THE SITE VISIT/CLARIFCATION MEETING

Open contest “Enhancement of 30 gas production wells at Incukalns Underground Gas Storage”

Location: Incukalns UGS

Date: October 7, 2019

Time: 3.00 pm- 5.00 pm

Participants: the list of Participants, see Attachment 1

1. **Please clarify the number of wells considered to be included in the work scope that have to be done by the Contractor (see Technical Specification Item 3 “List of the main well enhancement works”.**

Answer. The Contractor shall perform works for 5 wells in an amount specified in item 3, part A and Table 2 of the Technical Specification.

The Contractor shall perform works for 25 wells in an amount listed in item 3, part B and Table 3 of the Technical Specification.

1. **Please present details on legal procedures, permissions, certificates needed for the company as well specialists to be engaged in works execution.**

Answer. The Contractor shall be registered in the Republic of Latvia in accordance with the legal Latvian acts and shall have the appropriate licenses. For details, please see <https://www.lsgutis.lv/par-arzemju-buvspecialistu-kvalifikacijas-atzisanu-lv/> Employees engaged have to be properly trained and certified.

1. **Is GAZPROM VNIIGAZ, LLC providing supervision of the Project performance on enhancement works of 30 wells at Incukalns Underground Gas Storage as enhancement works of wells shall be done in accordance with Gazprom VNIIGAZ, LLC “Technical project of 45 wells enhancement at the Incukalns UGS” requirements.**

Answer. No, Gazprom VNIIGAZ, LLC do not provide supervision of the Project. Contracting Authority will nominate Supervisor of the Project performance. The nominated Supervisor follow the requirements of “Technical project of 45 wells enhancement at the Incukalns UGS”.

1. **Could you please specify requirements concern safety certification.**

Answer. International standard IWCF Well Intervention Pressure Control at least level 2 certification for the drilling group and level 4 certification for the managing specialists is required pursuant to the requirements stated by the company providing blow-out safety supervision. For more detailed information you may see: <http://www.ast-consult.com/our-trainings/well-intervention-pressure-control/well-intervention-level-2>

1. **What acceptance is needed for the Works Performance plan?**

Answer. The Work performance plan shall be accepted by the Contracting Authority, Supervisor of Contract performance and the well blow-out safety supervising organization.

1. **If there is any equipment used for well logging available at Site? Please clarify whether it could be handed over to the Contractor for execution of well logging.**

Answer. The Contracting Authority does not provide for handing over of his own equipment available at the Site to the Contractor for the whole work execution period. Nevertheless the Contracting Authority may consider the possibility to hand-over his available equipment to the Contractor in case of exceptional circumstances and evaluation of equipment compatibility.

Contractor Authority will provide probe with radioactive nuclear (Am-241 with activity 1.184×1011 Bq) for logging measurements, because delivery of that kind of radioactive material is very complicated and could affect terms of works. The Contractor have to inform the Contract Authority about necessity of probe at least 5 working days prior. Contracting Authority have rights to postpone the probe’s handing out for 5 working days.

1. **Item 3 Part B of the Technical Specification listed the main work scope to be perform by the Contractor on 25 wells. Is pressure testing included in in the scope of preliminary works mentioned in point 1 of the said item.**

Answer. Yes it is.

1. **Do bottom cleaning of each well is included in the scope of well washing. (see Item 3 Part B point 2 of the Technical Specification?**

Answer. “Well washing” provides for bottom cleaning of each well.

1. **Will the Contracting Authority inform the Contractor on actual situation of wells before the start of wells killing?**

Answer. Geological service of Incukalns Underground Gas Storage will provide the Contractor information regarding the current formation pressure in the storage before wells killing.

1. **Do you provide acoustic cement logging on regular basis at Incukalns UGS?**

Answer. We do not perform acoustic cement logging at Incukalns UGS on regular basis.

1. **Please specify types of sealings used for couplings of production casings?**

Answer. Sealing of production casing couplings will be done by The Contractor at his own experience and considerations. The Contractor shall submit and describe the solution in Tender proposal. The sealing technology be in used have to ensure the hydraulic test passing for production casing. Hydraulic test pressure could be different for different wells and will be determine by Contracting Authority.

1. **Who will take responsibility on decision to provide extra cementing works?**

Answer. The Contractor. Before starting of extra works additional agreement with Contracting Authority have to be concluded. Decision on extra cementing works for each well will be made on a basis of the received geophysical measuring data of each well.

1. **Are any permissions issued by the State institutions needed to do perforation of wells in Latvia?**

Answer. No permissions issued by State institutions are needed in Latvia to perform perforation of wells.

1. **Is blowout method into atmosphere acceptable for well development in Latvia?**

Answer. No blowout method is not allowed for well development. For well development requirements please look the Technical Specification of the Open Contest Section 6. Items. 6.8.10. The development of wells using the blowout method in the atmosphere is prohibited.6.8.11. Well development is possible through pipelines of Incukalns UGS with providing the separation (using a certified separation unit according to Pressure Equipment Directive (PED) 2014/68/EU requirements) of killing liquids and another mud from gas flow before entering in Incukalns UGS pipelines. The well development shall be executed with a method in accordance with the Gazprom VNIIGAZ, LLC “Technical project of 45 wells Enhancement at the Incukalns UGS” or alternative method which is comparable with a method in the technical project.

Meeting closed at 16.50 pm

Minutes kept by Inta ANTONOVA, Member of the Procurement Commission