|  |  |
| --- | --- |
| **Title** | |
| ***Principle Investigator:*** |  |
| ***Date proposed:*** |  |
| ***Planned overall duration:*** |  |
| ***R&D Tier:*** | *Field filled by MXL* |
| ***Goal / Deliverable:*** | e.g. prototype, concept, … |
| ***R&D Package:*** | *Filled by MXL* |

Description

Describe the R&D topics and its relation and benefit to XFEL. Describe clearly the project goal and the major steps planned to reach it.

Also list the involved operation packages (Ops) with a short description of their tasks in the activity  
 **(Max 3 pages)**

Time plan

Define clear milestones (minimum 2 per year). You will be asked to report the progress of your R&D project in comparison to these milestones. These milestones can be both of technical (e.g. prototype built) or organizational (e.g. *postdoc hired*) matter.

Table 1 Milestone list of this R&D activity

|  |  |
| --- | --- |
| **Date / Period** | **Milestone Description** |
|  |  |
|  |  |

Instead of an exact date, you can specify a period (e.g. Q2/2019) when the milestone should be reached.

Resources

Estimate the overall resources you need for the project (FTE, Invest, Recurrent, Beamtime) and distribute the resource needs over the project duration.

For FTE indicate if new hires are needed and give a brief description of the task in the context of the project.

For other cost list the larger (50 k€ and above) items individually. For FTE and expenditures summarize your estimate in a yearly profile

Table 2 List of individual purchase items of > 50 k€.

|  |  |  |
| --- | --- | --- |
| **Item to be purchased** | **Purchase planned when** | **Investment [k€]** |
|  |  |  |
|  |  |  |
|  |  |  |

Table 3 Yearly Resource profile of the R&D activity

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **FTE** | **Investment / Recurrent [k€]** | **Info** |
|  |  |  | give # of Postdocs or PhD students included |
|  |  |  |  |
|  |  |  |  |