



Łukasiewicz
PORT
Polski Ośrodek
Rozwoju
Technologii

Description of the Subject-matter of the Contract

The Contracting Authority is planning the redevelopment and start-up of a containment level 3 laboratory, where it will be possible to conduct research with the use of biological agents classified under risk group 3 (agents which are severely pathogenic to humans, are hazardous to employees, and their transmission across the community is highly probable, while there are usually effective preventive or treatment measures in place in relation to these agents).

The expert service regarding a BSL-3 Laboratory will consist in 5 stages:

- 1) gap analysis,
- 2) preparation of a design documentation and technical specifications for the performance and acceptance of construction works.
- 3) the assessment of the tenders submitted as part of a procurement procedure for the performance of construction works
- 4) supervision over the performance of construction works and the start-up of the laboratory
- 5) securing certification and a decision on running a genetic engineering laboratory

The Contracting Authority will expect the knowledge and implementation of at least the following guidelines, rules, and standards:

- PN-EN 12128:2000 Biotechnology - Laboratories for research, development and analysis - Containment levels of microbiology laboratories, areas of risk, localities and physical safety requirements
- The Act of 22 June 2001 on genetically-modified micro-organisms and organisms, the Regulation of the Minister of the Environment of 11 April 2016 on the detailed types of safety measures applied in genetic engineering institutions, The Regulation of the Minister of the Environment of 11 April 2016 on the classification of genetically modified micro-organisms and organisms used during a contained use of GMM and contained use of GMO, Directive 2009/41/EC of the European Parliament and of the Council of 6 May 2009 on the contained use of genetically modified micro-organisms;
- The Regulation of the Minister of Health of 22 April 2005 on biological agents posing a health hazard at work and protection of workers professionally exposed to such agents, Directive 2000/54/EC of the European Parliament and of the Council of 18 September 2000 on the

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protection of workers from risks related to exposure to biological agents at work;

- ANSI Z9.14-2020 Standard: Testing and performance verification methodologies for ventilation systems for Biological Safety Level 3 (BSL-3) and animal Biological Safety Level 3 (ABSL-3) facilities;
- WHO Laboratory Biosafety Manual (4th edition or more recent versions);
- Biosafety in Microbiological and Biomedical Laboratories, 6th Edition,
- NIH Design Requirements Manual (DRM), 2016;
- USDA ARS Facility Design Standards, 2012.

