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ISTC Senior Project Manager
L. Tocheny

From #2267 project manager
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Technical note on project extension

I. Scope of Activities

I ask your consent to prolongation of ISTC project #2267 for the term of **five months without additional financing**.

Within the project #2267 all tasks determined by the working plan have been executed almost completely, namely – the technical design of SAD installation is developed, the safety analysis report preparation was started, the technology of fuel pellets fabrication is prepared and the experimental batch of fuel pellets is manufactured. During the project extension it is supposed to start the tasks connected to a technological part of the project, which lay on a critical path of the network diagram of the project. It will enable to keep rates of realization of the project during preparation of financing of the technological part of the project.

At a stage of the project extension it is planned to finish the safety report preparation, send project documentation to the authority organizations for licensing and carry out the following tasks in continuation of the initial work plan:

Task 1 Updating of the SAD technical project, preparation for design engineering

| Task description and main milestones | | Participating Institutions |
|--------------------------------------|---|----------------------------|
| 1.1 | Design documentation with vertical experimental channel (EC), technical project updating; | 1- NIKIET, Moscow, Russia |
| 1.2 | Development of the design quality control program; | 2- JINR, Dubna, Russia |
| 1.3 | Updating of the SAD neutronics in connection with changes on item 1.1 and target verification calculations release; | 3- GSPI, Moscow, Russia |
| 1.4 | Recalculation of the strength properties in connection with item 1.1; | |
| 1.5 | Updating of the emergency modes calculations with real pipelines routing; | |
| 1.6 | Verification thermal hydraulics report release; | |
| 1.7 | Final report preparation. | |
| Description of deliverables | | |
| 1 | Technical report | |

Task 2 Civil engineering project

| Task description and main milestones | | Participating Institutions |
|--------------------------------------|---|----------------------------|
| 2.1 | Radiometric investigations of the soil from accelerator diked area; | 1- GSPI, Moscow, Russia |
| 2.2 | The working documentation on a foundation ditch | 2- JINR, Dubna, Russia |
| | | 3- NIKIET, Moscow, Russia |

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|------------------------------------|---|--|
| 2.3 | and a base plate; The working documentation on FA and targets storage place; | |
| 2.4 | The working documentation on FE and FA storage place at bd. 133; | |
| 2.5 | Final report preparation. | |
| Description of deliverables | | |
| 1 | Technical report | |

Task 3 SAD FE manufacturing

| Task description and main milestones | | Participating Institutions |
|---|----------------------------------|-----------------------------------|
| 3.1 | The working documentation on FE; | 1- VNIINM, Moscow, Russia |
| 3.2 | FE technology preparation; | 2- JINR, Dubna, Russia |
| 3.3 | FE simulators manufacturing; | 3- IA "Mayak", Ozersk, Russia |
| 3.4 | Fuel pellets manufacturing; | 4- NIKIET, Moscow, Russia |
| 3.5 | Final report preparation. | |
| Description of deliverables | | |
| 1 | Technical report | |

Task 4 FA technology preparation

| Task description and main milestones | | Participating Institutions |
|---|---|-----------------------------------|
| 4.1 | The working documentation on FA model and technology; | 1- NIKIET, Moscow, Russia |
| 4.2 | Technology on FA end caps and assembly units manufacturing; | 2- JINR, Dubna, Russia |
| 4.3 | End caps and assembly units manufacturing; | 3- VNIINM, Moscow, Russia |
| 4.4 | 7 FA models manufacturing; | |
| 4.5 | Final report preparation. | |
| Description of deliverables | | |
| 1 | Technical report | |

II. Budget documentation

Correction of the project budget in view of prospective extension is directed to you to the separate letter 14.04.05.