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Statement of Work (SOW) for VAS-02 Spring Energized Metallic Seals

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Statement of Work for the Supply of Spring Energized Metallic Seals

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Change Log

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v2.0	Published	11 Nov 2024	1)Major rewrite to reflect purchase as a COTS and not per IO's Strategic Agreement/Technical spec., 2)Section 3, corrected CRL UID, 3) Added Section 4.2.2 Project Schedule
v1.0	Superseded	11 Nov 2024	clarify section 4.2 and 4.3 defining document deliverables, section 2 correct date error

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1 INTRODUCTION

ITER is an international research project with a programmatic goal of demonstrating the scientific and technological feasibility of fusion energy for peaceful purposes. The ITER device is being designed by the European Union, India, Japan, the People's Republic of China, the Republic of Korea, the Russian Federation, and the United States. The European Union is the host party for the ITER facility which is being constructed in Cadarache, France. The ITER Organization (IO) is responsible for the final design, performance parameters, procurement specifications, schedules, integration management, systems engineering, and component assembly, installation, testing, and commissioning. Governing regulations, codes, and standards for the design and construction of all ITER components are determined by the European Union and France. The US portion of ITER is managed by the US ITER Project Office (USIPO) which is hosted by Oak Ridge National Laboratory (ORNL) under contract with UT-Battelle, LLC (hereinafter referred to as the "Company"), and located in Oak Ridge, Tennessee. Responsibility for operating the completed ITER facility will belong to the IO.

Due to its unique nature, the ITER vacuum system requires non-standard vacuum flanges for interface boundaries. For Safety Important Components (SIC), ITER style flanges are required. These flanges contain two seals and a sampling/monitoring port between the seals to allow for active monitoring of the seal interspace. For Non-SIC systems, standard mating profile ISO and Con-Flat (CF) type flanges are used, however, as the code of construction for the ITER machine is ASME B31.3 and requires at a minimum schedule 40S pipe, the standard tube-based fittings/weld stubs cannot be used. Instead, a single machined piece, flange face and weld stub, is required, along with these commercially available spring energized metallic seals.

2 SCOPE

This Statement of Work (SOW) defines the activities to be performed by the Seller, consisting of the manufacture, preparation of required documentation packages, packaging, and preparation for delivery to the ITER site near Cadarache, France. The seals covered under this SOW are expected to be a commercially available solution.

3 APPLICABLE DOCUMENTS

Unless otherwise specified, the correct revisions of national standards, US ITER technical documents, drawings, specifications, or other job-related documents will be identified on the Current Reference List (CRL) for Spring Energized Metallic Seals (80754aed/ITER_D_CCEKQF).

3.1 References and Requirements

- 3.1.1 ITER Vacuum Handbook (ITER_D_2EZ9UM)
- 3.1.2 Order dated 7 February 2012 Relating to the General Technical Regulations Applicable to INB (ITER_D_7M2YKF)

3.2 US ITER Procedures and Forms

- 3.2.1 Contractor Release Note Procedure (8041191f)
- 3.2.2 Contractor Release Note Template (803f4967)
- 3.2.3 Deviation Request Procedure (803fee84)
- 3.2.4 Deviation Request Form (803f59df)
- 3.2.5 Non-Conformance Report Procedure (803f913f)
- 3.2.6 Non-Conformance Report Form (8043b412)
- 3.2.7 Procedure for Qualification of Commercial-Off-the Shelf Items in the ITER Project (ITER_D_4QPQRW)
- 3.2.8 EN 10204:2004, Metallic Products, Types of Inspection Documents

4 PERFORMANCE REQUIREMENTS

4.1 Performance Requirement 1 – Background Intellectual Property (BIP)

4.1.1 Definition

Background Intellectual Property is defined as *“Intellectual Property that has been or is acquired, developed or produced, before the entry into force of this Agreement, or outside the scope of this Agreement.”*

4.1.2 BIP Declaration

Any BIP applicable to hardware or deliverables within the scope of fulfillment of this SOW must be declared by the Seller prior to, or at the signature of, the contract / agreement to which this SOW is applicable.

4.1.3 COTS BIP Exception

For COTS items that qualify for exception to BIP requirements, the Seller is responsible for the submission of a COTS claim supported by evidence, such as catalogue numbers of applicable hardware, to the Company as

required by the *Procedure for Qualification of Commercial-Off-the Shelf Items in the ITER Project* [3.2.7].

Hardware included within this exception are defined as items that:

- Are of a type customarily used by the general public or entities;
- have been sold, leased, or licensed, or offered for sale, or license, to the general public in the commercial marketplace; and
- are without specific adaptation for the purpose of the ITER Project or without modification, in the same form in which they are sold in the commercial marketplace.

4.2 Performance Requirement 2 – Project Planning and Schedule

4.2.1 Project Kick-Off Meeting

- 1) The Project Kick-Off Meeting shall be scheduled at a mutually agreeable time as soon as practical after the award of the subcontract. The primary purpose of the Project Kick-Off Meeting is to meet the principal participants and to ensure the scope and expectations of the subcontract are understood.
- 2) Seller shall provide the Company with an outline of their pre-packaging, handling, and storage methods and show compliance with §2.2 of the ITER Vacuum Handbook: *Post Cleaning of Vacuum Components* [3.1.1] for the appropriate vacuum quality classification.
- 3) Discussion topics at the Project Kick-Off Meeting shall include:
 - Contents of the Procurement Package.
 - Discussion of Seller’s source for any COTS items procured.
 - Contents of Manufacturing Dossier.
- 4) If requested, the Seller shall arrange for a tour of the facility(s) where the equipment will be manufactured and validated.
- 5) The Seller shall prepare the Project Kick-Off Meeting Minutes within 5 working days of the meeting.

4.2.2 Project Schedule

- 1) The Seller shall provide a schedule update by the 20th of each month. The update shall include the following: Detailed discussion of the work performed in the previous month, and an estimation of the percentage complete of the overall project, and an estimate of date of completion for the next project milestone.

4.2.3 Point of Contact

- 1) The Seller shall designate an official single Point of Contact (POC) to work with the Company's Technical Project Officer (TPO) and Procurement Officer (PO).
- 2) Technical Issues shall be discussed with the Company's TPO.
- 3) Subcontract administration issues shall be discussed with the Company's PO.

4.2.4 Progress Meetings

- 1) The USIPO shall reserve the right to schedule progress meetings as needed to discuss any potential problems, resources, technical issues, contractual issues, or to discuss testing and validation if required.
- 2) The Seller shall prepare and send minutes of any teleconferences and meetings to the TPO for review and approval within 5 business days.

4.3 Performance Requirement 3 – Supply of Commercial Off-the-Shelf Items

For COTS items procured in fulfillment of this SOW, at a minimum, the documentation defined in §4.4.3 of this SOW shall be included as part of the Manufacturing Dossier. The Seller shall only procure COTS items from a company whose core business includes fabrication of vacuum equipment. US ITER shall approve any vendor proposed by the Seller to supply COTS items prior to Seller procurement.

The scope of this SOW is fulfilled by the supply of hardware as defined in Table 1 Hardware requirements.

4.4 Performance Requirement 4 – Documentation

The following documentation shall be issued to the USIPO for approval prior to shipment of the COTS items.

4.4.1 Contractor Release Note

- 1) Each delivery of hardware to the ITER site shall have a Contractor Release Note [3.2.1]. The Contractor Release Note (CRN) is a document that, for an equipment/service:
 - identifies the applicable requirements,
 - certifies that the equipment/service complies with these requirements,
 - records the status of the documentation, and
 - highlights any outstanding obligation.
- 2) The Company is responsible for obtaining IO approval. The equipment shall not be shipped until the CRN has been accepted by the Company. A standard form [3.2.2] is available from the Company

for documenting the CRN, but the Seller may propose an equivalent format, which must be accepted by the IO Quality Division.

- 3) The Seller shall not submit the Contractor Release Note until all manufacturing and inspection operations are signed and approved by the Company. Approval of the Contractor Release Note represents a Control Point.

4.4.2 Certificate of Conformity

- 1) The Seller shall prepare a Certificate of Conformity for the pumps. The Certificate of Conformity shall state that the items meet all requirements defined in this statement of work. The designated POC shall submit the completed Certificate of Conformity to the TPO. Once approved, the Certificate of Conformity shall be returned by the USIPO to the Seller for inclusion in the Manufacturing Dossier per §4.4.3.
- 2) The Seller may use any suitable format for the Certificate of Conformity. At a minimum, the Certificate of Conformity shall include:
 - Manufacturer's details (name, address, etc.)
 - Item identification details (model, serial number, etc.)
 - Declaration that the equipment meets the applicable requirements (specifically list requirements documents)
 - Any standards the item complies with
 - Signature of Sellers' authorized representative.

4.4.3 Manufacturing Dossier

A Manufacturing Dossier shall be compiled containing, at a minimum, a Certificate of Conformity (section 4.4.2), manufacturer's cut-sheet, and EN 10204 Type 2.1 certification [3.2.8] for all COTS items as defined in §4.3. All documentation included in the Manufacturing Dossier shall be the original copy of a document where applicable as described in 4.5.3.

4.5 Performance Requirement 5 – Data Management

4.5.1 Language and Units

- 1) All documentation submitted for satisfaction of this SOW shall be in the English language. Any supplemental documentation may be delivered in both English and French.
- 2) All dimensions and parameters shall be reported in SI units (e.g., mm, kg, N, MPa, °C) as the primary units.

4.5.2 Company Provided Information

Information provided by the Company to the Seller shall not be used for any activity except those specified by this Statement of Work.

4.5.3 Original Copies

The Seller shall keep and maintain the original copies of all signed documents. These copies shall be supplied to the Company as part of the Manufacturing Dossier. The Seller shall provide electronic copies of all documentation in searchable Portable Document Format (.pdf). Electronic documents shall be supplied to the Company using email, USB storage device, or file transfer tools such as the ORNL File Upload System, Drop Box, or other such electronic tool for securely transferring large files.

4.6 **Performance Requirement 6 – Packaging, Loading, and Storage**

4.6.1 Packaging

The Seller shall package and prepare each piece of equipment for shipment to the ITER site in Cadarache, France. The packaging shall protect the equipment from any conditions (e.g., shock, impact, weather, etc.) which could cause damage to the equipment resulting in nonconformity with applicable requirements. The seller shall provide a Package Design Document, which includes the proposed packaging design as well as analysis showing it can withstand air, land, and sea transport. The design shall include shock sensors or accelerometers. The Package Design Document must be approved by the Company prior to packaging or shipping.

The Seller is required to mark each package with the following:

- Subcontract number
- Delivery address
- Consignor (Seller's name, address, and contact information)
- Package number (as identified on the packing list)
- ITER Equipment Identification Number(s) (if applicable)
- Gross Weight (kg)
- Net Weight (kg)
- Handling instructions (in English and French)
- Lifting/Lashing/Jacking points
- Center of Gravity (in 3 dimensions)
- Compliance marks (e.g., ISPM-15, CE) (if applicable)

4.6.2 Loading

The Seller is required to load items to be transported onto the LSP conveyance (e.g., truck, van, trailer, vessel, ocean container, air freight container, rail car) at the factory. In doing so, Seller shall provide all

necessary and customary equipment, personnel, and safety equipment for proper loading into the vehicle.

4.6.3 Storage of finished Products

The Company, at its discretion, may require Seller to postpone the date of shipment by up to sixty (60) days from the agreed upon shipment. If the date of the shipment is postponed, the Seller shall, at no additional cost, store finished products in a safe and secure manner that protects their condition and preserves the integrity of all components and packaging. If the storage is required beyond sixty (60) days, Seller agrees to good faith negotiation of extended storage terms.

4.7 Performance Requirement 7 – Creation and Submittal of Pre-shipment Documentation

NOTE: All documentation must be completed in the English language.

The Seller shall provide information and documentation required for international shipment in accordance with the following schedule:

4.7.1 Pre-shipment Deliverable Package No. 1

A pre-shipment Deliverable Package shall be provided by the Seller no later than *10 business days after the Project Kick-off Meeting*.

Pre-shipment Deliverable Package #1 is to contain the following items:

- 1) Written notice of the planned date on which the goods will be packaged and available for shipment.
- 2) Contact information for Seller's Shipping/Logistics coordinator.
- 3) Technical characteristics of the packaged components as follows:
- 4) Physical data and drawings showing dimensions, total and distributed weights, center of gravity (in 3 dimensions), shipping orientation;
- 5) Address of the location where items are to be picked up by the LSP.
- 6) Documentation (e.g., Material Safety Data Sheet) regarding relevant compliance regimes, such as Export Control, Transportation of Dangerous Goods, and Environmental Protection;
- 7) Identification of any items that have been identified as Safety Important Components (SIC) or Protection Important Components (PIC).
- 8) Conditions or precautions to be respected when moving, loading/offloading, handling/slinging, and storing/marshaling to include, when required, specific provisions and controls to be performed and recorded while under the control of the LSP;
- 9) Documentation confirming that packaging is designed to protect components from damage and contamination, considering anticipated

environmental conditions and multimodal (e.g., highway, ocean) handling/transit accelerations;

- 10) Packaging specification including confirmation of compliance with international packing standards (e.g., International Standard for Phytosanitary Measures (ISPM)-15, Conformance Européenne/CE certification for relevant package lifting appurtenances such as eyes/rings), agree barcoding requirements and regulations relating to packaging materials used. **NOTE: All packaging using wood products must comply with the requirements of ISPM-15;**
- 11) Definition of packaging/frame, when the components are packed or tarped, including any particular procedures for handling, moving, clean-up, maintenance, storage;
- 12) Specification for securing and hanging packages/frames including jacking/lifting/lashing conditions, procedures, and acceptable securing points;
- 13) Identification of specialized equipment/hardware (e.g., custom lifting fixture) interface requirements between each point of use within the supply chain. **NOTE: any specialized packing/handling frame or tool should be detailed in drawings, meet relevant domestic and international requirements (e.g., Occupational Safety and Health Administration, CE), and is subject to approval by LSP.**
- 14) Description of Interface between Seller and LSP (e.g., release conditions for loads, Seller's loading means, etc.);
- 15) Technical data concerning monitors (e.g., shock, vibration, tilt, acceleration, temperature) utilized to detect events during transit which may cause damage to components.

4.7.2 Pre-Shipment Deliverable Package No. 2

Pre-Shipment Deliverable Package #2 is to be provided no later than ninety (90) days prior to planned date of shipment.

Pre-shipment Deliverable Package #2 is to contain the following items:

- 1) Written confirmation of the date goods will be ready for shipment or submit revised shipment date for approval.
- 2) Contact information for Seller's Shipping/Logistics coordinator
- 3) Fabrication value of goods (for insurance purposes-should not include destination site support services)
- 4) Transport drawings with sufficient detail to facilitate lifting / lashing / stowage and approval of the operators (e.g., steamship line, air carrier).
- 5) The following business documents (in English language):

a) **Pro-Forma**/commercial invoice on Seller's letterhead listing at a minimum:

- Subcontract number
- Description and quantity of goods
- Value of goods
- Incoterm 2010 rule
- Schedule B number (for U.S. exports) or Harmonized System code
- Country of origin
- Export control determinations (e.g., "ECCN: EAR99, No Export License required")
- **Consignee: Note – If shipped to the ITER site, use the address below:**

ITER Organization
Route de Vinon sur Verdon, CS90 046
13067 St. Paul lez Durance CEDEX, France
Contact: Yanchun Qiao (+33-4-42-17-62-57;
Cell: +33-6-26-31-29-96) Yanchun.Qiao@iter.org

- **Duty Free Declaration**

Shipments on behalf of the ITER International Fusion Energy Organization ("ITER Organization") for its official use are eligible to duty-free customs clearance under the Agreement on the Privileges and Immunities of the ITER International Fusion Energy Organization for the Joint Implementation of the ITER Project, done in Paris on 21 November 2006 and ratified, accepted and approved by the People's Republic of China, EURATOM (for the European Union and Switzerland), the Republic of India, Japan, the Republic of Korea and the Russian Federation. DIPLOMATIC SHIPMENT on behalf of the ITER Organization. FOR DUTY-FREE CUSTOMS CLEARANCE.

- **Consignor** (Seller's name, address, and contact information)

b) Itemized packing list on Seller's letterhead detailing the following at a minimum for each package:

- Subcontract Number
- Package number (sequential number assigned to each package.
- Package type (e.g., wooden crate, item on pallet, etc.)

- Seller's equipment/component identification number(s)
- ITER Equipment Identification Number(s) (if applicable)
- Item Description
- Quantity of each item
- Gross Weight (kg)
- Net Weight (kg)
- Dimensions (cm)
- Volume (m³)
- Special Handling Instructions
- Storage Instructions (e.g., indoor, conditioned space)
- **Declaration of Integrity**

The undersigned hereby certifies that the components and package(s) described on this Packing List meet the contractual requirements with the exception of any approved deviations and non-conformance reports specified in the associated documentation.

NOTE: The invoice, packing list and other documents, where appropriate, must be acceptable to the country's Customs agency. The LSP shall review submitted documents and request amendments where required. If amendments are requested, Seller must update and submit revised documents within seven (7) days.

- c) Export Control License(s) or other authorized documents if required.

4.7.3 Pre-Shipment Package No. 3

Pre-Shipment Deliverable Package #3 is to be provided no later than two weeks prior to planned date of shipment.

Pre-shipment Deliverable Package #3 is to contain the following items:

1. Evidence of appropriate proof testing and certification for any custom lifting apparatus that will travel with the item and be utilized during loading and unloading operations.

4.7.4 Pre-Shipment Package No. 4

Pre-Shipment Deliverable Package #4 is to be provided no later than one week prior to planned date of shipment.

Pre-Shipment Deliverable Package #4 is to contain the following:

1. Any remaining information needed to facilitate appropriate completion of transport documents such as Bills of Lading or Air Waybills.
2. Data elements and authorizations (e.g., Shipper's Letter of Instruction, Power of Attorney) required for LSP submission of electronic filings in the Automated Export System (AES) when necessary.
3. Dangerous Goods Declaration if required for Transport.

4.7.5 Package Marking

The Seller is required to mark each package with the following:

- Subcontract number
- Delivery address
- Consignor (Seller's name, address, and contact information)
- Package number (as identified on the packing list)
- ITER Equipment Identification Number(s) (if applicable)
- Gross Weight (kg)
- Net Weight (kg)
- Special Handling Instructions
- Lifting/Lashing/Jacking points
- Center of gravity (in 3 dimensions)

4.7.6 Deviations from Planned Date of Shipment

Seller shall immediately notify the TPO and procurement Officer, in writing, of any actual or potential change to the agreed-upon date of shipment.

5 **QUALITY ASSURANCE**

5.1 **Conflicts**

In the event of a conflict between the Statement of Work and a requirement in a specified code or standard, the Seller shall notify the Company's TPO and PO in writing. The TPO and PO will determine which document takes precedence and advise the Seller accordingly. Failure to notify the Company of any such conflict shall not relieve the Seller of any responsibility to meet all requirements.

5.2 **Quality Program**

For the procurement of COTS items, the Seller's Quality Program shall be implemented and sufficient to ensure that the quality of items produced, or services provided, will meet all the requirements as stated in this document and

as contracted. The Seller must produce the items or services in accordance with their quality assurance program as identified in their subcontract with the Company. Changes to the program that could affect the items or services must be approved by the Company in advance.

5.3 Access for Source Surveillance Inspections

As part of the Company's quality assurance program, source surveillance activities may be conducted at the Seller's facility or any sub-tier seller facility that the Company determines necessary to ensure quality objectives are met. Representatives of the Company, US Department of Energy, or other ITER-affiliated organizations (e.g., IO) may accompany the source surveillance team and inspectors as observers. Such surveillance may include auditing and monitoring of production processes, in-process inspection and controls, chemical or physical certifications, final inspection and tests, preparation for shipment, and review of certification data. The Seller shall provide the source surveillance team and inspectors, including observers, access to all data and operating areas pertinent to the subcontract without exception. Source surveillance by the Company representatives, source surveillance team, or inspectors shall not constitute equipment acceptance by the Company and shall in no way relieve the Seller of the responsibility to furnish acceptable items.

To ensure the safety of Company's representatives and observers that visit the Seller's facilities, the Seller shall provide relevant information about their facility safety procedures including, for example, safety glasses, hearing and respiratory protection, emergency preparedness, rally point, and general safety rules. Upon arrival, the Seller shall review typical workplace hazards with the representatives and discuss the applicable facility safety procedures.

5.4 Seller Requested Deviations

The Seller may propose deviations from the specifications, drawings, or other technical or administrative requirements of this procurement, via the Deviation Request Procedure [3.2.3]. Where time is a consideration, the Seller may communicate the proposed deviation directly to the TPO (via e-mail correspondence), with a copy to the Company's Procurement Officer. The request should identify the affected items, drawing/specification number and revision number, a description of the proposed deviation, and the engineering justification for it. A form is provided to assist the Seller in requesting a Deviation from the company [3.2.4]. The Company's TPO will evaluate the technical aspects and document a recommendation (cannot be verbal) to the Procurement Officer, who will communicate acceptance or disapproval to the Seller. Note, the acceptance of a deviation request in no way limits or affects the warranty provision of the subcontract. Such a request shall not establish a precedent or obligation to accept existing or future items not conforming to all provisions of the subcontract.

5.5 Non-Conformance reports (NCR)

The Company expects to receive equipment items, components, materials, software, and documentation that conform to all codes, standards, specifications, and procedures in the subcontract. When a nonconforming condition is identified, the Seller shall follow the US ITER Nonconformance Report Procedure [3.2.5] to control the nonconforming item or process, document the condition and bring the issue to closure.

The Seller shall:

- 1) Identify and segregate, when practical, the non-conforming item.
- 2) Stop any further work on the item until a decision is made,
- 3) Provide written notification of the discovered nonconformance and the discovery date (via email, copy of internal NCR form, US ITER NCR form partially filled out) to the TPO, with a copy to the Procurement Officer and QARO, as soon as possible but no longer than five (5) business days from discovery.
- 4) After the discovery process is complete, provide any additional details, proposed dispositions, and justifications (as necessary) to the Company in a Nonconformance Report using US ITER's Non-Conformance Report Form [3.2.6].

Two categories of nonconformances are considered: Major and Minor. The categorization will be made by the Company with concurrence from the IO Technical Responsible Officer. Generally, a Major nonconformity is one that could affect a critical requirement, such as performance, safety, reliability, operability, traceability, interchangeability, or regulatory requirements. Minor nonconformances normally are those with no such impact.

Major Non-Conformance: Nonconformances identified as Major will require completion of a Root Cause Analysis (RCA). Following the RCA, the proposed remedial action for a major nonconformance shall be implemented only after written acceptance from the Company.

Minor Non-Conformance: If the Company decides the non-conformance is not a major non-conformance, the Seller shall take actions to resolve the non-conformance within its own quality system. However, the remedial action may only be implemented following written approval by the company.

Examples of minor nonconformances could include (but are not limited to) the following:

- Failure to adequately complete an administrative process (e.g., document review & approval matrix) that does not affect the quality of final product.

- Flow controller accuracy range not consistent with manufacturer's data sheet, but data was correctable after calibration of the device.

The report should contain or refer to all relevant material available to enable an informed decision on the definite course of action to be taken. Note, the issuance and acceptance of a nonconformance report in no limits or affects the warranty provision of the subcontract. Such a request shall not establish a precedent or obligation to accept existing or future items not conforming to all provisions of the subcontract.

5.6 French Order of 7 February 2012 (INB regulation)

The ITER facility is an INB (Installation Nucléaire de Base – Basic Nuclear Installation) in France. The Spring Energized Metallic Seal is classified as SIC-1 for confinement of radioactive products and is therefore a Protection Important Component (PIC) subject to INB regulations as expressed in the French Order of 7 February 2012 [3.1.2]. However, the quality and technical requirements necessary for the manufacturer to satisfy INB regulations are embedded within the manufacturers Technical Specification and this Statement of Work.

6 DELIVERABLES

The following deliverables shall be submitted according to a timeframe which supports the approved schedule for this work and subcontract closeout.

6.1 Hardware

The order quantity for each COTS Spring Energized Metallic Seal is defined in Table 1 Hardware Deliverables.

Table 1. Hardware Deliverables

Hardware Deliverable (HD)	Description	Drawing	Technetics Part Number	Qty
HD1	Helicoflex HND 229 – DN065	111-0081957	211439	1545
HD2	Helicoflex HND 229 – DN100	111-0081957	224803	540
HD3	Helicoflex HND 229 – DN150	111-0081957	211440	810
HD4	Helicoflex HND 229 – DN250	111-0081957	224805	345

6.2 Documentation

The following deliverables shall be submitted according to a timeframe which supports the approved schedule for this work and subcontract closeout.

Table 2. Documentation Deliverables

Document Deliverable (DD)	Document Name	Referenced Section
DD1	Background Intellectual Property (BIP) Declaration	4.1
DD2	Project Kick-Off Meeting Minutes	4.2.1
DD3	Contractor Release Note (CRN)	4.4.1
DD4	Certificate of Conformity	4.4.2
DD5	Manufacturing Dossier	4.4.3
DD6	Package Design Documentation	4.6.1
DD7	Pre-Shipment Packages 1-4	4.7.1 - 4.7.4

7 ACRONYMS

BIP	Background Intellectual Property
COTS	Commercial Off-the-Shelf
CRN	Contractor Release Note
IO	ITER Organization
ISPM	International Standard for Phytosanitary Measures
LSP	Logistics Service Provider
NCR	Non-Conformance Request / Report
NEG	Non-Evaporable Getter
ORNL	Oak Ridge National Laboratory
PIC	Protection Important Component
POC	Point of Contact
RCA	Root Cause Analysis
QARO	Quality Assurance Responsible Officer
SIC	Safety Important Component
SOW	Statement of Work
TPO	Technical Project Officer
USIPO	US ITER Project Office