

# framatome

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Your letter of

Our reference F.034832-B-00, Rev. 1

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### Quotation

No. F.034832-B-00, Rev. 1

of

Framatome GmbH Framatome / Supplier

to

ČEZ, a. s. Jaderná elektrárna Dukovany CEZ, VSB / Purchaser

VŠB – TU Ostrava, Fakulta strojní

on

Application of silicon based adhesive on test specimen for pipe line repair

Framatome GmbH

[Redacted] prof. Ing. Robert Čep, Ph.D.

[Redacted]

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## 1 General

Referring to CEZ's request for quotation of September 17<sup>th</sup>, 2020 we herewith offer an application of our silicon based adhesive FANP AK SG 460 on test specimen for pipe line repair testing program.

## 2 Scope of Supply and Services of Framatome

### 2.1 Preparation of specimens with silicone based material:

Prior to the application of the silicon based adhesive, Framatome will clean the surface of each pipe testing specimen and its embracing half-shells which will be bonded with FANP AK SG 460. Preparation of specimens with silicone based material will be done acc. specific working plan and technical specification written and issued by Framatome IBGSC3 (see section 2.2). During preparation of specimens with silicone based material an inspection plan will be issued by Framatome IBGSC3 (see section 2.2).

This proposal does not include any review / release of Framatome documents by CEZ, any authority or third party. Respective effort shall be charged additionally.

The cleaning and silicone application will be performed by Framatome IBGSC3 personal.

Framatome will perform the application of silicon based adhesive FANP AK SG 460 on 15 (fifteen) pipe testing specimen. Each test specimen will be covered with FANP AK SG 460 and embraced by 2 (two) pieces of stainless half-shell on the outer surface of the pipe. The thickness of the applied silicon layer is approx. 4 (four) mm +/- approx. 1 mm. The correct distance will be granted by usage of spacers made from the same material as the applied silicone. The circumferential weld on each pipe testing specimen will approximately be in the middle of the applied patch.

If necessary Framatome will perform edge finishing after curing time of FANP AK SG 460 elapsed; i.e. filling holes in the silicone or shaped seam.

### 2.2 Delivery of documents in English language together with prepared specimens:

- 3.1 certificate for applied half-shell covers (material and design defined by Framatome)
- Material Release Certificate for applied silicone based material FANP AK SG 460 including:

Tests on Single Components A and B:

- a) Density determination
- b) Colour and Surface appearance, visual examination
- c) Pot life time
- d) Expiry date

Tests on hardened product:

- a) Total halides Chloride, Fluoride, Sulfates
- Working plan including description of surface preparation, application of silicone based material on pipe specimens with half-shell covers and final edge finishing if required
  - Technical specification including MSDS of silicone based material and description for half-shell covers

- Inspection plan for preparation of specimens with silicone based material including verification of surface preparation, silicone application and edge finishing by signature of Framatome IBGSC3 personal

## 2.3 Delivery of specimens:

- 15 (fifteen) pipes with applied silicone based material and half-shell covers acc. to working plan and technical specification

## 3 Scope of Supply of CEZ

- CEZ agrees to provide the following test specimen free of charge and in time to Framatome facilities in Erlangen including technical specification of pipes in English language:
  - 15 (fifteen) pipes 108x4x900mm, as defined in CEZs RFQ from September 17<sup>th</sup> 2020

## 4 Exclusions

Scope of Supply and Services which is not mentioned explicitly in this quotation under article 2 is not part of Framatome's Scope of Supply and Services.

In particular the following supplies and services are excluded but not limited to:

- Everything not explicitly mentioned in section 2
- Any translation of Framatome documents or data
- Any qualification or licensing as well as qualification or licensing support (the latter can be offered separately, if required).

## 5 Time schedule / delivery time

Framatome will perform the tests after clarified order and after having received all test specimen. The specimens shall be delivered to Framatome facilities in Erlangen latest until Nov. 06<sup>th</sup>, 2020.

It is assumed that the coating of the test specimen can be finished by December 09<sup>th</sup>, 2020.

The first batch (9 pieces) will be send to NPP Dukovany approx. mid of December 2020, the second batch (6 pieces) in January 2021.

## 6 Price

The price for the above mentioned scope without value added tax (VAT) amounts to:

**EUR 18.600,00**

(in words: Euro eighteen thousand six hundred)

The above mentioned price is a lump-sum price. The quoted price does not include any taxes, duties, fees, etc., as levied outside Germany.

## 7 Terms of Payment

Payment shall be made on the basis of a "tax invoice" of the Supplier.

The following terms of payment shall apply:

EUR 11.700,00 (without VAT) upon delivery of the first batch (9 pieces) DAP Dukovany (scheduled mid of December 2020).

EUR 6.900,00 (without VAT) upon delivery of the second batch (6 pieces) DAP Dukovany (scheduled mid of January 2020).

Payment shall be effected within 30 calendar days after submittal of the corresponding invoice, without any retention.

Payment shall be made to the bank account number mentioned in the invoice.

## 8 Other Conditions

### 8.1 General Terms and Conditions

Language for performance of the contract/documentation shall be English.

If not stated otherwise within this offer the Framatome "General Conditions for the Supply of Products and Services" as per attachment 1 shall apply.

In addition to the referred General Conditions, the following clauses shall be taken in account due to COVID-19:

- a) Any event or set of circumstances that is caused, directly or indirectly, by the COVID-19 pandemic that hinders or delays Parties ability to perform under this agreement shall be deemed a Force Majeure Event as of the date on which Parties become aware of the hindrance or delays caused by such event or set of circumstances. For the avoidance of doubt, Parties will not be precluded from claiming relief for a Force Majeure Event related to the COVID-19 pandemic on account of the pre-existing nature of the COVID19 pandemic,
- b) The Party evoking it shall following the occurrence of Force Majeure event notify the other Party first by e-mail and then confirm by registered letter with acknowledgement of receipt.
- c) The Parties shall continue the performance of their other contractual obligations which are not directly affected by Force Majeure event. The Party evoking it shall be released from performing its contractual obligation affected by the Force Majeure event and relieved from liability for delay in such performance, but shall exert all reasonable efforts to mitigate the effects or potential effects of Force Majeure.
- d) If either Party foresees that a Force Majeure event shall last for more than 120 calendar days counting from the receipt of notification, the Parties shall promptly discuss methods to resolve the difficulties arising therefrom. If no agreement can be reached on the measures to be taken within 45 calendar days from the request from one party to discuss as per this article, either Party may terminate all or part of the Contract in accordance with the terms and conditions.

### 8.2 Confidentiality

This document contains technical, financial and commercial information of a confidential nature. It is submitted with the understanding that it will be used solely for purposes of evaluation of the proposal contained herein and that there will be no exploitation and no direct or indirect disclosure to third parties of the information contained in or derived from this document without the express written agreement of Framatome GmbH. Respective confidentiality agreement shall be included in the Contract / work order or in a non-disclosure agreement (NDA).

