

Invitation to tender

Procurement No: 2022/3

2.3.2022.

Zeraxo d.o.o., for the purposes of the project Marine Pass supported by a grant from Norway through the Norwegian Financial Mechanism 2014 - 2021, in the frame of the Programme "Business Development and Innovation Croatia", announces the procurement:

Acquisition of technological services – hardware development

Project name:

Marine Pass, 2020/563111

Contractor:

Name: ZERAXO d.o.o. za informatiku i usluge
Address: Petrova 53 4, 10000 Zagreb, Croatia
OIB: 25157435812
Mobile: 385 91 5923184
Web: www.zeraxo.com

Contact:

First name, last name: Borna Neuhold

Email: marinepass@zeraxo.com

Procurement description:

The subject of the procurement is a **technological service – hardware development – 1670-man hours** for the needs of the project.

The subject of procurement is not divided into groups. The bidder is obliged to submit a bid for 1670-man hours.

"Or equivalent" applies to all items of the subject of procurement.

Estimated value of procurement: 50.000,00 Eur

Description of the subject of procurement:

Purpose:

A technological service – hardware development refers to research, development, and testing of devices and components such as processors, circuit boards, sensors, networks, and routers. Development of small middleware applications for hardware integrations using C++, Python, etc.

For the project, one key expert is needed: technological consultant.

Qualifications of the key expert:

- A Master's or Bachelor's Degree in Computer Science, Information Technology, Information Systems, Computer Engineering, or similar.
- At least five (5) years of relevant professional experience in a similar position and with similar responsibilities

NOTE: relevant experience will be evaluated based on the key expert curriculum vitae.

Responsibilities:

- hardware assembling, connecting, and testing
- developing middleware applications for interaction between devices and the Orchestrator portal and southbound API

Project segments:

Concept formulation, upgrades and development, individual verification of key parts of the hardware parts of the system:

- Setting up the HW system architecture
- Hardware module for reading and processing information
- Hardware communication module (Wi-Fi, ethernet, narrow band)
- Hardware system power supply
- RFID setup, testing on multiple units
- Firmware programming of certain hardware elements

Deadline and address for submission of bids:

The deadline for submission of bids is 7 calendar days and runs from the first day following the date of publication of this Invitation.

The bids can be submitted to the e-mail address: marinepass@zeraxo.com

Documentation to be submitted by the bidder:

The bid should be submitted:

1. on the bidder's official memorandum, from which the subject of procurement is clearly visible, and which specifies cost per man hour, and total value of the bid
2. CV of the key expert from which minimal requested qualifications must be clearly visible.

The language of the bid documentation can be: English or Croatian.

Consultancy contract duration:

Max. 12 months from the signing of the contract.

Venue of execution of subject of procurement:

ZERAXO d.o.o. za informatiku i usluge, Gacka 16, 10000 Zagreb, Croatia

Terms and conditions of payment:

Payment:

- Monthly, according to the certified record of man hours, and according to the issued invoice

Bid awarding criteria:

The most commercial advantageous Offer.

The evaluation will be based on the comparison between quality and price.

The Contractor will select the most commercial advantageous Offer among all the acceptable offers based on predefined criteria:

Criteria	Maximum number of points
Offer price (OP)	40 points
Relevant professional experience of the proposed key expert (KE)	60 points
Maximum number of points	100 points

The total amount of points for individual bidder will be calculated by summing up points obtained for each criterion:

$$TP = OP + KE$$

TP = total points for the bid

OP = number of points gained for offer price

KE = number of points gained for the key expert experience

The most economically advantageous bid is a valid bid with the highest total number of points (TP).

The calculation of the number of points will be expressed to two decimal places.

If two or more valid tenders are equally ranked according to the tender selection criteria, the contracting authority will select the tender received earlier.

The method of scoring for each of the criteria, the absolute and relative share of the criteria in the total score and the way of proving each criterion is defined in addition:

OFFER PRICE (OP)

The maximal number of points for this criterion which a bidder can receive is 40.

The bidder who has submitted the bid with lowest price will gain maximal number of points.

The point value according to this criterion is calculated according to the following formula:

$$OP = P_{MIN}/P_X * 40$$

OP = total number of points for the price

P_X = the price of the bid which is being evaluated

P_{MIN} = the lowest price among all the acceptable offers

40 – maximal number of points for the criteria

RELEVANT PROFESSIONAL EXPERIENCE OF THE PROPOSED KEY EXPERT (KE)

To prove the experience of the key expert, for the purpose of the evaluation of the bid regarding this criterion, the bidder must submit:

1. Curriculum vitae for the key expert from which the following must be clearly visible:
 - education or acquired level of education
 - number of years of relevant professional experience

Relevant professional experience (KE) (n= number of years)	$n = 5$	0
	$6 \leq n \leq 7$	20
	$8 \leq n \leq 10$	40
	$n > 10$	60

[Additional information:](#)

The bidder may request additional information at the e-mail address: marinepass@zeraxo.com