eVOC SERBIA

Further Implementation of EU Regulation on Volatile Organic Compounds

Terms of Reference Local STE – IT Expert

Tehnološko Metalurški Fakultet

Univerzitet u Beogradu

CPCS
Cleaner Production
Centre of Serbia

1. **Position: Local Short Term Expert** – IT Expert

2. **Description of the project**

   General objective of the project is to support the Ministry of Environmental Protection of the Republic of Serbia and the Serbian Agency for Environmental Protection in the implementation of Chapter V of Industrial Emissions Directive (IED) regarding pollution from operators utilizing Volatile Organic Compounds (VOC), in accordance with the implementation plan laid down within the process of access to the EU and negotiation Chapter 27.

   The project aims to achieve the following specific objectives:

   - Enhance the process of accession of Serbia to the EU supporting operators and Institutions in the transposition and implementation of specific requirements of Industrial Emissions Directive applicable to operators using Volatile Organic Compounds (VOC);
   - Contribute to improve the capacity of Serbian's Ministry for Environmental Protection in governing and reducing the pollution derived from the use of VOCs;
   - Foster socio-economic development of Serbian operators, particularly SMEs, by increasing their skills and capacity in the field of protection of the environment from VOCs and improving their competitiveness.

   This project represents a further support to the Ministry of Environmental Protection (MEP) in carrying out the Implementation Plan for IED providing them with a functional IT system for reporting obligations and additional training needed to increase the capacity of operators and inspectors to fulfill their obligations according to Chapter V of IED.

3. **Description of the project activity**

   Activity 2 – Technical support for the implementation of the legal framework on activities using VOC

   Within this activity, the project team will provide MEP and SEPA with full technical support for the preparation and test of the electronic system necessary to implement and monitor the requirements of Chapter V of IED for installations using VOC.

   The activity will address every requirement provided by IED and consider the outputs prepared by previous projects (IPA, PLAC II, ENVAP) in relation with installations using VOC. Based on this preliminary assessment, a logical structure will be designed in order to implement these requirements in accordance with the existing systems, in particular with the Register of Pollutants managed by SEPA. The designed structure and procedure will, then, be implemented through an appropriate module to be connected to the Register of Polluters that will be completely programmed by IT expert in strict coordination with SEPA and the project team.

   The new module for VOC installations will be prepared including back- and front-end (User's interface); the prepared software will be tested before its publication. It will be connected to the existing SEPA hardware and software system utilized for the Register of Polluters.

4. <u>**Specific objectives of this ToR**</u>:

The expert will prepare the necessary back- and front-end software to be connected with the existing National Register of Polluter Sources and to implement the procedures related to the requirements for VOC operators set forth by the IED. In particular, the expert will develop the IT modules related to the registration and declaration of the yearly solvent consumption and to the preparation of the yearly solvent management plan. They will constitute the main tool available to VOC operators to fulfil their obligations related to the Regulation on operators using VOC. The IT module will allow operators to register and update their data related to use and emissions of VOC as well as to send electronically their yearly report on VOC's management and reduction. The stored data will be used by MEP to check the compliance of VOC operators with legal requirements, so to support the inspection system in the fulfilment of their tasks on compliance control.

The system, once programmed, will be tested in strict cooperation with SEPA. Some test operators (SMEs) will be selected to use the IT module and communicate their data supported by the project team. In this way, the IT system functions will be checked and corrected if needed; in addition to quality control, a check of the user's interface will be done in order to improve it according to the feedbacks received during the trial phase.

5. <u>**Period of the Assignment:**</u> 1 June, 2022 – September 30, 2022

6. <u>**Required services and expected outputs**</u>

The task requires desk activities such as document analysis and preparation and period meetings with the project team and SEPA representatives.

<u>**Tasks**</u>:
-   Development of the IT module for the registration and calculation of VOC consumption, in close cooperation with the project team and according to the procedures developed by the project;
-   Development of the IT module for the preparation and submission of the yearly solvent management plan, in close cooperation with the project team according to the requirements of Chapter V of the IED;
-   Provision of technical support to the project team and companies during the testing of the software, including the implementation of the necessary amendments to the software in accordance with the feedback received.

Expected outputs:
-   Software for the registration, calculation of VOC consumption and preparation of the solvent management plan, sandbox version;
-   Final version of the software for the Register of VOC operators, considering the feedback received during the testing phase.

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7. **Number man/days allocated:** a maximum of 60 working days during the period of the assignment.

8. **Location of the assignment:** Belgrade, Serbia

9. **Qualification and skills**

Education	Bachelor's degree in IT or equivalent in 8 years of working experience in IT industry.
Professional Experience	- At least 5 years of post-graduate professional experience in the IT sector - Experience in the preparation of software for the management of environmental topics - Previous work experience with the public administration will be considered an asset - Experience in the working with the software TEAMS SR will be considered an asset

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