**TECHNICAL QUESTIONNAIRE**

**REF. IO/MSY/21/MTT/PMT**

**MULTI-SPINDLE TOOL**

**FOR TIGHTENING M110/M80 SUPERBOLTS®**

***Firms interested in participating to this market survey shall return a completed questionnaire to the following email address*** [***philippe.mousset@iter.org***](mailto:philippe.mousset@iter.org) ***, no later than Monday 21 June 2021.***

***Please note that this is not a Call for Nomination request. At this moment the ITER Organization (IO) is preparing a contract and procurement strategy for this project.***

***For all questions in the document, please refer to the ITER Market Survey Technical Requirements ref. ITER\_D\_54TUDA version v1.1 dated 07 June 2021.***

# *General information about the Company / Institute compiling the questionnaire*

**Company Name**: …………………….

## *Persons to be contacted:*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Contact person*** | ***Name + Title*** | ***Email address*** | ***Telephone*** |
| ***Commercial Matters:*** |  |  | + |
|  |  |  |  |
| ***Technical Matters:*** |  |  | + |
|  |  |  |  |

***Main activities***

|  |  |
| --- | --- |
| ***Main activities*** | ***Description*** |
|  |  |
|  |  |
|  |  |
| ……………………. |  |

***Turnover***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Contact person*** | ***Turnover***  ***2018*** | ***Turnover***  ***2019*** | ***Turnover***  ***2020*** | ***Number of employees*** |
| **All activities** |  |  |  |  |
| ***In the field of*** *Multi-Spindle Tools*  *(development and manufacturing)* |  |  |  |  |

# *Technical Competence and Experience*

* 1. ***Do you have any experience to supply Multi-Spindle Tools for Multi-Jackbolt Tensioner for commercial use? (Not limited to Superbolt®)***

**YES**  **NO**

If YES, please provide number of units delivered, size and number of jackbolts of MJT, maximum torque on jackbolt, source of drive:

If YES, please provide standard operation duration to tighten one MJT (Setting tool & screwing):

If YES, please provide standard procurement period of the tool:

* 1. ***Do you think it is feasible, and within your experience, to develop or fabricate Multi-Spindle Tensioner satisfying the technical requirements as given in the Technical Requirements document?***

**YES**  **NO**

If YES, please let us know how many spindles you would select for the tool for M110:

If NO, please let us know which requirements are beyond your experience, what is the basis for believing that you cannot provide it:

* 1. ***Is there any requirement that cannot be satisfied with your products?***

**YES**  **NO**

If YES, do you have any alternative plans to compensate by relaxing such requirements?

Please explain your alternative plans if possible:

* 1. ***Do you have a tool that can be used for immediate test to verify Multi-Spindle Tool feasibility in advance?***

**YES**  **NO**

If YES, please give us the number of spindles, maximum torque, and dimension of spindle:

If NO, please give us the duration to fabricate one (not newly designed, just fabricate one by existing design), and its number of spindles, maximum torque, and dimension of spindle:

# *General Questions*

* 1. ***If you have any concerns about applying Multi-Spindle Tool to ITER Pre-Compression Ring tightening according to your experience, please provide your idea and opinion*** ***on how to mitigate the concerns? (not an obligation and no responsibility on you for this answer)***

* 1. ***Please indicate any other information that may be relevant for this Market Survey.***

# *Quality Assurance*

***Are you certified ISO 9001 or equivalent?***

**YES**  **NO**

***Please specify your certifications.***

|  |  |  |
| --- | --- | --- |
| ***QA Certifications*** | ***Comments*** | ***Validity Period*** |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| Signature: | COMPANY STAMP |
| Name: |
| Position: |
| Tel: |
| Date: |