

Supply of Stationary and Mobile Portal Monitors and Vehicles for Border Control of Nuclear and Other Radioactive Materials
(SUPPLY)

Questions and Answers

EuropeAid/126681/D/SUP/HR

PHARE 2006

Questions and answers

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State Office for Radiation Protection, Republic of Croatia

1. Publication reference
EuropeAid/126681/D/SUP/HR
2. Procedure
International open tender procedure
3. Programme
PHARE 2006
4. Financing
Phare 2006 – Programme for Community Assistance in the field of Nuclear Safety
5. Contracting authority
Central Finance and Contracting Agency, Katančičeva 5, 10 000 Zagreb, Croatia

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Deadline for questions: 8th October 2008	Deadline for answers: 18th October 2008
Q 1: Would it be successfully completed contract from the field of Border Control or Customs Control accepted to fulfil required technical capacity?	A 1: Article 16 of Procurement Notice addresses this question. Final decision will be stated in the Evaluation Committee. It is a responsibility of the Evaluation Committee to assess technical capacity of the tendere, based on the information provided in the Tender submission form. Tenderes are strongly advised to provide sufficient description on the referenced process, including description of the related services provided.
Q 2: For Land Stationary Portal Monitor System required the lowest detectable activity (95% detection) between portals for Cf is 360 kBq (for neutrons). Would it be accepted 5000 neutrons/sec	A2: Minimal technical requirement mentioned in technical specification is equivalent for activity of Cf of 360 kBq which equals to 40000 neutrons/sec.
Q 3: As understood from technical specification contractor will be in charge for full hardware and software installation on border crossing point. For portal installation some preparatory civil works (concrete foundation, power supply, any construction permit required) needs to be done before installation. Who is responsible for preparatory civil works?	A3: Preparatory civil works will be provided for by the Ministry of Finance, Independent Service for Construction and Maintenance of Border Crossings. It will include providing for 24 hours 365/366 days a year 220V/50Hz power supply and fundaments for the Monitors. No building authorisation is required for this kind of works on the border crossings.
Q 4: For Baggage Stationary Portal Monitor System required the lowest detectable activity (95% detection) between portals for Cf is 150 kBq (for neutrons). Would it be accepted 7000 neutrons/sec?	A4: Minimal technical requirement mentioned in technical specification is equivalent for activity of Cf of 150 kBq which equals to cca. 17000 neutrons/sec.
Q 5: Is it enough for Baggage Stationary Portal Monitor System to offer one side portal which meets technical specification or double side portal is required?	A5: Double side portal is considered as industrial standard. Offered portal must meet all technical specifications requirements. Any solution is acceptable which guarantees full compliance with technical specifications, parameter "the lowest detectable activity between portals".

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<p>Q 6. For Mobile Portal Monitor System it is required the lowest detectable activity (95% detection) between portals for Cf is 360 kBq (for neutrons). Would it be accepted 5000 neutrons/sec?</p>	<p>A6: Minimal technical requirement mentioned in technical specification is equivalent for activity of Cf of 360 kBq which equals to 40000 neutrons/sec.</p>
<p>Q 7: For Mobile Portal Monitor System is it required to build them in the vehicle? If so, should the portal be fixed in the van and ready for use or should they be transported in van to the site, setting up outside and attached to the van by cable?</p>	<p>A7: Mobile Portal Monitor System will be fixed in the van and transported as such.</p>
<p>Q8: Lot 1. Item 1. Land Stationary Portal Monitor Systems: You specified the lowest detectable activity between portals. Could you please specify which source to panel distance these minimum requirements have to be achieved?</p>	<p>A8: Panel to source distance should be <i>minimum</i> 3 m.</p>
<p>Q9: Lot 1. Item 1. Land Stationary Portal Monitor Systems: You specified 0-2 m vertical detection geometry. Vertical requirements of 0 – 2 m is good for pedestrian monitors and for personal cars/vans, but for trucks and train we assume you would rather need 0-4 meters, at least. Could you please confirm or correct?</p>	<p>A9: Stated detection geometry in the tender dossier is the minimum one that would satisfy TS requirements.</p>
<p>Q10: Lot 1. Item 1. Land Stationary Portal Monitor Systems: Is it guaranteed that 220V/50Hz power supply is available 24 hours a day, 365/366 days a year or should UPS supplies be included in the offer? In this case could you please specify a maximum dropout time for calculation of the UPS.</p>	<p>A10: 220V/50Hz power supply is available at border crossings 24 hours a day 365/366 days a year so there is no need to include UPS in the offer.</p>

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Q 11:

Lot 1. Item 1. Land Stationary Portal Monitor Systems:

For exact estimation of installation costs site layouts are required, showing the location of the pillars and the control room, available cable ducts which might be used, available power connections. Could you please supply such data for every location?

A11:

A civil construction works will be done by the Ministry of Finance, Independent Service for Construction and Maintenance of Border Crossings. The works will include providing for 220V/50Hz power supply and fundaments for portals.

Q12:

Lot 1. Item 1. Land Stationary Portal Monitor Systems:

Some units should be installed at railway sites. For such units axis counters are recommended for better localization of an alarm events. Could you please inform us if such axis counters are required?

A12:

Such axis counters are not required.

Q13:

Lot 1. Item 2. Baggage Stationary Portal Monitor System

Could you please specify in which distance and at which speed of the baggage the given minimum requirements (lowest detectable activity) have to be achieved?

A13:

A suggested distance to panel is 3m, and speed is 5km/h.

Any solution is acceptable which guarantees full compliance with technical specifications, parameter "the lowest detectable activity between portals".

Q14:

Lot 1. Item 2. Baggage Stationary Portal Monitor System

Is it guaranteed that 220V/50Hz power supply is available 24 hours a day, 365/366 days a year or should UPS supplies be included in the offer? In this case could you please specify a maximum dropout time for calculation of the UPS.

A14:

220V/50Hz power supply is available at border crossings 24 hours a day 365/366 days a year so there is no need to include UPS in the offer.

Q15:

Lot 1. Item 2. Baggage Stationary Portal Monitor System

Could you please supply exact site layout of the location where the instrument has to be installed?

A15:

At this point we can not provide exact site layout of the location where the instruments are to be installed. This information will be available before equipment installation and commissioning.

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Q16:
Lot 2. Item 1. Hand Held Equipment
Could you please specify a value for minimum detectable activity for certain energies/radionuclides, as this is an important feature and determines the size of the detectors?

A16.
GAMMA detector characteristics should be minimum as 1.4"×1.4" NaI probe or equivalent. NEUTRON detector characteristics should be minimum as moderated ³He tube or equivalent.
Any solution is acceptable which guarantees full compliance with technical specifications, parameter "the energy range requirements".

Q17:
Lot 2. Item 1. Hand Held Equipment
Could you please inform us if you would accept a device which weight not exceeds 3.5 kg? The extra weight is a consequence of the very high neutron detection sensitivity.

A17:
No, requirement is clear: weight shall not exceed 3kg.

Q18:
Lot 5. Item 1. Transportation vehicle (van)
Could you please specify if you need 4 wheel or 2 wheel drive? (Do you need off-road capabilities or just a van?)

A18:
No off-road capabilities are needed, but just a van.

Q19:
Could you please specify if you need Diesel or Gasoline engine?

A19:
Both types of engine are acceptable.

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<p>Q20: Could you please specify if you need air condition only for passenger compartment or for the freight compartment, as well?</p>	<p>A20: Air conditioning is required at least in passenger compartment.</p>
<p>Q21: Parameter : Lowest detectable activity What is the height of the reference point for the specified lowest detectable activity? Could you please indicate the count in neutron per second of the 360 kBq Cf source or shall we consider a standard coefficient founded in catalogue of sources (40 000 neutrons per second for 360KBq of Cf source)?</p>	<p>A21: Please refer to the Answer A2.</p>
<p>Q22: As the Land Stationary Portal Monitor Systems may be used for trucks and trains, could you please confirm the height of the detection geometry?</p>	<p>A22: Minimum required height for the detection geometry is at least 2 m. Please refer to our minimal requirements concerning parameters "detection geometry".</p>
<p>Q23: Parameter : Additional requirements (alarm) Where is the location of the acoustic/visual alarm signal? Local on the portal or remote ?</p>	<p>A23: Acoustic signal should be at least on the portal, and visual signal should be at least at the terminal station.</p>
<p>Q24: Civil engineering Who has in charge the preparation of the civil engineering for the installation of the systems ? If the tenderer has to handle the civil engineering and building, do we need building authorization? Please confirm that you supply building authorization.</p>	<p>A24: Civil engineering works will be provided for by the Ministry of Finance, Independent Service for Construction and Maintenance of Border Crossings. It will include providing for 24 hours 365/366 days a year 220V/50Hz power supply and fundaments for the Monitors. No building authorization is required for this kind of works on the border crossings.</p>

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<p>Q25: Cabling Where the power supply of the systems will be available? If turnkey system, we have to know the distance between power supply and control room and between control room and control site. Please precise.</p>	<p>A25: Please refer to answer A14 above.</p>
<p>Q26: Additional information report Is an additional display unit necessary or a local display on the portal is sufficient?</p>	<p>A26: Additional display unit is not necessary.</p>
<p>Q27: Visit of sites - Is it possible to visit sites before offer deadline? If not, could you confirm that you provide drawings of implementation site?</p>	<p>A27: It is not possible to organize visits to the installation sites. We confirm that drawings will be available before installation and commissioning of the portals.</p>
<p>Q28: 2. Lot1 – Item 2 - Baggage Stationary Portal Monitor System Question 8: Parameter : Lowest detectable activity Where is the location of the reference point for the specified lowest detectable activity (height and distance) ? Could you please indicate the count in neutron per second of the 150 kBq Cf source or shall we consider a standard coefficient founded in catalog of sources (16 500 neutrons per second for 360KBq of Cf source)?</p>	<p>A28: Please refer to the Answer A4.</p>
<p>Q29: Civil engineering Who has in charge the preparation of the civil engineering for the installation of the systems ? If the tender has to handle the civil engineering and building, do we need building authorization? Please confirm that you supply building authorization.</p>	<p>A29: Civil works will be provided for by the Ministry of Finance, Independent Service for Construction and Maintenance of Border Crossings. It will include providing for 24 hours 365/366 days a year 220V/50Hz power supply and fundaments for the Monitors. No building authorization is required for this kind of works on the border crossings.</p>

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<p>Q30: Lot 4 - Mobile Portal Monitor System Question 14: Parameter : Lowest detectable activity Where is the height of the reference point for the specified lowest detectable activity? Is the value of 350 kBq of Cs correct for gamma detection? Could you please indicate the count in neutron per second of the 360 kBq Cf source or shall we consider a standard coefficient founded in catalog of sources (40 000 neutrons per second for 360KBq of Cf source)?</p>	<p>A30: Please refer to the Answer number A6.</p>
<p>Q31: Dimension of the system Could you please confirm the maximal overall dimension of the Mobile Portal Monitor?</p>	<p>A31: Please refer to the technical specifications requirement concerning the parameter "overall dimensions of the detection system", (1,5 m (height) x 2,0 m (length) x 1,0 m (width)).</p>
<p>Q32: Miscellaneous Training for Lot 1, 2 and 4 Where the training should take place?</p>	<p>A32: Training should take place at one of the equipment installation sites.</p>
<p>Q33: Warranty What is the time limit to remedy a defect or damage? Art 32.4 of General Conditions</p>	<p>A33: The time limit is specified by the Project manager in the notification letter and it will be coincide with gravity of the problem and type of the equipment concerned.</p>
<p>Q34: Calibration / commissioning sources Will the State Office for Radiation Protection make the sources available for on site calibration and tests ?</p>	<p>A34: Awarded tenderer should provide necessary sources for calibration and tests. State office for radiation protecting is regulatory body that does not have on its disposal its own necessary calibration sources. Sources could be made available by State Office for Radiation Protection in corporation with existing expert licensed technical services in the country.</p>

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Q35:

However please let us know according to article 4.1 below if products manufactured in India meet the Phara programme?

Participation in tendering is open to all legal persons participating either individually or in a grouping (consortium) or tenderers which are established in the Member State of the European Union or in a country or territory of the regions covered and/or authorised by the specific instruments applicable to the Phare programme under which the contract is financed. All works, supplies and services must originate in one or more of these countries. The participation is also open to international organisations. The participation of natural persons is directly governed by the specific instruments applicable to the programme under which the contract is financed.

Unless otherwise provided in the Special Conditions, supplies must originate in a Member State of the European Community or a country covered by the Phare programme. The origin of the goods must be determined according to the Community Customs Code or the international agreements to which the country concerned is a signatory.

When submitting his tender, the tenderer must state expressly that all the goods meet the requirements concerning origin and must state the countries of origin. He may be asked to provide additional information in this connection.

Q36:

A) Applications: it is noted that some portals will be deployed at road sides and others at rail crossings. Is it correct?

B) Do you have specific performance requirements for the rail application?.

C) Will the portals be actually scanning Trains?

D) if yes what are the performance requirements required ?

A35:

NO. Eligible countries are as follows:

EU Member States, Albania, Bosnia and Herzegovina, Croatia, FYROM, Turkey Montenegro and Serbia including as well as Kosovo under UNSCR Resolution 1244/99'.

A36:

A) Yes, it is correct.

B) No.

C) Yes.

D) All performance requirements are included in the Technical specifications for Item 1, Lot 1.

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<p>Q37: Lot 5 : are you requiring a van with detection capabilities or just a vehicle ?</p>	<p>A37: We are requiring a transportation vehicle (van) as stated in Technical specifications on which equipment from Lot 4 will be mounted.</p>
<p>Q38: Lot 1 item 2 : will this portal be used to detect gamma neutron in checked or passenger baggage ?.</p>	<p>A38: Portal monitor will be used to check goods going to the customs storage</p>
<p>Q39: Do you consider options in proposal : for instance can we propose RPM's gamma neutron for primary screening and also Spectroscopic portals for secondary screening or do you expect the handhelds to be used for secondary screening ?</p>	<p>A39: Hand-held equipment with forensic capabilities will be used for secondary screening.</p>
<p>Q40: Lot 4 : please clarify mobile . should the portals be able to be re-locatable or do you expect a car mounted system ?</p>	<p>A40: "Mobile" means the equipment will be mounted on the vehicle from Lot 5.</p>
<p>Q41: Please clarify the Rule on nationality and origin?</p>	<p>A41: The Rule on nationality and origin can be found in the Practical guide (http://ec.europa.eu/europeaid/work/procedures/implementation/practical_guide/documents/new_prag_final_en.pdf) – specifically 2.3.1. The rule on nationality and origin.</p>
<p>Q42: Instead of questions and offer, a brochure from a bidder was received.</p>	<p>A42: We are very sorry but we are unable to accept your portfolio/brochure as standard offer.</p>