**DOE/NRC Collaboration for Criticality Safety Support for Commercial-Scale**

**HALEU Fuel Cycle and Transportation (DNCSH)
Proposal Template for Experiment and Analysis Work Packages**

1. **Proposal Information**

|  |  |
| --- | --- |
| **PI Name** |  |
| **PI Email** |  |
| **PI Institution** |  |
| **Primary Topic Area** |  |
| **Experimental Facility** *(if applicable)* |  |
| **Title** |  |
| **Team Member Names and Institutions** |  |
| **Length of proposed work** *(# of years)* |  |
| **Total Budget** *(all years and all collaborators)* |  |

**2.0 Short Description** – 2 – 3 sentences describing your proposal, specifying the validation gap it fills in terms of topic area descriptions in the call.

**3.0 Long Description** – no more than 2 pages *(concise description of work, including whether it’s a benchmark of a new experiment or benchmark of an existing experiment, or other measurement; the gap that it fills in criticality safety validation basis for commercial-scale HALEU operations; the facility in which it will be executed; supporting calculations; industry partner(s) that will specifically benefit; and major expected risks*).

**4.0 Milestones and Deliverables** for each year, as applicable (*include specific, measurable milestones and deliverables, when the experiment will be executed and when it will go to the ICSBEP technical review group. Note, the ICSBEP technical review group meets in March/April of each year, meaning the majority of the benchmark work needs to be completed and through internal and external review by February).*

**5.0 Preliminary Procurement Plan** with materials/equipment broken down by year. The DNCSH management will not procure new fuel for this call. Any materials must be procured by the project team and should be listed with approximate costs in this procurement plan.

**6.0 Budget** for each year, *provide realistic out year budget projections*.

**Example Format per Proposal**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Task List** | **2024** | **2025** | **2026** | **2027** | **Total Cost by Task** |
| Task #1 | $100k0.2 FTE | $200k0.3 FTE |  |  | $300k |
| Task #2 |  | $700k1.2 FTE |  |  | $700k |
| Task #3 |  |  | $250k0.4 FTE | $50k0.2 FTE | $300k |
| **Total Cost by Year** | **$100k** | **$200k** | **$250k** | **$50k** | **$1300k** |

**7.0 References (if applicable)**

**8.0 Industry Letters (if applicable)**

**9.0 CV of all Team Members**