**(DRAFT) SERVICE CONTRACT**

**“Expertise Support in the Area of Particle and Surface**

**Interactions Aiming to Port Plug Design and Integration”**

CONTRACT NUMBER – [IO/19/CT/SAP number]

The ITER International Fusion Energy Organization, hereinafter referred to as "the ITER Organization", represented by the Director-General, who is represented for the purposes of the signature of this Contract by William De Cat, Section Leader for Procurement Construction, Assembly & Logistics Section

on one part,

and

[official name in full]

[*official legal form*]

**[***statutory registration number***]**

[official address in full]

[*VAT registration number*]

(hereinafter referred to as "the Contractor"), represented for the purposes of the signature of this Contract by [name in full and function,] *duly authorized to sign on behalf of the Company (or the members of the consortium).*

on the other part,

HAVE AGREED

the **Special Conditions** and the following Annexes:

**Annex I** General Conditions for ITER Organization Service Contracts (“the General Conditions”)

**Annex II** Technical Specifications ITER\_D\_ YUXTLV V1.0 dated 26 June 2019

**Annex III** Contractor's Offer (No [*complete*] of [*complete*])

**Annex IV** ITER Organization Internal Regulations concerning work on site (applicable to a Contract or working at ITER)

link <http://www.iter.org/org/team/adm/proc/generalinfo>

**Annex V** Contract or Safety Management Procedure related to ITER

link <http://www.iter.org/org/team/adm/proc/generalinfo>

which form an integral part of this Contract (hereinafter referred to as “the Contract ”).

The terms set out in the Special Conditions shall take precedence over those in the other parts of the Contract. The hierarchy of documents shall follow the numbering of the Annexes. Thus the terms set out in the Annex I shall take precedence over those in Annexes II, III, etc...

Subject to the above, the documents forming part of the Contract are to be taken as mutually explanatory. Ambiguities or discrepancies within or between these documents shall be explained or rectified by a written instruction issued by the ITER Organization, subject to the rights of the Contract or under Article 33 of the Annex I should the Contractor dispute such instruction.

**I – Special Conditions**

**Article I.1 - Subject**

**I.1.1.** Thesubject of the Contract is to provide expertise support in the area of particle and surface interactions aiming to port plug design and integration

**I.1.2.** The Contractor shall execute the tasks assigned to him in accordance with the Technical Specifications and Contractor’s offer annexed to the Contract (Annexes II and III respectively).

**Article I.2 – Duration, ENTRY INTO FORCE and PERFORMANCE OF SERVICES**

**I.2.1.** The Contract shall enter into force on the date on which it is signed by the last contracting party. Provision of the services may under no circumstances begin before the date on which the Contract enters into force.

**I.2.2.** The services shall be delivered according to the schedule provided in Article I.5.2.

The delivery dates provided in Article I.5.2 shall not be extended without a formal confirmation letter issued by the ITER Organization or written amendment. This extension shall not be considered as a waiver of liquidated damages unless so specifically mentioned in the extension.

**I.2.3.** All periods specified in the Contract are calculated in calendar days. The Provision of the services shall start from the date of entry into force of the Contract.

**Article I.3 – VALIDITY**

Notwithstanding termination of the Contract, its provisions shall continue to bind the Parties in so far and for as long as may be necessary to give effect to their respective rights and obligations.

**Article I.4 – CONTRACT PRICE**

**I.4.1**. The maximum amount to be paid by the by the ITER Organization under the Contract shall be EUR [amount in figures and in words] excluding VAT, covering all services provided. The ITER Organization shall not accept liability for any expenditure beyond the aforementioned maximum amount.]

**I.4.2** This amount is further broken down as indicated below I.5.2.

**Article I.5 – Payment FORMALITIES AND PERIOD**

**I.5.1.** Payments shall be executed only if the Contract or has fulfilled his contractual obligations by the date on which the invoice is submitted by the Contractor to the ITER Organization.

The payment execution due date is thirty (30) days after receipt of a correctly rendered invoice and all necessary supporting documents. If the acceptance of a deliverable by the ITER Organization is a condition for payment, the 30 days due date starts after the ITER Organization has:

(i) accepted the deliverable(s) and

(ii) received a correctly rendered invoice.

**I.5.2.**  The payment and delivery schedule is the following:

| **D#** | **Article Description**  **In accordance with sections 8 of the Technical Specification**  **ITER\_D\_YUXTLV dated 26 June 2019** | **Due Delivery Date** | **PRICE**  **(EUR)** |
| --- | --- | --- | --- |
| D1 | Engineering conservative assessment of tritium adsorption and retention in B4C and SS shielding blocks based on MCNP calculations of  and  emission from port plug elements. Comparison of tritium trapping in B4C and SS in port plugs. Recommendations (on demand of IO CT) on tritium retention/adsorption mitigation measures. | T0\*+ 3 Month |  |
| D2 | Assessment of mirror duct shape (DFW cutout) influence on deposition on first mirror. Revealing of the dependence of first mirror deposition non-homogeneity on mirror angular position. Produce dedicated technical report. | T0 + 6 Months |  |
| D3 | Consideration of CXN and sputtered atoms reflection on the walls of mirror duct and its inclusion into report as by D2.  Consideration of angular orientation (from 0 to 90 with respect to duct axis) of CXN flux. Provide parametric (angular, reflection, impurity concentration, sputtering yield, geometry) study of particle flux to the mirror.  Providing engineering recommendations (put in the dedicated report) supported by conclusions from previously produced report(s) on mirror duct shape. | T0 + 8 Months |  |
| D4 | Update report(s) produced in D1, D2, D3, D4 accordingly to reviewer’s comments.  Update first mirror related documents affected by results obtained in D1 – D4 and accordingly to reviewer’s comments.  Provide minutes of the progress and technical minutes. | T0 + 8 Months |  |
| **MAXIMUM TOTAL PRICE (EUR)** | |  |

\*: T0 is the date of the kick off meeting which will take place within one month after the signature of the Contract.

**Article I.6 – BANK ACCOUNT**

Payments shall be made to the Contractor’s bank account denominated in the Contract’s currency, identified in the duly filled Financial Identification Form. The Financial Identification Form shall be provided by the ITER Organization in a timely manner.

It is the Contractor’s obligation to return this form to the ITER Organization in a timely manner. No payments can be made until the ITER Organization is in possession of this document.

**ARTICLE I.7 – GENERAL ADMINISTRATIVE PROVISIONS**

Any communication relating to the Contract shall be made in writing and shall bear the Contract reference. Ordinary mail shall be deemed to have been received by the ITER Organization on the date on which it is registered by the responsible Department indicated below.

Communications shall be sent to the following addresses:

1. **ITER Organization:**
2. Technical Content

ITER Organization

*Name of Responsible Officer*

Route de Vinon sur Verdon, CS 90 046,13067 Saint Paul Lez Durance, France

Email :

Tel :

1. Contractual Content

ITER Organization

*Name of Procurement Officer*

Procurement and Contracts Division / *CAL or EPS*

Route de Vinon sur Verdon, CS 90 046, 13067 Saint Paul Lez Durance, France

Email :

Tel :

1. Financial

ITER Organization

Finance and Budget Division / ATS

Route de Vinon sur Verdon, CS 90 046, 13067, Saint Paul Lez Durance, France

Email : accounting@iter.org

Tel :

1. **Contractor:**
2. Technical Content

Mr/Mrs/Ms [complete]

**[**Function**]**

**[***Company name***]**

**[**Official address in full**]**

Email :

Tel :

1. Contractual Content

Mr/Mrs/Ms [complete]

**[**Function**]**

**[***Company name***]**

**[**Official address in full**]**

Email :

Tel :

1. Financial

Mr/Mrs/Ms [complete]

**[**Function**]**

**[***Company name***]**

**[**Official address in full**]**

Email :

Tel :

**Article I.8 – PRIVILEGES AND IMMUNITIES**

Nothing in or relating to this Contract shall be deemed a waiver, express or implied, of any of the privileges and immunities of the ITER Organization, its staff, experts and the representatives of the ITER Members.

**Article I.9 – SAFETY and SITE ACCESS**

**I.9.1.** The Contract or shall be responsible for the observance by himself, his employees and sub-contractors of all safety precautions necessary for their protection and the protection of any other persons, including all precautions required to be taken by or under or pursuant to any applicable legislation. For the avoidance of doubt this includes the ITER Organization Internal Regulations concerning Work, Health, Safety and Security for persons undertaking activities on the ITER Site (see Annex IV), the Contract or Safety Management Procedure related to ITER (see Annex V).

**I.9.2.** The Contractor shall adhere to the site access procedure when entering the ITER Site. The ITER Organization shall provide the Contract or with any necessary information and documentation for site access.

**Article I.10 – Other Special Conditions**

**I.10.1** The conditions in Aricle 2 of the Annex I are replaced with the following:

**2.1** The ITER Organization is governed by its constitutive agreements, the Agreement on the Establishment of the ITER International Fusion Energy Organization for the Joint Implementation of the ITER Project and the Agreement on the Privileges and Immunities of the ITER Organization both signed on 21 November 2006.

**2.2** Without prejudice to the ITER Organization’s status, the contract shall be governed in accordance with its true meaning and effect.  
Subsidiarily, reference to French law shall be made for, and only for:

1. the interpretation of a contract provision when such provision is ambiguous or unclear, in which case, such interpretation shall only be made for said provision, and not in respect of the contract as a whole;  or
2. when specific provisions of French law are of overriding mandatory effect.

**2.3** The language used shall be English.

**I.10.2**Article 8.2 of Annex I: The period of time in which to approve the report is 20 calendar days.

**SIGNATURES**

|  |  |
| --- | --- |
| For the Contractor,  [*Company name*/forename/surname/function]  Signature[s]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | For the ITER Organization,  William De Cat Section Leader  Procurement Construction, Assembly & Logistics Section  Signature[s]:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Done at [ ],  Date: | Done at St. Paul Lez Durance ,  Date: |

In duplicate in English.