLATE	
Group 9			
148	U-bolts guide (PS-06) M10 (ø3/8") for pipe 1.1/2"	M10 (ø3/8"), U-bolts guide (PS-06) for pipe 1 1/2" - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5 mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: Weight Load on the I-rod at each Pipe Support : 550kg (referred to VSP-NIPI-TYP-TS-PI1-DS-100 page 7,8 of 14 for more information) (page 60, 61 of TR)	



149	U-bolts guide M10 (3/8")(PS-06) for pipe 2"	<p>M10 (ø3/8"), U-bolts guide (PS-06) for pipe 2"</p> <ul style="list-style-type: none"> - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C; <p>Weight Load on the I-rod at each Pipe Support : 550kg (referred to VSP-NIPI-TYP-TS-PI1-DS-100 page 7,8 of 14 for more information) (page 60, 61 of TR)</p>	
150	U-bolts guide (PS-06) M14 (ø1/2") for pipe 3"	<p>M14 (ø1/2"), U-bolts guide (PS-06) for pipe 3"</p> <ul style="list-style-type: none"> - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C; <p>Weight Load on the I-rod at each Pipe Support : 1025kg (referred to VSP-NIPI-TYP-TS-PI1-DS-100 page 7,8 of 14 for more information) (page 60, 61 of TR)</p>	



151	U-bolts guide (PS06) for pipe 4"	<p>M14 (ø1/2"), U-bolts guide (PS-06) for pipe 4"</p> <ul style="list-style-type: none"> - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, - 04 nuts ASTM A36, hot-dip galvanized; - 3mm thk. plated steel washer, hot-dip galvanized, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: <p>Weight Load on the I-rod at each Pipe Support : 1025kg (referred to VSP-NIPI-TYP-TS-PI1-DS-100 page 7,8 of 14 for more information) (page 60, 61 of TR)</p>	
152	U-bolts guide (PS06) for pipe 6"	<p>M14 (ø1/2"), U-bolts guide (PS-06) for pipe 6"</p> <ul style="list-style-type: none"> - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: <p>Weight Load on the I-rod at each Pipe Support : 1640kg (referred to VSP-NIPI-TYP-TS-PI1-DS-100 page 7,8 of 14 for more information) (page 60, 61 of TR)</p>	



153	U-bolts guide (PS06) for pipe 8"	<p>M16 (ø5/8"), U-bolts guide (PS-06) for pipe 8"</p> <ul style="list-style-type: none"> - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 12.5mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: <p>Weight Load on the I-rod at each Pipe Support : 1640kg (referred to VSP-NIPI-TYP-TS-PI1-DS-100 page 7,8 of 14 for more information) (page 60, 61 of TR)</p>	
154	U-bolt for pipe 12"	<p>M24 (ø7/8"), U-bolts guide (PS-06) for pipe 12"</p> <ul style="list-style-type: none"> - 01 U-bolt ASTM A36, hot-dip galvanized and PTFE coated, insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering; - 04 nuts ASTM A36, hot-dip galvanized and PTFE coated; - 3mm thk. plated steel washer, hot-dip galvanized and PTFE coated, (04 pcs); - 3mm thk. insulating washer, PTFE or Glass reinforced epoxy resin G10 (04 pcs); - 02 pcs Isolated bushing, PTFE or Glass reinforced epoxy resin G10; - 01 Half round I-rod Pad (non-gripping), 19 mm thk., Teflon pad (White) Maximum Operating Temperature 83°C: <p>Weight Load on the I-rod at each Pipe Support : 3420kg (referred to VSP-NIPI-TYP-TS-PI1-DS-100 page 7,8 of 14 for more information) (page 60, 61 of TR)</p>	
Group 10			
155	Rockwool wiremesh blanket 50mm thk x 600mm x 5m roll -- Одеяло из минеральной ваты	<p>ROCKWOOL INSULATION BLANKET 50 MM THICKNESS WITH GALVANIZED MESH ON ONE SIDE, 600 MM WIDE ROLL, LENGTH 3M÷5M:</p> <ul style="list-style-type: none"> - MINIMUM DENSITY 100 ÷ 150 KG/M3 - THERMAL CONDUCTIVITY 0.06 W/M°K AT 200°C - TEMPERATURE LIMIT -15°C ÷ 750°C 	



156	Stainless steel sheet, thk. 0.5mm (WxL=1200x Roll), SS316L - Лист из нержавеющей стали	STAINLESS STEEL SHEET: SUS 316L SS MATERIAL, 0.5MM THICKNESS, WIDE 1200MM, LENGTH 3M÷5M	
157	Tie wire SUS 316 SS soft annealed material, ø1.6 mm size	TIE WIRE SUS 316 SS SOFT ANNEALED MATERIAL, Ø1.6 MM SIZE, WEIGHT 3KG ÷ 5KG	
158	Self Tapping Screw : SUS 316 SS material, No. 8x13 mm long size, Slotted pan head type	SELF TAPPING SCREW : SUS 316 SS MATERIAL, NO. 8X13 MM LONG SIZE, SLOTTED PAN HEAD TYPE, 500 PCE/ PACK	
159	BANDING: SUS 316 SS MATERIAL, 12MM WIDE X 0.5MM THICKNESS	BANDING: SUS 316 SS MATERIAL, 12MM WIDE X 0.5MM THICKNESS, 10KG/ ROLL	
160	Banding Buckle 12mm	BANDING BUCKLE 12MM, TYPE L CLIP, SUS 304/SUS 316 OR EQUIVALENT	
161	Silicone Sealant Apolo A600 or EQUIVALENT	SILICONE SEALANT APOLO A600 OR EQUIVALENT	
162	Removable Toggle Clip/Catch Buckle Locker, 316 SS material	REMOVABLE TOGGLE CLIP/CATCH BUCKLE LOCKER, 316 SS MATERIAL OR EQUIVALENT	





TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR BALL VALVE CLASS AS1 - 150#

VSP-NIPI-TYP-TS-PI1-DS-06

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DESIGN REQUIREMENTS		26	Drains, vents		No		
1	Valve code	BA36ML	27	Sealant injection on seats		No	
2	Size Range	1/2" to 1.1/2"	28	Sealant injection on stem		No	
3	Rating	3000 Psig or 800#	29	Lifting lugs	Valve support	No	No
4	Piping class	AS1 - Stainless Steel	30	Lock open / Lock close		Yes	
5	Corrosion allowance	0 mm	31	Manufacturer / Model Number		Vendor to advise	
6	Design Pressure range	10 ÷ 13 barg		MATERIAL REQUIREMENTS			
7	Design Temperature range	-20 ÷ 155°C	32	Body & Bonnet		ASTM A182 F316	
8	Service	Instrument / Utility Air, Chemical, High / Low Pressure Flare, Lube Oil, Fuel Gas, Aviation Fuel	33	Seal:	Stem/Body	PTFE / Manufacture's Standard (Note 3)	
9	Insulation	Yes or No (Note 1)	34		O'ring	-	
10	End Connection	Pupped end PE x FNPT end to ASME B1.20.1	35		Seat	PTFE (Note 3)	
11	Pup Piece	Pupped End (PE) Pup piece of 100mm shall be provided on the socket weld end of the valve. Pup piece material ASTM A312 Gr.TP316, Sch80S	36	Internal Trim:	Ball	ASTM A182 F316	
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	37		Seat inserts	RPTFE	
13	Construction -body	Split body, replaceable ball& seats	38		Stem	ASTM A182 F316 or 17-4 PH Stainless Steel	
14	Reduced or full bore	Full bore	39		Springs	316 Stainless Steel	
15	Construction - ball	Floating type	40	Gasket Body / Bonnet		316 SS + Graphite / Manufacture's Standard	
16	Extended Stem	Yes or No (Note 1)	41	Bolting:	Bolts	ASTM A193 Gr. B8M SermaGard 1105/1280 coated	
17	Operator	Lever with position indicator	42		Nuts	ASTM A194 Gr. 8M SermaGard 1105/1280 coated	
18	Action	Quarter turn		TECHNICAL DELIVERY REQUIREMENTS			
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43	Pressure test		Yes, as per API 598, API 6D and Specification	
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44	Non destructive tests		Yes, as per API 598, API 6D and Specification	
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45	Fire Safe Test Certificate		Yes, as per API 607 / API6FA / BS6755 part 2	
22	Auto body cavity pressure relief	Yes	46	Material Certificates		Yes, EN ISO 10204-3.1	
23	Blow out proof stem	Yes	47	Marking		Yes, as per MSS-SP-25 and Specification	
24	Stem position (Vertical / Horizontal)	Suitable for both	48	Painting		As per VSP-NIPI-TYP-GEN-AC7-SP-01	
25	Flow axes (Vertical / Horizontal)	Suitable for both	49	Colour code		-	

Notes:

1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.



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DATASHEET FOR BALL VALVE CLASS EC1/EX1 - 1500#

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DESIGN REQUIREMENTS			MATERIAL REQUIREMENTS			
		26	Drains, vents		No	
1	Valve code	BA66AL	Sealant injection on seats		No	
2	Size Range	1/2" to 1.1/2"	Sealant injection on stem		No	
3	Rating	6000 Psig or 1500#	Lifting lugs	Valve support	No	
4	Piping class	EC1 - Carbon Steel	Lock open / Lock close		Yes	
5	Corrosion allowance	3 mm	Manufacturer / Model Number		Vendor to advise	
6	Design Pressure range	220 barg	MATERIAL REQUIREMENTS			
7	Design Temperature range	0 ÷ 150°C	Body & Bonnet		ASTM A105N	
8	Service	Process Gas & Liquid, Crude Oil, Process Mixed Flow, Gaslift Gas	Seal:	Stem/Body	PEEK / Manufacture's Standard (Note 3)	
9	Insulation	Yes or No (Note 1)		O'ring	Manufacture's Standard	
10	End Connection	Pupped end PE x FNPT end to ASME B1.20.1		Seat	PEEK (Note 3)	
11	Pup Piece	Pupped End (PE) Pup piece of 100mm shall be provided on the socket weld end of the valve. Pup piece material ASTM A106 Gr.B, SchXXS	Internal Trim:	Ball	ASTM A182 F316	
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34		Seat/Seat inserts	PEEK	
13	Construction -body	Split body, replaceable ball& seats		Stem	ASTM A182 F316 or 17-4 PH Stainless Steel	
14	Reduced or full bore	Full bore		Springs	316 Stainless Steel	
15	Construction - ball	Trunnion mounted type	Gasket Body / Bonnet		316 SS + Graphite / Manufacture's Standard	
16	Extended Stem	Yes or No (Note 1)	Bolting:	Bolts	ASTM A193 Gr. B7M SermaGard 1105/1280 coated	
17	Operator	Lever with position indicator		Nuts	ASTM A194 Gr. 7M SermaGard 1105/1280 coated	
18	Action	Quarter turn	TECHNICAL DELIVERY REQUIREMENTS			
19	Face to face dimensions	As per ASME B16.10 Long Pattern	Pressure test		Yes, as per API 598, API 6D and Specification	
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	Non destructive tests		Yes, as per API 598, API 6D and Specification	
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	Fire Safe Test Certificate		Yes, as per API 607 / API6FA / BS6755 part 2	
22	Auto body cavity pressure relief	Yes	Material Certificates		Yes, EN ISO 10204-3.1	
23	Blow out proof stem	Yes	Marking		Yes, as per MSS-SP-25 and Specification	
24	Stem position (Vertical / Horizontal)	Suitable for both	Painting		As per VSP-NIPI-TYP-GEN-AC7-SP-01	
25	Flow axes (Vertical / Horizontal)	Suitable for both	Colour code		Yellow RAL 1003	

Notes:

1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.





TYPICAL ENGINEERING DOCUMENTATION
**DATASHEET FOR BALL VALVE CLASS FC1/FC2 -
 2500#**

VSP-NIPI-TYP-TS-PI1-DS-18

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DESIGN REQUIREMENTS					
		26	Drains, vents		
1	Valve code	BA66UL	27	Sealant injection on seats	
2	Size Range	1/2" to 1.1/2"	28	Sealant injection on stem	
3	Rating	6000 Psig or 2500#	29	Lifting lugs	
4	Piping class	FC1/FC2 - High Strength Carbon Steel	30	Lock open / Lock close	
5	Corrosion allowance	3 mm	31	Manufacturer / Model Number	
6	Design Pressure range	275 - 350 barg		MATERIAL REQUIREMENTS	
7	Design Temperature range	0 + 45°C	32	Body & Bonnet	
8	Service	Injection Water	33	Seal:	
9	Insulation	No	34	Stem/Body	
10	End Connection	Pupped end PE x FNPT end to ASME B1.20.1	35	O'ring	
11	Pup Piece	Pupped End (PE) Pup piece of 100mm shall be provided on the socket weld end of the valve. Pup piece material API 5L Gr.X60, SchXXS	36	Seat	
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	37	Ball	
13	Construction -body	Split body, replaceable ball& seats	38	Internal Trim:	
14	Reduced or full bore	Full bore	39	Seat/Seat inserts	
15	Construction - ball	Trunnion mounted type	40	Stem	
16	Extended Stem	No	41	Springs	
17	Operator	Lever with position indicator	42	Gasket Body / Bonnet	
18	Action	Quarter turn		Bolting:	
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43	Bolts	
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44	Nuts	
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45	TECHNICAL DELIVERY REQUIREMENTS	
22	Auto body cavity pressure relief	Yes	46	Pressure test	Yes, as per API 598, API 6D and Specification
23	Blow out proof stem	Yes	47	Non destructive tests	Yes, as per API 598, API 6D and Specification
24	Stem position (Vertical / Horizontal)	Suitable for both	48	Fire Safe Test Certificate	Yes, as per API 607 / API6FA / BS6755 part 2
25	Flow axes (Vertical / Horizontal)	Suitable for both	49	Material Certificates	Yes, EN ISO 10204-3.1
				Marking	Yes, as per MSS-SP-25 and Specification
				Painting	As per VSP-NIPI-TYP-GEN-AC7-SP-01
				Colour code	Yellow RAL 1003

Notes:

1. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.





TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR BALL VALVE CLASS AS1 - 150#

VSP-NIPI-TYP-TS-PI1-DS-06

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DESIGN REQUIREMENTS		26	Drains, vents		No
1	Valve code	BAA4ML	27	Sealant injection on seats	
2	Size Range	1/2" to 4"	28	Sealant injection on stem	
3	Rating	150#	29	Lifting lugs	Valve support
4	Piping class	AS1 - Stainless Steel	30	Lock open / Lock close	
5	Corrosion allowance	0 mm	31	Manufacturer / Model Number	
6	Design Pressure range	10 ÷ 13 barg		MATERIAL REQUIREMENTS	
7	Design Temperature range	-20 ÷ 155°C	32	Body & Bonnet	
8	Service	Instrument / Utility Air, Chemical, High / Low Pressure Flare, Lube Oil, Fuel Gas, Aviation Fuel	33	Seal:	Stem/Body
9	Insulation	Yes or No (Note 1)	34		O'ring
10	End Connection	Flanged Raised Face to ASME B16.5 (Note 4)	35		Seat
11	Pup Piece	-	36	Internal Trim:	Ball
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	37		Seat inserts
13	Construction -body	Split body, replaceable ball& seats	38		Stem
14	Reduced or full bore	Full bore	39		Springs
15	Construction - ball	Floating type	40	Gasket Body / Bonnet	
16	Extended Stem	Yes or No (Note 1)	41	Bolting:	Bolts
17	Operator	Lever with position indicator	42		Nuts
18	Action	Quarter turn		TECHNICAL DELIVERY REQUIREMENTS	
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43	Pressure test	
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44	Non destructive tests	
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45	Fire Safe Test Certificate	
22	Auto body cavity pressure relief	Yes	46	Material Certificates	
23	Blow out proof stem	Yes	47	Marking	
24	Stem position (Vertical / Horizontal)	Suitable for both	48	Painting	
25	Flow axes (Vertical / Horizontal)	Suitable for both	49	Colour code	

- Notes:**
1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
 2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
 3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.
 4. Raised Face (RF) flange end connections shall have surface roughness between 125 µin to 250 µin in accordance with ASME B16.5.



TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR BALL VALVE CLASS BC1/BX1 - 300#

VSP-NIPI-TYP-TS-PI1-DS-10

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DESIGN REQUIREMENTS					
		26	Drains, vents		
1	Valve code	BAB4AL	27	Sealant injection on seats	
2	Size Range	1/2" to 3"	28	Sealant injection on stem	
3	Rating	300#	29	Lifting lugs	
			Valve support	No	
4	Piping class	BC1 - Carbon Steel	30	Lock open / Lock close	
5	Corrosion allowance	3 mm	31	Manufacturer / Model Number	
6	Design Pressure range	20 ÷ 45 barg		Vendor to advise	
7	Design Temperature range	-29 ÷ 120 ⁰ C		MATERIAL REQUIREMENTS	
8	Service	Process Gas & Liquid, Crude Oil, Process Mixed Flow, Condensate Water, Closed Drain, Steam, Oily Water	32	Body & Bonnet	
				ASTM A105N or ASTM A216 WCB	
9	Insulation	Yes or No (Note 1)	33	Seal:	
10	End Connection	Flanged Raised Face to ASME B16.5 (Note 4)	34		Stem/Body
					PTFE / Manufacture's Standard (Note 3)
11	Pup Piece	-	35	O'ring	
				-	
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	36	Seat	
				PTFE (Note 3)	
13	Construction -body	Split body, replaceable ball& seats	37	Internal Trim:	
14	Reduced or full bore	Full bore	38		Ball
					ASTM A182 F316
15	Construction - ball	Floating type	39		Seat inserts
				RPTFE	
16	Extended Stem	Yes or No (Note 1)	40	Stem	
				ASTM A182 F316 or 17-4 PH Stainless Steel	
17	Operator	Lever with position indicator	41	Springs	
				316 Stainless Steel	
18	Action	Quarter turn	42	Gasket Body / Bonnet	
				316 SS + Graphite / Manufacture's Standard	
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43	Bolting:	
				Bolts	
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44	Nuts	
				ASTM A193 Gr. B7M SermaGard 1105/1280 coated	
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45	TECHNICAL DELIVERY REQUIREMENTS	
22	Auto body cavity pressure relief	Yes	46	Pressure test	
				Yes, as per API 598, API 6D and Specification	
23	Blow out proof stem	Yes	47	Non destructive tests	
				Yes, as per API 598, API 6D and Specification	
24	Stem position (Vertical / Horizontal)	Suitable for both	48	Fire Safe Test Certificate	
				Yes, as per API 607 / API6FA / BS6755 part 2	
25	Flow axes (Vertical / Horizontal)	Suitable for both	49	Material Certificates	
				Yes, EN ISO 10204-3.1	
				Marking	
				Yes, as per MSS-SP-25 and Specification	
				Painting	
				As per VSP-NIPI-TYP-GEN-AC7-SP-01	
				Colour code	
				Yellow RAL 1003	

Notes:

1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.
4. Raised Face (RF) flange end connections shall have surface roughness between 125 µin to 250 µin in accordance with ASME B16.5.



TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR BALL VALVE CLASS AC1 - 150#

VSP-NIPI-TYP-TS-PI1-DS-01

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DESIGN REQUIREMENTS							
1	Valve code	BAA4AL	26	Drains, vents	No		
2	Size Range	1/2" to 4"	27	Sealant injection on seats	No		
3	Rating	150#	28	Sealant injection on stem	No		
4	Piping class	AC1 - Carbon Steel	29	Lifting lugs	Valve support	No	No
5	Corrosion allowance	3 mm	30	Lock open / Lock close	Yes		
6	Design Pressure range	7 ÷ 13 barg	31	Manufacturer / Model Number	Vendor to advise		
7	Design Temperature range	-29 ÷ 155°C	32	MATERIAL REQUIREMENTS			
8	Service	Process Mixed Flow, Crude Oil, Process Treated Water, Open/Closed Drain, LP/HP Vent, Nitrogen, Fuel Oil, Lube Oil, Methanol, Glycol, Fuel Oil	33	Body & Bonnet	ASTM A105N or ASTM A216 WCB		
9	Insulation	Yes or No (Note 1)	34	Seal:	Stem/Body	PTFE / Manufacture's Standard (Note 3)	
10	End Connection	Flanged Raised Face to ASME B16.5 (Note 4)	35		O'ring	-	
11	Pup Piece	-	36		Seat	PTFE (Note 3)	
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	37	Internal Trim:	Ball	ASTM A182 F316	
13	Construction -body	Split body, replaceable ball& seats	38		Seat inserts	RPTFE	
14	Reduced or full bore	Full bore	39		Stem	ASTM A182 F316 or 17-4 PH Stainless Steel	
15	Construction - ball	Floating type	40	Springs	316 Stainless Steel		
16	Extended Stem	Yes or No (Note 1)	41	Gasket Body / Bonnet	316 SS + Graphite / Manufacture's Standard		
17	Operator	Lever with position indicator	42	Bolting:	Bolts	ASTM A193 Gr. B7M SermaGard 1105/1280 coated	
18	Action	Quarter turn	42		Nuts	ASTM A194 Gr. 7M SermaGard 1105/1280 coated	
				TECHNICAL DELIVERY REQUIREMENTS			
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43	Pressure test	Yes, as per API 598, API 6D and Specification		
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44	Non destructive tests	Yes, as per API 598, API 6D and Specification		
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45	Fire Safe Test Certificate	Yes, as per API 607 / API6FA / BS6755 part 2		
22	Auto body cavity pressure relief	Yes	46	Material Certificates	Yes, EN ISO 10204-3.1		
23	Blow out proof stem	Yes	47	Marking	Yes, as per MSS-SP-25 and Specification		
24	Stem position (Vertical / Horizontal)	Suitable for both	48	Painting	As per VSP-NIPI-TYP-GEN-AC7-SP-01		
25	Flow axes (Vertical / Horizontal)	Suitable for both	49	Colour code	Yellow RAL 1003		

Notes:

1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.
4. Raised Face (RF) flange end connections shall have surface roughness between 125 µin to 250 µin in accordance with ASME B16.5.



TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR BALL VALVE CLASS FC1/FC2 - 2500#

VSP-NIPI-TYP-TS-PI1-DS-18

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DESIGN REQUIREMENTS						
		26	Drains, vents		Yes	
1	Valve code	BAF5BG	27	Sealant injection on seats		No Note 5
2	Size Range	2" to 10"	28	Sealant injection on stem		Yes For 6" and above
3	Rating	2500#	29	Lifting lugs	Valve support	Yes Yes, if weight is 500 kg or above
4	Piping class	FC1/FC2 - High Strength Carbon Steel	30	Lock open / Lock close		Yes
5	Corrosion allowance	3 mm	31	Manufacturer / Model Number		Vendor to advise
6	Design Pressure range	275 - 350 barg		MATERIAL REQUIREMENTS		
7	Design Temperature range	0 ÷ 45°C	32	Body & Bonnet		ASTM A216 WCB or equal
8	Service	Injection Water	33	Seal:	Stem/Body	PEEK / Manufacture's Standard (Note 3)
9	Insulation	No	34		O'ring	Manufacture's Standard
10	End Connection	Flanged RTJ Face to ASME B16.5 (Note 4)	35		Seat	PEEK (Note 3)
11	Pup Piece	-	36	Internal Trim:	Ball	ASTM A182 F316
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	37		Seat/Seat inserts	PEEK
13	Construction -body	Split body, replaceable ball& seats	38		Stem	ASTM A182 F316 or 17-4 PH Stainless Steel
14	Reduced or full bore	Full bore	39		Springs	Inconel X-750
15	Construction - ball	Trunnion mounted type	40	Gasket Body / Bonnet		316 SS + Graphite / Manufacture's Standard
16	Extended Stem	No	41	Bolting:	Bolts	ASTM A193 Gr. B7M SermaGard 1105/1280 coated
17	Operator	Gear	42		Nuts	ASTM A194 Gr. 7M SermaGard 1105/1280 coated
18	Action	Quarter turn		TECHNICAL DELIVERY REQUIREMENTS		
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43	Pressure test		Yes, as per API 598, API 6D and Specification
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44	Non destructive tests		Yes, as per API 598, API 6D and Specification
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45	Fire Safe Test Certificate		Yes, as per API 607 / API6FA / BS6755 part 2
22	Auto body cavity pressure relief	Yes	46	Material Certificates		Yes, EN ISO 10204-3.1
23	Blow out proof stem	Yes	47	Marking		Yes, as per MSS-SP-25 and Specification
24	Stem position (Vertical / Horizontal)	Suitable for both	48	Painting		As per VSP-NIPI-TYP-GEN-AC7-SP-01
25	Flow axes (Vertical / Horizontal)	Suitable for both	49	Colour code		Yellow RAL 1003

Notes:

1. Manufacturer shall ensure valve seats and seal are explosive decompression resistant.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.
4. Ring Type Joint (RTJ) flange end connections shall have groove surface roughness max 63 µin in accordance with ASME B16.5.
5. Applicable for actuated soft seated valves in diameter 16" and above.



TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR BALL VALVE CLASS BC1/BX1 - 300#

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DESIGN REQUIREMENTS					
		26	Drains, vents		
1	Valve code	BAB4BL	27	Sealant injection on seats	
2	Size Range	4" to 6"	28	Sealant injection on stem	
3	Rating	300#	29	Lifting lugs	
			Valve support	No	
4	Piping class	BC1 - Carbon Steel	30	Lock open / Lock close	
5	Corrosion allowance	3 mm	31	Manufacturer / Model Number	
6	Design Pressure range	20 ÷ 45 barg		Vendor to advise	
7	Design Temperature range	-29 ÷ 120 ⁰ C		MATERIAL REQUIREMENTS	
8	Service	Process Gas & Liquid, Crude Oil, Process Mixed Flow, Condensate Water, Closed Drain, Steam, Oily Water	32	Body & Bonnet	
				ASTM A105N or ASTM A216 WCB	
9	Insulation	Yes or No (Note 1)	33	Seal:	
10	End Connection	Flanged Raised Face to ASME B16.5 (Note 4)	34		Stem/Body
11	Pup Piece	-	35		PTFE / Manufacture's Standard (Note 3)
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	36	O'ring	
13	Construction -body	Split body, replaceable ball& seats	37	Seat	
14	Reduced or full bore	Full bore	38	Ball	
15	Construction - ball	Trunnion mounted type	39	Seat inserts	
16	Extended Stem	Yes or No (Note 1)	40	Stem	
17	Operator	Lever with position indicator	41	Internal Trim:	
18	Action	Quarter turn	42	Ball	
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43	Seat inserts	
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44	Stem	
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45	Springs	
22	Auto body cavity pressure relief	Yes	46	Gasket Body / Bonnet	
23	Blow out proof stem	Yes	47	316 SS + Graphite / Manufacture's Standard	
24	Stem position (Vertical / Horizontal)	Suitable for both	48	Bolting:	
25	Flow axes (Vertical / Horizontal)	Suitable for both	49	Bolts	
				Nuts	
				ASTM A193 Gr. B7M SermaGard 1105/1280 coated	
				ASTM A194 Gr. 7M SermaGard 1105/1280 coated	
				TECHNICAL DELIVERY REQUIREMENTS	
				Pressure test	
				Yes, as per API 598, API 6D and Specification	
				Non destructive tests	
				Yes, as per API 598, API 6D and Specification	
				Fire Safe Test Certificate	
				Yes, as per API 607 / API6FA / BS6755 part 2	
				Material Certificates	
				Yes, EN ISO 10204-3.1	
				Marking	
				Yes, as per MSS-SP-25 and Specification	
				Painting	
				As per VSP-NIPI-TYP-GEN-AC7-SP-01	
				Colour code	
				Yellow RAL 1003	

Notes:

1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.
4. Raised Face (RF) flange end connections shall have surface roughness between 125 µin to 250 µin in accordance with ASME B16.5.





TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR BALL VALVE CLASS BC1/BX1 - 300#

VSP-NIPI-TYP-TS-PI1-DS-10

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DESIGN REQUIREMENTS						
		26	Drains, vents		Yes	
1	Valve code	BAB4BG	27	Sealant injection on seats		No Note 6
2	Size Range	8"	28	Sealant injection on stem		Yes
3	Rating	300#	29	Lifting lugs	Valve support	Yes Yes, if weight is 500 kg or above
4	Piping class	BC1 - Carbon Steel	30	Lock open / Lock close		Yes
5	Corrosion allowance	3 mm	31	Manufacturer / Model Number		Vendor to advise
6	Design Pressure range	20 ÷ 45 barg		MATERIAL REQUIREMENTS		
7	Design Temperature range	-29 ÷ 120 ⁰ C	32	Body & Bonnet		ASTM A105N or ASTM A216 WCB
8	Service	Process Gas & Liquid, Crude Oil, Process Mixed Flow, Condensate Water, Closed Drain, Steam, Oily Water	33	Seal:	Stem/Body	PTFE / Manufacture's Standard (Note 3)
9	Insulation	Yes or No (Note 1)	34		O'ring	Manufacture's Standard
10	End Connection	Flanged Raised Face to ASME B16.5 (Note 4)	35		Seat	PTFE (Note 3)
11	Pup Piece	-	36	Internal Trim:	Ball	ASTM A182 F316
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	37		Seat inserts	RPTFE
13	Construction -body	Split body, replaceable ball& seats	38		Stem	ASTM A182 F316 or 17-4 PH Stainless Steel
14	Reduced or full bore	Full bore	39		Springs	316 Stainless Steel
15	Construction - ball	Trunnion mounted type (ID = 193.7mm)	40	Gasket Body / Bonnet		316 SS + Graphite / Manufacture's Standard
16	Extended Stem	Yes or No (Note 1)	41	Bolting:	Bolts	ASTM A193 Gr. B7M SermaGard 1105/1280 coated
17	Operator	Gear	42		Nuts	ASTM A194 Gr. 7M SermaGard 1105/1280 coated
18	Action	Quarter turn		TECHNICAL DELIVERY REQUIREMENTS		
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43	Pressure test		Yes, as per API 598, API 6D and Specification
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44	Non destructive tests		Yes, as per API 598, API 6D and Specification
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45	Fire Safe Test Certificate		Yes, as per API 607 / API6FA / BS6755 part 2
22	Auto body cavity pressure relief	Yes	46	Material Certificates		Yes, EN ISO 10204-3.1
23	Blow out proof stem	Yes	47	Marking		Yes, as per MSS-SP-25 and Specification
24	Stem position (Vertical / Horizontal)	Suitable for both	48	Painting		As per VSP-NIPI-TYP-GEN-AC7-SP-01
25	Flow axes (Vertical / Horizontal)	Suitable for both	49	Colour code		Yellow RAL 1003

Notes:

1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.
4. Raised Face (RF) flange end connections shall have surface roughness between 125 µin to 250 µin in accordance with ASME B16.5.
5. Manufacturer shall ensure valve seats and seal are explosive decompression resistant.
6. Applicable for actuated soft seated valves in diameter 16" and above.



TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR BALL VALVE CLASS BC1/BX1 - 300#

VSP-NIPI-TYP-TS-PI1-DS-10

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DESIGN REQUIREMENTS		MATERIAL REQUIREMENTS	
1	Valve code	BAB4BG	26
2	Size Range	12"	27
3	Rating	300#	28
4	Piping class	BC1 - Carbon Steel	29
5	Corrosion allowance	3 mm	30
6	Design Pressure range	20 ÷ 45 barg	31
7	Design Temperature range	-29 ÷ 120°C	32
8	Service	Process Gas & Liquid, Crude Oil, Process Mixed Flow, Condensate Water, Closed Drain, Steam, Oily Water	33
9	Insulation	Yes or No (Note 1)	34
10	End Connection	Flanged Raised Face to ASME B16.5 (Note 4)	35
11	Pup Piece	-	36
12	Construction standard	API 6D or BS EN ISO 17292 or ASME B16.34	37
13	Construction -body	Split body, replaceable ball& seats	38
14	Reduced or full bore	Full bore	39
15	Construction - ball	Trunnion mounted type (ID = 292.1mm)	40
16	Extended Stem	Yes or No (Note 1)	41
17	Operator	Gear	42
18	Action	Quarter turn	
19	Face to face dimensions	As per ASME B16.10 Long Pattern	43
20	Fire Safe	Yes, as per API 607 / API6FA / BS6755 part 2	44
21	Anti-static device	Yes, as per API 6D or BS EN ISO 17292	45
22	Auto body cavity pressure relief	Yes	46
23	Blow out proof stem	Yes	47
24	Stem position (Vertical / Horizontal)	Suitable for both	48
25	Flow axes (Vertical / Horizontal)	Suitable for both	49
		TECHNICAL DELIVERY REQUIREMENTS	
		Pressure test	Yes, as per API 598, API 6D and Specification
		Non destructive tests	Yes, as per API 598, API 6D and Specification
		Fire Safe Test Certificate	Yes, as per API 607 / API6FA / BS6755 part 2
		Material Certificates	Yes, EN ISO 10204-3.1
		Marking	Yes, as per MSS-SP-25 and Specification
		Painting	As per VSP-NIPI-TYP-GEN-AC7-SP-01
		Colour code	Yellow RAL 1003

Notes:

1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.
4. Raised Face (RF) flange end connections shall have surface roughness between 125 µm to 250 µm in accordance with ASME B16.5.
5. Manufacturer shall ensure valve seats and seal are explosive decompression resistant.
6. Applicable for actuated soft seated valves in diameter 16" and above.





TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR CHECK VALVE CLASS BC1 - 300#

VSP-NIPI-TYP-TS-PI1-DS-31

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DESIGN REQUIREMENTS		20	Valve support		Yes, if weight is 500 kg or above	
1	Valve code	CHB4BN	21	Manufacturer	Model Number	Vendor to advise
2	Size Range	2" to 24"	MATERIAL REQUIREMENTS			
3	Rating	300#	22	Body & Cover		ASTM A105N or ASTM A216 WCB
4	Piping class	BC1 - Carbon Steel	23	Internal Trim:	Disc	ASTM A182 Gr. F316
5	Corrosion allowance	3 mm	24		Seat	ASTM A182 Gr. F316 + Stellite #6
6	Design Pressure range	20 ÷ 45 barg	25		Hing & stop pin	ASTM A182 Gr. F316
7	Design Temperature range	-29 ÷ 120°C	26		Disc nut & washer	ASTM A182 Gr. F316
8	Service	Process Gas & Liquid, Crude Oil, Process Mixed Flow, Condensate Water, Closed Drain, Steam, Oily Water	27		Spring	316 Stainless Steel
9	End Connection	Flanged Raced Face to ASME B16.5 (Note 3)	28	Gasket Body		Manufacture's Standard
10	Construction standard	API 6D, API 602 and ASME B16.34	29	Bolting:	Bolts	ASTM A193 Gr. B7M SermaGard 1105/1280 coated
11	Construction -body	Bolted cover, Swing type	30		Nuts	ASTM A194 Gr. 7M SermaGard 1105/1280 coated
12	Trim design	Replaceable disc, renewable seat, metal to metal seating surface	TECHNICAL DELIVERY REQUIREMENTS			
13	Action	Self-acting	31	Pressure test		Yes, as per API 598, API 6D and Specification
14	Face to face dimensions	As per ASME B16.10 Long Pattern	32	Non destructive tests		Yes, as per API 598, API 6D and Specification
15	Fire Safe	Yes, design as per API 6FA / BS6755 part 2	33	Fire Safe Test Certificate		-
16	Flow axes (Vertical / Horizontal)	Vertical upwards, Horizontal	34	Material Certificates		Yes, EN ISO 10204-3.1
17	Drains, vents	No	35	Marking		Yes, as per MSS-SP-25 and Specification
18	Sealant injection on seats	No	36	Painting		As per VSP-NIPI-TYP-GEN-AC7-SP-01
19	Lifting lugs	Yes for nomral size 8" & above	37	Colour code		Yellow RAL 1003

Notes:

1. Different hardness shall be maintained between seats to prevent galling.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Raised Face (RF) flange end connections shall have surface roughness between 125 µin to 250 µin in accordance with ASME B16.5.



TYPICAL ENGINEERING DOCUMENTATION

DATASHEET FOR GLOBE VALVE CLASS BC1/BX1 - 300#

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DESIGN REQUIREMENTS		24	Lifting lugs	No		
1	Valve code	GLB4AH	25	Valve support	No	
2	Size Range	2" to 6"	26	Lock open / Lock close	Yes	
3	Rating	300#	27	Manufacturer	Vendor to advise	
4	Piping class	BC1 - Carbon Steel	28	Model Number	Vendor to advise	
5	Corrosion allowance	3 mm		MATERIAL REQUIREMENTS		
6	Design Pressure range	20 ÷ 45 barg	29	Body & Bonnet	ASTM A105N or ASTM A216 WCB	
7	Design Temperature range	-29 ÷ 120°C	30	Internal Trim:	Disc	ASTM A182 F6 11.5-13.5% Cr + Stellite #6
8	Service	Process Gas & Liquid, Crude Oil, Process Mixed Flow, Condensate Water, Closed Drain, Steam, Oily Water	31		Seat	ASTM A182 F6 11.5-13.5% Cr + Stellite #6
9	Insulation	Yes or No (Note 1)	32		Stem	ASTM A182 F6 11.5-13.5% Cr
10	End Connection	Flanged Raced Face to ASME B16.5 (Note 4)	33	Gland flange	ASTM A105N	
11	Construction standard	BS 1873, API 623, ASME B16.34	34	Gland packing	Graphited non-asbestos (Note 3)	
12	Construction type	Outside Screw & Yoke, Plug type disc, Bolted Bonnet, Packed Gland	35	Stem packing	Graphited non-asbestos (Note 3)	
13	Extended Stem	Yes or No (Note 1)	36	Gasket Body / Bonnet	316 SS + Graphite / Manufacture's Standard	
14	Stem protector	Yes	37	Bolting:	Bolts ASTM A193 Gr. B7M SermaGard 1105/1280 coated	
15	Trim design	Replaceable disc and seat	38	Nuts		ASTM A194 Gr. 7M SermaGard 1105/1280 coated
16	Operation	Handwheel		TECHNICAL DELIVERY REQUIREMENTS		
17	Action	Rising stem, stem protector	39	Pressure test	Yes, as per API 598, API 6D and Specification	
18	Face to face dimensions	As per ASME B16.10 Long Pattern	40	Non destructive tests	Yes, as per API 598, API 6D and Specification	
19	Fire Safe	By design	41	Fire Safe Test Certificate	-	
20	Stem position (Vertical / Horizontal)	Suitable for both	42	Material Certificates	Yes, EN ISO 10204-3.1	
21	Flow axes (Vertical / Horizontal)	Suitable for both	43	Marking	Yes, as per MSS-SP-25 and Specification	
22	Drains, vents	No	44	Painting	As per VSP-NIPI-TYP-GEN-AC7-SP-01	
23	Sealant injection on stem	No	45	Colour code	Yellow RAL 1003	

Notes:

1. Insulation thickness and extended stem requirement to be specified in purchase requisition.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select packing material to be suitable for service condition and shall be completed with quotation.
4. Raised Face (RF) flange end connections shall have surface roughness between 125 µin to 250 µin in accordance with ASME B16.5.



TYPICAL ENGINEERING DOCUMENTATION
DATASHEET FOR NEEDLE VALVE CLASS BC1/BS1 - 300#

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	DESIGN REQUIREMENTS		24	Sealant injection on stem		No	
1	Valve code	NV32DT	25	Lifting lugs	Valve support	No	No
2	Size Range	1/2" to 1 1/2"	26	Lock open / Lock close		Yes	
3	Rating	3000 Psig or 800#	27	Manufacturer		Vendor to advise	
4	Piping class	BS1 - Stainless Steel	28	Model Number		Vendor to advise	
5	Corrosion allowance	0 mm		MATERIAL REQUIREMENTS			
6	Design Pressure range	35 barg	29	Body & Bonnet		SS 316/ASTM A479	
7	Design Temperature range	-29 ÷ 120°C	30	Stem		SS 316/ASTM A479	
8	Service	Process Gas & Liquid, Fuel Gas, Seal Gas, Corrosion Inhibitor, Demulsifier, Depressant	31	Seat		SS 316/ASTM A479	
9	Insulation	No	32	Disc/Needle		SS 316/ASTM A479	
10	End Connection	Socket Weld x FNPT	33	Packing		Graphited non-asbestos	
11	Construction standard	Manufacture's Standard, ASME B16.11, ASME B1.20.1	34	Packing gland		SS 316	
12	Construction type	Inside Screw, Anti static design	35	Locking bolt / Nut		SS 316	
13	Extended Stem	No	36	Locking pin		SS 316	
14	Stem protector	Yes	37	Handle		Robust Stainless steel Bar handle	
15	Trim design	Solid Needle		TECHNICAL DELIVERY REQUIREMENTS			
16	Operation	T-Bar	39	Pressure test		Yes, as per API 598, API 6D and Specification	
17	Action	Rising stem, stem protector	40	Non destructive tests		Yes, as per API 598, API 6D and Specification	
18	Face to face dimensions	Manufacture's Standard	41	Fire Safe Test Certificate		-	
19	Fire Safe	By design as per API 607 / BS 6755 part 2	42	Material Certificates		Yes, EN ISO 10204-3.1	
20	Stem position (Vertical / Horizontal)	Suitable for both	43	Marking		Yes, as per MSS-SP-25 and Specification	
21	Flow axes (Vertical / Horizontal)	Suitable for both	44	Painting		As per VSP-NIPI-TYP-GEN-AC7-SP-01	
22	Drains, vents	No	45	Colour code		-	

Notes:

1. Different hardness shall be maintained between seats to prevent galling.
2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.
3. Manufacturer shall select packing material to be suitable for service condition and shall be completed with quotation.



NOTES:

1. This document shall be read in conjunction with the following project documents:

Document No.	Title
VSP-NIPI-TYP-TS-PI1-SP-01	Piping Material Class Specification
VSP-NIPI-TYP-TS-PI1-SP-02	Specification for Manual Valves
VSP-NIPI-TYP-GE-AC7-SP-10	Painting Specification for Platform and Pipeline

2. Manufacturer to furnish catalogue with quotation and as-built drawing during delivery.

3. Manufacturer shall select seat and seal material to meet the design pressure / temperature range and shall be completed with quotation.

4. Ring Type Joint (RTJ) flange end connections shall have groove surface roughness max 63 µin, in accordance with ASME B16.5.

5. Different hardness shall be maintained between seats to prevent galling.

6. Sizing: Vendor shall verify (update datasheets as indicated including calculated and rated Cv) and be responsible for the sizing and selection of choke valves, and submit all calculation for review during bidding and also final documentation. Vendor is required to submit noise calculation.

7. The choke valve shall be provided with mechanical position indicators. Position shall be indicated on as reversible, graduated scale with the words "Open" and "Shut" at the valve travel limit.

8. Valve body should not be constructed by welding together with sub-components, e.g. flanges should not be welded into body.

9. Trim shall be cage type with internal plug / piston. Cage must be fully supported both top and bottom end.

10. Manufacturer shall ensure valve seats and seal are explosive decompression resistant.

11. The choke valve shall conform to API 5L Product Specification Level 2 (PSL 2) for material / temperature requirement and meet the Performance Requirement Level 2 (PR 2) as per API 6A.

Datasheet Index

Valve code	Size range	Pressure rating	End connection	Valve type	Page
HV-3302	4 inch x 4 inch	2500# x 2500#	RTJ x RTJ flanged ends	Hand Angle choke valve, CS	3 of 3





RENOVATION OF TYPICAL 12" PIG L/R SKID
APPLIED FOR CONSEQUENCING PIGGING

OFSP-230-TS-PI1-DS-001

DATASHEET FOR HAND CHOKE VALVE


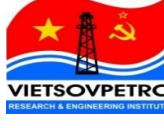
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DESIGN REQUIREMENTS							
1	Tag number	HV-3302	31	Operation	Manual Handwheel		
2	Valve Size	4"	32	Fire Safe	By design as per API 607 or API6FA or BS6755 part 2		
3	Line number	WI-FC1-4"-3302-N	33	Stem position (Vertical / Horizontal)	Suitable for both		
4	P&ID number	OFSP-230-TS-PR1-PID-001	34	Flow axes (Vertical / Horizontal)	Suitable for both		
5	Rating / Piping class	2500# x2500# - FC1 x FC1 - Carbon Steel	35	Lifting lugs	Valve support	Yes	No
6	Corrosion allowance	3 mm	36	Sealant injection on stem	Yes		
7	Design Pressure range	275 / 45 barg	37	Weight of valve	Vendor to confirm - Kg		
8	Operating Pressure range min./max - Inlet / Outlet	Inlet: 220-250 barg / Outlet: 0 - 40 barg	38	Manufacturer	Vendor to advise		
9	Design Temperature range	0 ÷ 45°C	39	Model Number	Vendor to advise		
10	Operating Temperature	Ambient		MATERIAL REQUIREMENTS			
11	Pressure Defferential (min-max)	180 - 250 barg	40	Body & Bonnet	ASTM A216 WCB or equal		
12	Service	Injection Water	41	Seals	Stem	PEEK	(Note 3)
13	Liquid Flow: min-max.	50-242 m3/h	42		O'ring	VITON	(Note 3)
14	Liquid density	1011	43		Seat	Manufacturer's standard	
15	Liquid Viscosity	0.89	44	Internal Trim:	Sleeve	UNS S17400	
16	Surface Tension: min. / max.	72.10 dyne/cm	45		Other wetted parts	UNS S31600	
17	Calculated Cv / Valve opening %: min. / max.	Vendor to confirm	46		Stem	UNS S31600	
18	Valve Cv: min. / max.	Vendor to confirm	47		Flow cage	UNS S41000 + QPQ	
19	Exit velocity: min. / max. case	Vendor to confirm	48	Flow plug	UNS S17400 + QPQ		
20	Noise allowable	< 85 dBA	49	Packing	Suitable for service condition		
21	Pipe size / schedule / material - Inlet / Outlet	4" Sch 160 API 5L Gr.X60 / 4" Sch 160 API 5L Gr.X60	50	Bolting:	Bolts	ASTM A193 Gr. B7M Xylan Fluorocarbon coated	
22	End Connection / Rating - Inlet / Outlet	2500# RTJ x 2500# RTJ to ASME B16.5 (See note 4)	51		Nuts	ASTM A194 Gr. 7M Xylan Fluorocarbon coated	
23	Construction standard	API 6A		TECHNICAL DELIVERY REQUIREMENTS			
24	Construction body type	Angle choke	52	Pressure test	Yes, as per API 6A, ASME B16.34 and Specification		
25	Type of bonnet	Bolted	53	Non destructive tests	Yes, as per API 6A, ASME B16.34 and Specification		
26	Body & Bonnet designation & Pressure rating	60K, 34.5 Mpa (5000 Psi)	54	Fire Safe Test Certificate	-		
27	Trim type	Multi orifice cage with internal plug	55	FCI Leakage Class	ANSI / FCI / 70-2 Class IV		
28	Size / Rated travel	Vendor to confirm	56	Material Certificates	Yes, EN ISO 10204-3.1		
29	Characteristic	Equal Percentage	57	Marking	Yes, as per MSS-SP-25 and Specification		
	Balanced / Unbalanced	Fully pressure balanced	58	Painting	As per VSP-NIPI-TYP-GE-AC7-SP-10		
			59	Colour code	Yellow RAL 1003		

 	RENOVATION OF TYPICAL 12" PIG L/R SKID APPLIED FOR CONSEQUENCING PIGGING	Doc. No	OFSP-230-TS-PR1-DS-001
		Rev.No	0
	DATASHEET FOR PSV		Page	2 OF 2

DATASHEET FOR PSV

TAG NAME **PSV FOR RECEIVER**
SPRING LOAD


GENERAL			BASIS OF SELECTION		
1	Tag number	PSV-3302	7	Code: ASME VIII	Yes Stamp Req. Yes
2	Service	WATER	8	Comply with API 526	Yes
3	PID No	OFSP-230-TS-PR1-PID-001_0	9	Fire	No
4	Line number	WI-BC1-3"-3310-N	10	Rupture disk	No
5	Equipment Number	-			
6	Quantity	1			

VALVE DESIGN			MATERIALS		
11	Design type	Conventional	19	Body	SA216-WCB CS or equal
12	Nozzle	Full	20	Bonnet	SA216-WCB CS or equal
13	Bonnet type	Closed	21	Seat nozzle/Disk	SS 316L or equal
14	Seat type	Metal-to-Metal	22	Resilient Seat	SS 316L or equal
15	Seat tightness	API 527	23	Guide	SS 316L or equal
			24	Adjusting ring	SS 316L or equal
			25	Spring/Washer	SS 316L or equal
			26	Belows	NA
			27	Balanced piston	NA
			28	Comply with NACE MR0175	No
			29	Bolts/Nuts	A193 Gr.B7/A194 Gr.2H

CONNECTIONS			ACCESSORIES		
16	Inlet size, in.	3 Rating: 300# Facir RF	30	Cap	Screwed
17	Outlet Size, in	4 Rating: 150# Facir RF	31	Lifting lever	Packed
18	Other		32	Test gag	No
			33	Bud screen	No
			34	Other	-

SERVICE CONDITIONS			SIZING AND SELECTION		
35	Fluid and state	WATER	53	Design code	ASME/API 520
36	Required capacity	242.70 m3/hr	54	Sizing case	Fire case (Liquid vaporation)
37	Molecular weight	18.01	55	Calculated orifice area, in2	1.712 (VTC)
38	Viscosity at flowing temperature	0.89 cP	56	Selected orifice area, in2	1.838 (VTC)
39	Operating pressure	0-40 barg	57	Orifice designation	3K4 (VTC)
40	Set pressure	40 barg	58	Manufacture	VTA
41	Blowdown	- Standard	59	Model number	VTA
42	Latent heat of vaporation	- kJ/kg	60	Vendor calculation req.	Yes
43	Operating temperature	25 oC			
44	Relieving tempearture	25.80 oC			
45	Built-up back pressure	0 barg			
46	Supperimposed back pressure	- barg			
47	Cold differential test pressure	- barg			
48	Allowable overpressure	10%			
49	Compressibility factor Z	-			
50	Ratio of specific heat	-			
51	Density @ normal condition	1008.72 kg/m3			
52	Density @ relieving condition	- kg/m3			



		PIG/L/R INTERCONNECTION ON PLATFORMS FOR THE FIRST AND PERIODICAL PIGGING IN 2026 DATA SHEET FOR AUTOMATED VALVES				OFSP-358-TS-P11-DS-001			
		Rev.	0	Page	5 of 13				
GENERAL	1	Tag Number	SDV-411		SDV-904				
	2	Service	Process liquid Mixture from MSP3 to MSP4		Process liquid Mixture from BK1 to BK2				
	3	P&ID No.	MSP4-242-TS-PR1-PID-001		BK1.BK10-061-TS-PR1-PID-001				
	4	Line No.	PL-BX1-12"-0411-N		P-BX1-8"-3301-N				
	5	Line Size & Schedule Inlet / Outlet	12" 15.9mm Thk. (ID:292.1mm)		8" 12.7mm Thk. (ID:193.7mm)				
	6	Insulation	NO		NO				
SERVICE CONDITIONS	7	Fluid Type	HYDROCARBON LIQUID		HYDROCARBON LIQUID				
	8	DP @ Shut-off (Bar)	45		45				
	9	Pressure: Oper. Design (Barg)	10 + 35	45	10 + 35	45			
	10	Temp.: Oper. Design (deg.C)	30 + 60	0 + 100	30 + 60	0 + 100			
VALVE (note 6)	11	Area Classification	Class 1 zone 2, IIA, T3		Class 1 zone 2, IIA, T3				
	12	Manufacturer	Model No.	VTA	VTA	VTA	VTA		
	13	Quantity	1		1				
	14	Type	Valve Code	BALL VALVE	BAB4BG	BALL VALVE	BAB4BG		
	15	Body Size	Port Size	12" (ID:292.1mm) (Note 6)		8" (ID:193.7mm) (Note 6)			
	16	End Conn. & Rating	RF Flanges 300#		RF Flanges 300#				
	17	Construction	Split body, replaceable ball & seats		Split body, replaceable ball & seats				
	18	Body Material	ASTM A216 WCB or equal		ASTM A216 WCB or equal				
	19	Bolting / Nuts Material	ASTM 193 Gr. B7M / ASTM 194 Gr. B7M Xylan Fluorocarbon Coated		ASTM 193 Gr. B7M / ASTM 194 Gr. B7M Xylan Fluorocarbon Coated				
	20	Trim Material: Ball / Stem	Seat/Seal Material	ASTM A182 F316 or equal	RPTFE	ASTM A182 F316 or equal	RPTFE		
	21	Trunnion / Shaft	Trunnion Type		Trunnion Type				
	22	Stem Packing	Seat Inserts	Graphite non asbestos	RPTFE	Graphite non asbestos	RPTFE		
	23	Firesafe Standard	API 607 / API 6FA		API 607 / API 6FA				
	24	Sealant Injection	YES		YES				
	25	Shutoff Class	CLASS VI		CLASS VI				
	26	Valve Torque Break / Run / End	VTA		VTA				
	27	Anti-Static Device	YES		YES				
	28	Torque Safety Factor	1.5 as minimum (Note 4)		1.5 as minimum (Note 4)				
	29	Certification Requirements	EN10204-2004 3.1 including Pressure Test		EN10204-2004 3.1 including Pressure Test				
	ACTUATOR	30	Manufacturer	VTA		VTA			
		31	Model No.	VTA		VTA			
		32	Type	PNEUMATIC SINGLE ACTION SPRING RETURN		PNEUMATIC SINGLE ACTION SPRING RETURN			
		33	Actuator Orientation	Control panel pneumatic Conn. (Note 6)	ON TOP	1/2" NPT-F	ON TOP	1/2" NPT-F	
		34	Action on Failure	FAIL CLOSE		FAIL CLOSE			
		35	Torque: Spring Break	End	VTA	VTA	VTA	VTA	
		36	Operating Time on Air Failure	< 20 seconds		< 20 seconds			
		37	Handwheel	YES		YES			
		38	Manual Testing	NO		NO			
		39	Instrument Air Supply	Max (Barg)	8		8		
40		Normal (Barg)	Minimum (Barg)	-	4	-	4		
41		Filter Regulator & Gauge	Housing Material of actuator	YES (316SS)	Carbon Steel (Note 4)	YES (316SS)	Carbon Steel (Note 4)		
42		Relief Valve	VTA		VTA				
43		Mechanical Position Indicator	YES		YES				
SOLENOID VALVE	44	Solenoid Valve Tag No.	XY-411		XY-904				
	45	Manufacturer	Model No.	VTA	VTA	VTA	VTA		
	46	Type	3 WAY SOLENOID VALVE		3 WAY SOLENOID VALVE				
	47	Quantity	Material	1	316 SS	1	316 SS		
	48	Reset type	Supply Voltage	Auto reset	24 VDC	Auto reset	24 VDC		
	49	Ingress Protection Rating	Electrical Connection	min IP 56	1/2" NPT-F (Note 5)	min IP 56	1/2" NPT-F (Note 5)		
	50	Certification	Ex'd'		Ex'd'				
LIMIT SWITCH	51	Limit Switch Tag No.	ZSO/ZSC - 411		ZSO/ZSC - 904				
	52	Quantity	2		2				
	53	Switch Type	PROXIMITY		PROXIMITY				
	54	Contact Form	Rating	2 x SPDT	min 0.5 A at 24 V DC	2 x SPDT	min 0.5 A at 24 V DC		
	55	Housing Material	SS316		SS316				
	56	Ingress Protection Rating	Electrical Connection	min IP 56	1/2" NPT-F (Note 5)	min IP 56	1/2" NPT-F (Note 5)		
	57	Certification	Ex'd'		Ex'd'				
	58	Manufacturer	Model No.	VTA	VTA	VTA	VTA		
OTHER ACCESSORIES	59	Speed Control	Material	NO	-	NO	-		
	60	Partial Stroke Test	Model No.	NO	-	NO	-		
	61	Filter Regulator c/w	Model No.	YES	VTA	YES	VTA		
	62	Quick Exhaust	Model No.	YES	VTA	YES	VTA		
Notes <ol style="list-style-type: none"> Air Filter & Regulator c/w gauge shall be SS316 Vendor shall supply valve c/w all accessories for connection (instrument air tube for connection between Solenoid and Regulator Filter and Actuator) Valve selection calculation report shall be provided by Automated valve Manufacturer and included in Proposal. Refer to the following project documents for more requirement: <ul style="list-style-type: none"> Specification for shutdown, blowdown valve and hand valve with limit switch: VSP-NIPI-TYP-TS-IA2-SP-04 Piping Material Class Specification: VSP-NIPI-TYP-TS-P11-SP-01 Specification for Manual Valves: VSP-NIPI-TYP-TS-P11-SP-02 Datasheet for ball valve class BC1/BX1 - 300#: VSP-NIPI-TYP-TS-P11-DS-10 Painting Specification for Platform and Pipeline: VSP-NIPI-TYP-GE-AC7-SP-10 Vendor shall supply Brass/ 316SS plugs suitable for Class 1 Zone 2 IIA T3 hazardous area classification for spare cable entry. Valve for pigging VTC: Vendor To Confirm VTA: Vendor To Advise N/A: Not Applicable									





((SHC) SPECIAL HAMMER UNION SUMMARY

No.	SFS No.	Type	Size	Q'ty (pcs)	Page No.
1	SHC-1101	Hammer Union	3/4"	1	Page 3

1) (SHC) SPECIAL HAMMER UNION

- Each Hammer Union includes:
 - Wing nut;
 - Male sub;
 - Female sub;
 - Seat/seal;
 - Spare 01 wing cap & 01 seat/seal for temporary close.
- Both subs (Male Sub + Female Sub) ends will be bevel ends for Pipe 3/4" Sch-XXS connection (BW)

Female sub of this SHC 3/4" will be connectable with male sub & wing nut (ends of flexible hose) of SFH 3/4", shall be from the same manufacturer.



GENERAL REQUIREMENT:

Reference Documents:

VSP-NIPI-TYP-TS-PI1-SP-01	Piping Material Class Specification
VSP-NIPI-TYP-TS-PI1-SP-03	Specification for Piping Special Items
VSP-NIPI-TYP-GE-AC7-SP-10	Technical Specification for Painting





**RENOVATION OF TYPICAL 12" PIG L/R SKID
APPLIED FOR CONSEQUENCING PIGGING
DATASHEET FOR HAMMER UNION FOR
STEAM CONNECTION**

OFSP-230-TS-PI1-DS-002

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DATASHEET FOR HAMMER UNION		
GENERAL		
1	Tag no	SHC-1101
2	Quantity Required	1
3	P&ID No	OFSP-230-TS-PR1-PID-001
4	Line No./ Equipment No.	P-BC1-2"-3305-N
5	Fluid service	Superheat Steam for Wells
6	Piping Class	DC2
PROCESS DATA		
7	Operating (Press. & Temp)	O. Pressure: 0÷100 barg & O. Temperature: 20÷310 °C
8	Design (Press. & Temp)	D. Pressure: 115 barg & D. Temperature: 0 ÷325 °C
MECHANICAL DATA		
9	Design Code	ASME B31.3; B36.10; B16.25; & Manufacturer's Standard
10	Type	Hammer Union with Bevel end in both Subs (Male & Female) ends, Integral Wing nut, Replaceable lip-type seal ring and Wing Cap for temporary close. Connectable with Special Flexible Hose (SFH) – note 6
11	Non-shock Cold Working Pressure Rating	6000 Psi
12	Size	3/4"
13	End Connection	Female Sub with Bevel end, ASME B16.25 for BW pipe 3/4" Sch-XXS.
14	Other end connection	Male Sub with Bevel end, ASME B16.25 for BW pipe 3/4" Sch-XXS.
15	Pipe connection with SHU	Pipe 3/4" Sch-XXS, ASTM A106 Gr.B
16	Hammer Union Accessories	Replaceable lip-type seal ring, Wing cap
MATERIALS		
17	Wing Nut	AISI 4140 (VTA)
18	Male Sub & Female Sub	AISI 4130 (VTA)
19	Wing Cap	AISI 4140 (VTA)
20	Replaceable lip-type seal ring	VTA
21	Metal to Metal seat	VTA
MANUFACTURER		
22	Manufacturer	VTA (note 6)
23	Manufacturer's Model	VTA
24	Overall Dimension / Weight	VTA
25	Hydrotest Pressure	1.5 x Design Pressure
26	Leak Test	Required, Manufacturer's Standard
27	Material Certification	EN 10204 Type 3.1
28	Painting	Required (Note 7)
NOTES		
<p>* VTA * Denotes Vendor to advise</p> <ol style="list-style-type: none"> Refer to Piping Material Class Specification _ VSP-NIPI-TYP-TS-PI1-SP-01. Vendor shall furnish detail cross section with dimensions and specify suitable materials at design process data. No welding repair is permitted on cast and forged components. Hammer Union Tag No., Size (in inches), and rating to be clearly die stamped on the body and SS316L Tag stamped fix with SS wire. Vendor shall furnish detail cross section with dimensions and specify suitable materials. Male sub & Wing nut of Flexible Hose (datasheet page 3) shall be matched and connected / disconnected to Female sub of this Hammer Union, shall be from the same manufacturer. External shall be painted as per doc. No. VSP-NIPI-TYP-GE-AC7-SP-10. This datasheet shall be read in conjunction with the relevant document No. Specification for Piping Special Items. 		





PIG L/R INTERCONNECTION ON PLATFORMS
FOR THE FIRST AND PERIODICAL PIGGING IN
2026
DATASHEET FOR PIPING SPECIAL ITEMS

OFSP-358-TS-PI1-DS-002

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DATASHEET FOR FLEXIBLE HOSE

GENERAL

1	Tag no	See Page 3 (Item No.15)
2	Quantity Required	01
3	P&ID No	See Page 3 (Item No.15)
4	Line No./ Equipment No.	See Page 3 (Item No.15)
5	Fluid service	Closed drain
6	Piping Class	AC1 _ ASME 150# (note 1)

PROCESS DATA

7	Operating (max. Press. & Temp)	8 barg & AMB
8	Design (max. Press. & Temp)	12 barg & 45 °C

MECHANICAL DATA

9	Design Code	Manufacturer's Standard
10	Type	Flexible hose with flanged ends.
11	Size	2"
12	Hose size	DN50 ID
13	End connection 1	2" Flange, 150#, RF, ASME B16.5 (Note 8)
14	End connection 2	2" Flange, 150#, RF, ASME B16.5 (Note 8)
15	Hose Length	16 m
16	Hose Color Code	VTA (Note 9)

MATERIALS

17	Hose (Note 2, 8, 9)	Inner tube: Nitrile synthetic rubber – Highe oil resistant Reinforcement: Spiral-piled synthetic fabric with double wire helix Cover: Black synthetic rubber (oil resistant)
18	Flange	ASTM A182-F316L
19	Coupler	N/A
20	Dust cap & chain	N/A
21	Seal/Gasket	VTA (suitable for the fluid service)

MANUFACTURER

22	Manufacturer's Model	VTA
23	Overall Dimension / Weight	VTA

INSPECTION & TESTING

24	Hydrotest Pressure	1.5 x Design Pressure
25	Burst pressure	4 x Working Pressure (accordance with Vietnamese standard TCVN 6767-3)
26	Leak Test	Required, Manufacturer's Standard
27	Visual Examination	100%
28	NDE	100% RT for full body – cast product as per ASME V Article 2 100% UT for full body – forged product as per ASME V Article 5 100% LT or MPT for weld joint as per ASME V Article 6 or Article 7
29	PMI	100% for PMI performance for stainless steel
30	Material Certification	EN 10204 Type 3.1 (flange) EN 10204 Type 2.1 (Rubber hose, seal, adapter, etc)
31	Marking	MSS-SP-25

NOTES

- * VTA: Denotes Vendor to advise
1. Refer to Piping Material Class Specification _ VSP-NIPI-TYP-TS-PI1-SP-01.
 2. Vendor shall furnish detail cross section with dimensions and specify suitable materials at design process data.
 3. The pressure rating of all hoses shall be stenciled on both ends of each hose.
 4. No weld repair on castings/ forging is permitted..
 5. SS 316 material nameplates shall be provided for each Tag No.
 6. All Hose and Hose connector Assemblies shall be suitable for Marine Environment and shall be resistant to Aging Abrasion, Sunlight and Dews.
 7. All SS products shall be pickled, passivated and solution annealed.
 8. Raised Face (RF) Flange end connections shall have surface roughness between 3.2 ÷ 6.3 µm
 9. Hose to be individually colored to avoid chemical mismatch during fill up, and suitable for marine application.
 10. This datasheet shall be read in conjunction with the relevant document No. VSP-NIPI-TYP-TS-PI1-SP-03 _Specification for Piping Special Items.





DATASHEET U-BOLT GUIDE (PS-06)

GENERAL

1	Type	U-bolt Guide – PS06 (refer VSP-NIPI-TYP-TS-PI1-GEN-01) - U-bolt Guide (PS06) type A: for normal pipe (only painting). - U-bolt Guide (PS06) type B: for pipe with composite added (total coat. ~2.5mm thickness by anti-corrosion department). Type as per Purchase requisition document (Project applied).
2	Support Pipe Size	as per Purchase requisition document (Project applied)
3	Quantity	as per Purchase requisition document (Project applied)

U-BOLT SUPPORT DESCRIPTION

**PS-06
U-BOLT GUIDE**

STRUCTURAL MEMBER
DRILLED HOLES

Item 1: U-bolt insulated with Polyolefin Polyshrink
Item 2: Nuts (04 pcs)
Item 3: plated steel Washer (04 pcs)
Item 3a: insulating Washer (04 pcs if any)
Item 4: Isolated bushing (02 pcs)
Item 5: Non Gripping Half round I-rod Pad (01 Pc)

5	Item 1	U-bolt (01 pc): PTFE coated / hot-dip galvanized or equal (as per Purchase requisition), insulated with Polyolefin Polyshrink to nuts, dimensions are based on "Nu-Bolt" Engineering. U-bolt: -ASTM A36 for support pipe Carbon Steel -SS316 for support pipe Stainless Steel (as per Purchase requisition)
6	Item 2	U-bolt Nut (04 pcs): PTFE coated/ hot-dip galvanized or equal (as per Purchase requisition), Nuts: -ASTM A36 for support pipe Carbon Steel -SS316 for support pipe Stainless Steel (as per Purchase requisition)
7	Item 3	3mm thk. Plated steel Washer (04 pcs), PTFE coated / hot-dip galvanized (as per Purchase requisition)
8	Item 3a	3mm thk. insulating washer (04 pcs if any - as per Purchase requisition), PTFE or Glass reinforced epoxy resin G10
9	Item 4	Isolated bushing (02 pcs), PTFE or Glass reinforced epoxy resin G10 Can be installed from the top (through i-rod + structural support member, sleeve length / depth required increases), Vendor to Advise
10	Item 5	Non-Gripping Half round I-rod Pad (01 pc or 02pcs_special case as per Purchase requisition), Teflon pad (White) Maximum Operating Temperature 83°C. Weight Load on the I-rod at each Pipe Support : as per Purchase requisition
11	Dimension (mm)	See Drawing typical page 8,9, VTA - note 2,3
12	Weight	VTA

REQUIREMENT

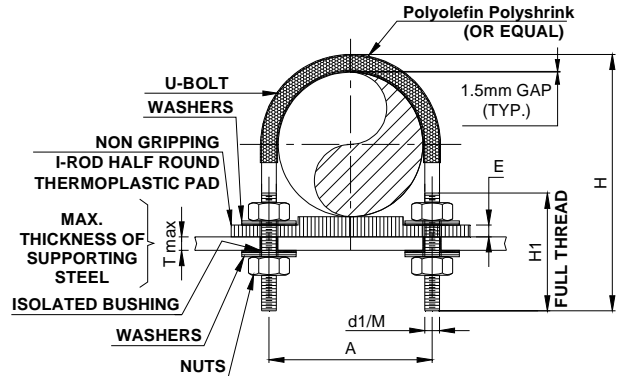
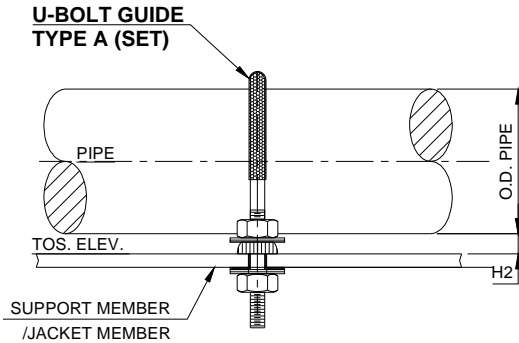
13	Certificate	Certificate of conformance
14	Marking	as per MSS-SP-25

NOTES

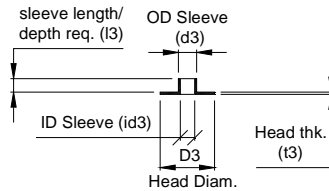
- * VTA * Denotes Vendor to advise
- 1. Refer to Pipe Support Standard _ VSP-NIPI-TYP-TS-PI1-GEN-01.
- 2. Drawing PS-06 U-bolt Guide: type A on page 8 & type B on page 9 are for reference, Vendor to advise.
- 3. Vendor shall furnish detail cross section with dimensions and specify suitable materials, shall be completed with quotation.
- 4. Refer page 14 for Non-Gripping Half round I-rod Pad's Adhesive information, Vendor to advise.



U-BOLT GUIDE (PS-06) - TYPE A FOR NORMAL PIPE



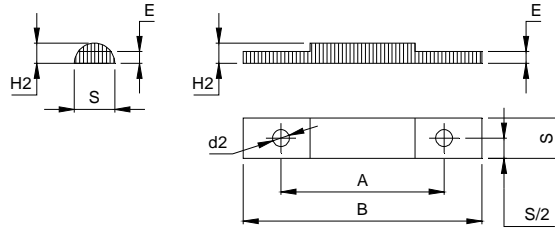
ISOLATED BUSHING



ISOLATED BUSHING (PTFE)

Can be installed from the top (through i-rod + structural support member, sleeve length / depth required increases), Vendor Advice

NON-GRIPPING HALF ROUND I-ROD THERMOPLASTIC PAD



PIPE SIZE		T max note 2	U-BOLT (NOTE 1)							NON-GRIPPING I-ROD (NOTE 1)					ISOLATED BUSHING (NOTE 1)				
inch	mm	mm	d1	A	H	L	H1	MAX. LOAD	B	S	H2	E	d2	d3	id3	I3	D3	t3	
1/2"	Ø21.3	10	1/4"	M6	31	80	180	60	220	60	20	10	5	9	8	6.1		12.2	2
3/4"	Ø26.7	10	1/4"	M6	37	84	190	60	220	70	20	10	5	9	8	6.1		12.2	2
1"	Ø33.4	10	3/8"	M10	47	87	200	60	550	76	25	12.5	6	13	12	10.1		24	2
1 1/2"	Ø48.3	10	3/8"	M10	62	102	240	64	550	102	25	12.5	6	13	12	10.1		24	2
2"	Ø60.3	10	3/8"	M10	74	114	270	64	550	114	25	12.5	6	13	12	10.1		24	2
2 1/2"	Ø73.0	16	1/2"	M14	91	133	320	76	1025	128	25	12.5	6	17	16	14.1	5	30	3
3"	Ø88.9	16	1/2"	M14	107	148	355	76	1025	152	25	12.5	6	17	16	14.1	to	30	3
4"	Ø114.3	16	1/2"	M14	132	173	420	76	1025	178	25	12.5	6	17	16	14.1	30	30	3
6"	Ø168.3	16	5/8"	M16	188	241	590	95	1640	230	25	12.5	6	19	18	16.1	(see	34.5	3
8"	Ø219.1	20	5/8"	M16	239	292	720	95	1640	280	25	12.5	6	19	18	16.1	requ.	34.5	3
10"	Ø273.1	20	3/4"	M20	297	351	870	102	2460	344	38	19	10	23	22	20.2	purc.	36	3
12"	Ø323.9	20	7/8"	M24	355	408	1015	108	3420	406	38	19	10	28	27	24.2	&	44	3
14"	Ø355.6	20	7/8"	M24	387	440	1100	108	3420	432	38	19	10	28	27	24.2	note	44	3
16"	Ø406.4	20	7/8"	M24	437	491	1230	108	3420	484	38	19	10	28	27	24.2	1, 2)	44	3
18"	Ø457.0	20	1"	M27	491	551	1380	121	4500	550	38	19	10	31	30	27.5		50	3
20"	Ø508.0	20	1"	M27	542	602	1510	121	4500	600	38	19	10	31	30	27.5		50	3
24"	Ø610.0	20	1"	M27	644	703	1770	121	4500	700	38	19	10	31	30	27.5		50	3
26"	Ø660.0	20	1"	M27	694	754	1900	121	4500	750	38	19	10	31	30	27.5		50	3
28"	Ø711.0	20	1"	M27	745	805	2030	121	4500	800	38	19	10	31	30	27.5		50	3

NOTES:

1. U-BOLT, NON-GRIPPING I-ROD AND ISOLATED BUSHING DIMENSIONS BE ONLY FOR REFERENCE, REFER PURCHASE REQUIREMENT FOR MORE INFORMATION, AND THESE DIMENSION SHALL BE CONFIRMED BY VENDOR.
2. WHERE SUPPORTING STEEL IS THICKER OR HEAVIER, DIMENSIONS "H" U-BOLT HEIGHT SHALL BE INCREASED ACCORDINGLY.
3. I-ROD ADHESIVE SHALL BE COMPATIBLE WITH MAXIMUM OPERATING TEMPERATURE AND SHALL BE SUPPLIED BY VENDOR.
4. INSTALLATION PROCEDURE SHALL BE FOLLOWED BY VENDOR.

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SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 1 Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan	Doc. No.	
	Rev.:	
Tender technical proposal shall be evaluated through 2 steps, detailed as below:		

Step 1	Evaluate compliance with prerequisites		
Index	Criteria	Evaluation Pass/Fail	Note
1	Year of Manufacture (Section 2.2 of Technical Requirement)		
2	Warranty (Section 2.3 of Technical Requirement)		
3	Valid certificate authorizing the usage of official Monogram API 5L, issued by API.		For group 1
4	Certificate: (section 8 of Technical Requirement) + Certificate of Origin + Certificate of Quality + Mill test certificate + Warranty certificate		



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 1 Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan	Doc. No.	
	Rev.:	

Step 2		Offers that are assessed as PASSING all the above prerequisites will be evaluated in step 2 - Scoring according to the following score table					
		Detailed scores of Technical evaluation for Step 2 described as table below					
Index	Criteria	Offers	Score				Note
			Level 1	Level 2	Level 3	Level 4	
			Score	%	%	%	
1		GENERAL REQUIREMENTS FOR GOODS					
	1.1	Scope of supply	10				
		Bidder fully indicates information about the quantity, the name, code, the manufacturer, origin of the goods.		100%			
		Bidder does not fully indicates informations about the quantities, the name, code, the manufacturer of the material.		0%			
2		TECHNICAL REQUIREMENTS OF GOODS	65				Assessment is carried out for each group
	2.1	Key Technical Requirements		70%			
	2.1.1	Dimension of goods			50%		
		Comply as required in Technical requirements				100%	
		Not in accordance with requirements				0%	R
	2.1.2	Form and Structure of the Goods			50%		
		Comply as required in Technical requirements				100%	
		Not comply with requirements				0%	R



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 1 Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan							Doc. No.	
							Rev.:	
	2.2		Other Technical Requirements		30%			
		2.2.1	Requirements for Manufacturing Materials			50%		
			Comply as required in Technical requirements				100%	
			Minor deviations, within the allowable range				10% ~ 90%	Note 1
			Not in accordance with requirements				0%	
		2.2.2	Manufacturing Standards			50%		
			Comply as required in Technical requirements				100%	
			Minor deviations, within the allowable range				10% ~ 90%	Note 1
			Not in accordance with requirements				0%	
3			TIME AND LOCATION OF DELIVERY	5				
	3.1		Delivery times		80%			
			Comply as required in Technical requirements				100%	
			Later than required in Technical requirements				60% ~ 90%	10% point deduction for each week of delay
			More than 4 weeks later than required in Technical requirements				0%	R
	3.2		Delivery address		20%			
			Comply as required in Technical requirements				100%	
			No commitment to delivery to address as requested				0%	



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 1							Doc. No.	
Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan							Rev.:	
4			ORIGIN OF GOODS AND MANUFACTURER		10			
	4.1		Origin of goods			70%		
			G7/ Russia/ EU				100%	
			Vietnam or from countries that are equivalent to or more developed than the countries/territories specified in the requirements				80%	According to the country and territory classification by international organizations such as the United Nations (UN), International Monetary Fund (IMF), World Bank (WB), and World Trade Organization (WTO)
			Does not meet any of the above-mentioned criteria				0%	
	4.2		Manufacturer			30%		
			The Manufacturer is included in the VSP's Manufacturers List or fully complies with the Technical Requirements.				100%	
			The Manufacturer offered is not included in the VSP's Manufacturers List; however, the Bidder has provided complete information on the manufacturer's capability, including catalogue, company profile, documents evidencing previous Similar Contracts meeting the requirements.				70%	
			Does not meet any of the above-mentioned criteria				0%	R



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 1 Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan							Doc. No.	
							Rev.:	
5			TECHNICAL DOCUMENTATION REQUIREMENTS	10				
	5.1		Technical documentation requirements at the tender stage		80%			
			Provide full documents as requirement			100%		
			Providing incomplete documents as requested but not affecting the assessment			10% ~ 90%	Note 1	
			Not providing documents as requirement			0%		
	5.2		Providing technical documentation upon delivery		20%			
			Provide full documents as requirement			100%		
			Not providing documents as requirement			0%		
6			TOTAL SCORES	100				



**SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 2, 6, 7, 8, 9, 10
Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026
plan**

Doc. No.

Rev.:

Tender technical proposal shall be evaluated through 2 steps, detailed as below:

Step 1	Evaluate compliance with prerequisites		
Index	Criteria	Evaluation Pass/Fail	Note
1	Year of Manufacture (Section 2.2 of Technical Requirement)		
2	Warranty (Section 2.3 of Technical Requirement)		
3	Technical documents, datasheets and calculations proving that the goods comply with VSP's datasheet requirements.		For item 137, 138 group 7
4	Certificate: (section 8 of Technical Requirement) + Certificate of Origin + Certificate of Quality + Mill test certificate (for group 2, 7, 8) + Warranty certificate		



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 2, 6, 7, 8, 9, 10
Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026
plan

Doc. No.

Rev.:

Step 2		Offers that are assessed as PASSING all the above prerequisites will be evaluated in step 2 - Scoring according to the following score table					
		Detailed scores of Technical evaluation for Step 2 described as table below					
Index	Criteria	Offers	Score				Note
			Level 1	Level 2	Level 3	Level 4	
			Score	%	%	%	
1		GENERAL REQUIREMENTS FOR GOODS					
		Scope of supply	10				
1.1		Bidder fully indicates information about the quantity, the name, code, the manufacturer, origin of the goods.		100%			
1.2		Bidder does not fully indicates informations about the quantities, the name, code, the manufacturer of the material.		0%			
2		TECHNICAL REQUIREMENTS OF GOODS	70				Assessment is carried out for each group
2.1		Key Technical Requirements		70%			
	2.1.1	Dimension of goods			50%		
		Comply as required in Technical requirements				100%	
		Not in accordance with requirements				0%	R
	2.1.2	Form and Structure of the Goods			50%		
		Comply as required in Technical requirements				100%	
		Not comply with requirements				0%	R



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 2, 6, 7, 8, 9, 10 Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan							Doc. No.	
							Rev.:	
	2.2		Other Technical Requirements		30%			
		2.2.1	Requirements for Manufacturing Materials			50%		
			Comply as required in Technical requirements				100%	
			Minor deviations, within the allowable range				10% ~ 90% Note 1	
			Not in accordance with requirements				0%	
		2.2.2	Manufacturing Standards			50%		
			Comply as required in Technical requirements				100%	
			Minor deviations, within the allowable range				10% ~ 90% Note 1	
			Not in accordance with requirements				0%	
3			TIME AND LOCATION OF DELIVERY	5				
	3.1		Delivery times		80%			
		3.1.1	Comply as required in Technical requirements				100%	
		3.1.2	Later than required in Technical requirements				60% ~ 90% 10% point deduction for each week of delay	
		3.1.3	More than 4 weeks later than required in Technical requirements				0% R	
	3.2		Delivery address		20%			
		3.2.1	Comply as required in Technical requirements				100%	
		3.2.2	No commitment to delivery to address as requested				0%	



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 2, 6, 7, 8, 9, 10							Doc. No.	
Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan							Rev.:	
4			ORIGIN OF GOODS		5			
	4.1		G7/ Russia/ EU			100%		
	4.2		Vietnam or from countries that are equivalent to or more developed than the countries/territories specified in the requirements			80%		According to the country and territory classification by international organizations such as the United Nations (UN), International Monetary Fund (IMF), World Bank (WB), and World Trade Organization (WTO)
	4.3		Does not meet any of the above-mentioned criteria			0%		
5			TECHNICAL DOCUMENTATION REQUIREMENTS		10			
	5.1		Technical documentation requirements at the tender stage			80%		
		5.1.1	Provide full documents as requirement			100%		
		5.1.2	Providing incomplete documents as requested but not affecting the assessment			10% ~ 90%		Note 1
		5.1.3	Not providing documents as requirement			0%		
	5.2		Providing technical documentation upon delivery			20%		
		5.2.1	Provide full documents as requirement			100%		
		5.2.2	Not providing documents as requirement			0%		
6			TOTAL SCORES		100			



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 3, 4, 5 Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan	Doc. No.	
	Rev.:	
	Tender technical proposal shall be evaluated through 2 steps, detailed as below:	

Step 1	Evaluate compliance with prerequisites		
Index	Criteria	Evaluation Pass/Fail	Note
1	Year of Manufacture (Section 2.2 of Technical Requirement)		
2	Warranty (Section 2.3 of Technical Requirement)		
3	Valid certificate authorizing the use of official Monogram API, issued by API.		For group 3 (except item 110, 111), item 112 group 4, group 5
4	Valid ASME certificate of authorization to apply the ASME Certification Mark		For item 113 group 4
5	Sizing sheet from manufacturer		For group 4
6	Certificate: (section 8 of Technical Requirement) + Certificate of Origin + Certificate of Quality + Mill test certificate + Warranty certificate + Hydrostatic testing and leak test certificate according to API 598 / API 6D standard (for group 3 except item 111, group 5) + Hydrostatic testing and leak test certificate (for item 112 group 4) + Testing certificate according to API 527 standard (for item 113 group 4) + FAT certificate (for group 5)		



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 3, 4, 5
Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan

Doc. No.	
Rev.:	

Step 2		Offers that are assessed as PASSING all the above prerequisites will be evaluated in step 2 - Scoring according to the following score table						
		Detailed scores of Technical evaluation for Step 2 described as table below						
Index	Criteria	Offers	Score				Note	
			Level 1	Level 2	Level 3	Level 4		
			Score	%	%	%		
1		GENERAL REQUIREMENTS FOR GOODS						
		Scope of supply	10					
1.1		Bidder fully indicates information about the quantity, the name, code, the manufacturer, origin of the goods.		100%				
1.2		Bidder does not fully indicates informations about the quantities, the name, code, the manufacturer of the material.		0%				
2		TECHNICAL REQUIREMENTS OF GOODS	65				Assessment is carried out for each group	
2.1		Key Technical Requirements		70%				
	2.1.1	Dimension of goods			50%			
		Comply as required in Technical requirements				100%		
		Not in accordance with requirements				0%	R	
	2.1.2	Form and Structure of the Goods			50%			
		Comply as required in Technical requirements				100%		
		Not comply with requirements				0%	R	



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 3, 4, 5 Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan							Doc. No.	
							Rev.:	
	2.2		Other Technical Requirements		30%			
		2.2.1	Requirements for Manufacturing Materials			50%		
			Comply as required in Technical requirements				100%	
			Minor deviations, within the allowable range				10% ~ 90%	Note 1
			Not in accordance with requirements				0%	
		2.2.2	Manufacturing Standards			50%		
			Comply as required in Technical requirements				100%	
			Minor deviations, within the allowable range				10% ~ 90%	Note 1
			Not in accordance with requirements				0%	
3			TIME AND LOCATION OF DELIVERY	5				
	3.1		Delivery times		80%			
		3.1.1	Comply as required in Technical requirements				100%	
		3.1.2	Later than required in Technical requirements				25% ~ 75%	25% point deduction for each week of delay
		3.1.3	More than 4 weeks later than required in Technical requirements				0%	R
	3.2		Delivery address		20%			
		3.2.1	Comply as required in Technical requirements				100%	
		3.2.2	No commitment to delivery to address as requested				0%	



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 3, 4, 5							Doc. No.	
Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan							Rev.:	
4			ORIGIN OF GOODS AND MANUFACTURER	10				
	4.1		Origin of goods		70%			
		4.1.1	G7/ Russia/ EU			100%		
		4.1.2	Vietnam or from countries that are equivalent to or more developed than the countries/territories specified in the requirements			80%		According to the country and territory classification by international organizations such as the United Nations (UN), International Monetary Fund (IMF), World Bank (WB), and World Trade Organization (WTO)
		4.1.3	Does not meet any of the above-mentioned criteria			0%		
	4.2		Manufacturer		30%			
		4.2.1	The Manufacturer is included in the VSP's Manufacturers List or fully complies with the Technical Requirements.			100%		
		4.2.2	The Manufacturer offered is not included in the VSP's Manufacturers List; however, the Bidder has provided complete information on the manufacturer's capability, including catalogue, company profile, documents evidencing previous Similar Contracts meeting the requirements.			70%		
		4.2.3	Does not meet any of the above-mentioned criteria			0%		R



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 3, 4, 5 Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan							Doc. No.	
							Rev.:	
5			TECHNICAL DOCUMENTATION REQUIREMENTS	10				
	5.1		Technical documentation requirements at the tender stage		80%			
		5.1.1	Provide full documents as requirement			100%		
		5.1.2	Providing incomplete documents as requested but not affecting the assessment			10% ~ 90%		Note 1
		5.1.3	Not providing documents as requirement			0%		
	5.2		Providing technical documentation upon delivery		20%			
		5.2.1	Provide full documents as requirement			100%		
		5.2.2	Not providing documents as requirement			0%		
6			TOTAL SCORES	100				



SCORE TABLE FOR TECHNICAL EVALUATION FOR GROUP 3, 4, 5
Materials for fabrication and connection Pig launcher/receiver Skid in accordance with the 2026 plan

Doc. No.	
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R (Required): Tiêu chí bắt buộc/ Required Criteria/ Обязательные критерии

Notes:

Đối với mỗi trường hợp "sai khác nhỏ" sẽ bị trừ 10%. "Sai khác nhỏ" được định nghĩa là không hoàn toàn tuân thủ đối với yêu cầu kỹ thuật nhưng chấp nhận được. (Kiểm tra đối với từng YCKT) / Each "minor concern" shall be minus 10%. "Minor concern" is defined as not fully comply to minor requirement but acceptable (check for each Requirement).

ĐÁNH GIÁ:

1. Chào hàng được đánh giá ĐẠT YCKT khi được đánh giá không vi phạm điều kiện tiên quyết, không có bất kỳ tiêu chí bắt buộc (R) nào được đánh giá 0 điểm và có tổng số điểm ≥ 80 điểm. / Technical offer is evaluated as PASS when it is evaluated as not violating the prerequisites, does not have any mandatory criteria (R) is evaluated 0 points and has a total score ≥ 80 points.
2. Chào hàng đánh giá KHÔNG ĐẠT YCKT khi vi phạm bất kỳ điều kiện tiên quyết nào hoặc bất kỳ tiêu chí bắt buộc (R) nào và/hoặc có số điểm < 80 điểm / Technical offers is evaluated as FAIL when it violate any of the prerequisites or any mandatory criteria (R) and/or have a score < 80 points

