***Neutronic Analysis of ITER Diagnostics and Port Integration Systems***

***FINANCIAL OFFER***

All prices shall be in Euros net of all duties and taxes. As an international organisation the ITER Organization is exempt from all taxes and duties. Applicable taxes (if any) shall be shown separately.

The **Financial Offer** shall be submitted in the basis of the following:

Having examined all the Documents attached to this Request for Quotation, including the Scope of Services and the Technical Specification for the performance of the Services, and having examined all conditions and factors which might in any way affect the cost or time of performance thereof, we the undersigned, offer to complete the Services upon the terms and conditions set forth in the Proposal Documents for the following price:

**Total Contract Price for the Firm part: EUR\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **D** | **Description in Technical Specifications ITER\_D\_WFBM9E v1.1 dated 27 April 2018** | **Date** | **Price (EUR)** |
| --- | --- | --- | --- |
| D1 | Completion of MCNP model of EQ#8 Equatorial Port Plug (based on new DSM), Port Interspace and Port Cell. Global analysis of radiation features. Evaluation of the neutron/gamma fluxes and spectra as well estimation of the SDDR. Optimization of materials with low activation and high shielding characteristics. Dose rate evaluation during plasma operation. Evaluation of final activation level for Radwaste. | T0\* + 3 months |  |
| D2 | Completion of MCNP model of 55 EC CXRS Edge Diagnostics in Equatorial #3 Port Plug (based on new DSM), Port Interspace. Global analysis of radiation features. Evaluation of the neutron/gamma fluxes and spectra as well estimation of the SDDR. Optimization of materials with low activation and high shielding characteristics. Dose rate evaluation during plasma operation. Evaluation of final activation level for Radwaste. | T0 + 6 months |  |
| D3 | MCNP Modelling and calculations/analyses for Diagnostic systems in various ports (55BE Tangential Neutron  Spectrometer, 55 EE Hard X-ray Spectrometer). Evaluation of neutron/gamma fluxes and spectra. Optimization of materials with low activation and high shielding characteristics. Dose rate evaluation during plasma operation and shutdown. Evaluation of final activation level for Radwaste. | T0 + 9 months |  |
| D4 | MCNP Modelling and calculations/analyses for Diagnostic systems in various ports (55B7 Radial gamma Rays Spectrometers, 55BB High Resolution Neutron Spectrometers). Evaluation of neutron/gamma fluxes and spectra. Optimization of materials with low activation and high shielding characteristics. Dose rate evaluation during plasma operation and shutdown. Evaluation of final activation level for Radwaste.  -- Executive summary of the performed activities and to draft next steps of engineering, project and integration design, for support to the Port Plug Diagnostics Division | T0 + 12 months |  |
|  | **TOTAL FIXED PRICE (EUR)** | |  |

\*T0 = date of contract signature

The price is fully inclusive of the costs for deliverables, attendance to the meeting(s), reporting as required in the Technical Specifications. Also it includes all expenses that are necessary to deliver the services including travel, accommodation, daily subsistence allowances (all if applicable) and any other conceivable expenses that are required to successfully complete the work.

In addition to completing this financial template please submit your technical offer / management plan containing the relevant details of how you will carry out this work.

Signature:

Date:

***COST BREAKDOWN TABLE***

In addition to providing your price for the deliverable in the table above please could you provide a cost breakdown of the manpower and/or other resources you intend to provide to complete this work. Your cost breakdown should be based on the current fee rates that are applicable to the framework contract for which this task request relates. The table below is an example, however you can provide your own version or expand on the table below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Description / profile**  **(Manpower)** | **Rate in €**  **incl all Costs** | **Rate in €**  **incl all Costs** | **Workload (Days)** | **Workload (Days)** | **Total €** |
| On Site | Off Site | On Site | Off Site |  |
| D1 |  |  |  |  |  |  |
| D2 |  |  |  |  |  |  |
| D3 |  |  |  |  |  |  |
| D4 |  |  |  |  |  |  |
|  | **TOTAL** |  |  |  |  |  |

Fee rates must include all expenses that are necessary to deliver the services including travel, accommodation, daily subsistence allowances and any other conceivable expenses that are required to successfully complete the work.

***NB:*** The cost breakdown table should be signed, dated and submitted separately from the table of deliverables.

Signature:

Date: