

Clarifications 2:

DOCUMENT	ITEM	QUESTION	ANSWER
Procurement Notice			
	Article 8 ITT Art. 4 Spec. Cond. Art. 10	Eligibility and rules of origin	
		Please kindly list which countries outside Europe are acceptable for this project, for EDF program.	Please refer to the list of eligible countries and organisations published on the EuropeAid website in the clarification of 26 April 2013.
		In the Clarification of 26 April 2013 was a list with eligible countries according to “Annex IV of the Partnership Agreement ACP-EU signed in Cotonou on 23 June as last revised in Ouagadougou on 22 June 2010” Please, clarify if the offered goods can also have these origins or not?	Article 4 of the Instructions to Tenderers and Article 10 of the Special conditions state that all goods must originate in a Member State of the European Union or a country covered by the EDF programme. Annex IV referred to in the clarification of 26 April 2013 provides the list of countries covered by the EDF. Goods originating in one of the listed countries are eligible for this tender.
		As Indian origin company, doe we qualify for participation in this bidding process?	The tender is based on the rules of the European Development Fund (EDF), and is in principle open to natural persons and legal entities from the member states of the European Union and from the ACP countries. See the clarification for the tender published on the EuropeAid website on 26 April 2013 for the full list is eligible countries and organisations. For Ghana, India is not eligible under 10th EDF rules and therefore a company established in India is not eligible for this tender.
	Article 11 ITT Art. 22	Tender guarantee	
		Please confirm if it is acceptable if we provide a unique tender guarantee for the total of tender guarantee amount for all lots we intend to bid.	Article 7.2 of the Instructions to Tenderers states that each lot is a separate contract. Furthermore, Article 22 of the Instructions to Tenderers states that ‘Tender guarantees provided by tenderers who have not been selected shall be returned ...The tender guarantee of the successful tenderer shall be released on the signing of the

			contract, once the performance guarantee has been submitted". Providing a combined unique tender guarantee for all lots on which you intend to bid is therefore not acceptable; moreover, it could lead to practical problems if you would be the winner of only one or more, but not all of the lots that you tendered for.
	Article 16.1	Selection criteria	
		<p>Point 16.1 of the Procurement Notice (Economic and Financial Capacity of Tenderer) reads: <i>"The average annual turnover of the tenderer over the last three (3) years, must exceed at least six (6) times the value of the financial proposal of the tenderer for the lot, or the combined value of the financial proposals in case the tenderer bids for more than one lot"</i>.</p> <p>6 times is an extremely high ratio between the financial proposal and the average turnover. Normally other EuropeAid tenders require to have the same amount, or that the average turnover must be maximum double the financial proposal. Is it possible to reduce this ratio to the above mentioned proportions?</p>	See the corrigendum to the tender published on 4 May 2013 on the EuropeAid website.
		<p>Please consider that typically, in this EuropeAid project, the average annual turnover of the tenderer over the last three years must exceed at least 2 times the value of the combined value of the financial proposals in case the tenderer bids for several lots. Please kindly consider again this issue because the required average turnover (four times) is too much high in relation to the value of all lots, in case we intend to offer for all 12 lots.</p>	The Contracting Authority has the discretion within certain boundaries to determine the economic and financial criteria for each tender. It is not bound to duplicate the criteria used in previous tenders. The financial criterion of the average turnover has already been lowered from six times to four times in the Corrigendum published on 4 May 2013. It will not be lowered further, because a too high level of economic dependency of the tenderer on the award of the contract is considered to be a risk for the completion of the contract.
		<p>The corrigendum published on the 4th of May states that: "The average annual turnover of the tenderer over the last three (3) years, must exceed at least four (4) times the value of the financial proposal of the tenderer for the lot, or the combined value of the financial proposals in</p>	See, the answer to the above question.

		<p>case the tenderer bids for more than one lot”.</p> <p>This tender has many lots and most of them include very expensive equipment (more than 1 million euros each lot). If this requirement is confirmed the competition will be strongly reduced because many trading companies (including ours) have the technical ability to perform the lots, but according to this requirement they will have to take out several lots only because the total offer cannot exceed ¼ of their average annual income.</p> <p>We bring your attention to the fact that normal practice in EuropeAid tender is to ask an average annual turnover equal or superior to the total amount of the lot(s) offered. In this way each perspective tenderer will be able to present an offer for more lots, and this will go to the advantage of fair competition. Some examples of tenders where turnover must be equal to total of bid: EuropeAid/133592 (Belarus), EuropeAid 131876 (Serbia).</p> <p>In the interest of fair competition we ask you to confirm that “The average annual turnover of the tenderer over the last three (3) years, must exceed the value of the financial proposal of the tenderer for the lot, or the combined value of the financial proposals in case the tenderer bids for more than one lot”.</p>	
Instructions to tenderers			
	Article 1.3 Article 11	<i>Supplies to be provided (Spare parts)</i> <i>Content of tenders</i>	
		<p>Please indicate if the list of spare parts and consumables, not included in the final price of our offer, refer to the requirement Spare for 3 years in Annex II+III. In detail, please clarify if we have to offer the spare for 3 years only for items when it is explicitly required in Annex II+III and the price for spares has not to be included in our offer.</p>	<p>The requirement for spare parts and consumables is a general requirement for relevant pieces of equipment and not only for the items that have an indication of spare parts for 3 years as specified in the Technical Specifications. The 3 year terms should be considered as an extension of the requirement for spare parts and consumables. The list of spare parts and consumables should be recommended by the manufacturer on the basis of professional</p>

			experience and the places of use, as per instruction of Article 1.3 of the Instructions to Tenderers.
	Article 2 Article 10.3	Timetable Submission of tenders	
		For the purpose of providing all the requested documents and all technical information we [...] request an extension for submission. Please can you inform us about the possibility to postpone the deadline?	According to the Practical Guide for the contracting procedures to all EU external aid contracts, the minimum period between the date of publication of the contract notice and the deadline for receipt of tenders is 60 days. The original deadline for submission of tenders on the 29th May 2013 has been already extended until 13th June 2013. The contract notice and tender was published 27th March 2013, therefore the time for submission exceeds the 60 days, and no more extensions in principle will be granted.
		We kindly ask you to study the possibility to extend the deadline of submission of tender in subject to the 4th of July 2013.	See, the answer to the above question.
	Article 12	Taxes and other charges	
		We would like to ask you about import taxes in Ghana for the laboratory and analytical equipment?	<p>Please consult the document of annex C4m "Tax and Custom Arrangements". Article 2 (e) states that "<i>imports under supply contracts shall be admitted into the beneficiary ACP State without customs duties, import duties, taxes or fiscal charges having equivalent effect</i>".</p> <p>Therefore, no duties or taxes for equipment supplied under this tender contract will have to be paid.</p> <p>It is, however, noted that fees may be charged for services provided at the border. Such fees are nevertheless exempted from VAT under the rules of the customs and tax arrangements in Ghana.</p>
	Article 14	Clarification meeting / site visit	
		Please publish the report of the meeting which took place on 15/04/2013, if available	The meeting on 15 April 2013 at the premises of the Ghana Standards Authority had the character of a non-mandatory site visit. It gave the potential tenders the opportunity to see for themselves the situation of the two pieces of equipment that need to be repaired, upgraded, and completed, and to take

			<p>photographs, and make drawings and measurements to get a better understanding of the work involved.</p> <p>Consequently, no discussions took place and no minutes of this visit were made.</p>
Draft Contract: Special Conditions			
	Article 19	Period of implementation of the tasks	
		<p>Please communicate if it is possible to extend the implementation period of 180 days for all items of all lots, due to the complexity and the large no. of items, for each lot.</p>	<p>It is mandatory that the delivery, installation and training must be completed within 120 days from the signature of the contract by both parties. For only two specifically indicated items an exception to that rule is made.</p>
		<p>Please note that the implementation period for the complete project is 120 days except for the items 301 and 318. We would like to ask extension of the implementation period for the following lots. Lot 1 we require 180 days. Lot 2 we require 240 days. In this lot is an ICP-MS provided and that instrument requires an export license. Please note this takes approximately 180 days to get this license. Lot 4 we require 180 days.</p>	<p>At this point in the tender procedures it is not possible to make further exceptions to the implementation period mentioned in Article 19 of the Special Conditions.</p>
General Conditions			
	Article 26.5	Payments: General Principles	
		<p>Please can you confirm if the payment terms on above mentioned tender can be changed?</p> <p>Clause 26.5 states 40% payment after the signing of the contract and 60% payment after receipt of invoice and the application for the certificate of provisional acceptance. (Further clause states “The final payment to the Contractor of the amounts due shall be made within 90 days following provisional acceptance of the goods, after receipt by the Contracting Authority of an admissible invoice.)</p> <p>Due to the high value of this tender and the transit time to Ghana etc. this would mean the higher</p>	<p>Payment terms laid down in the General Conditions cannot be changed.</p> <p>The Contracting Authority and the European Union Delegation do not have the discretion to make changes to the General Conditions. Also the Special Conditions do not offer the possibility to make amendments on this specific point.</p>

		<p>percentage of the contract value is outstanding for a considerable amount of time after the goods have been shipped.</p> <p>We are more accustomed to payment terms such as 90% or 80% upon presentation of shipping documents and 10% or 20% payment upon presentation of final acceptance certificate.</p> <p>Therefore the final sum outstanding assures the completion of the contract for the customer's security and is not paid until the goods have been installed, checked and tested.</p>	
		<p>The payment terms shown as 60% Advance and 40% after completion certificate. What will be the mode of payment: by Letter of Credit?</p>	<p>All payments will be done by means of bank transfers.</p> <p>To correct the question it is pointed out that the payment is 40% advance and 60% after certificate of provisional acceptance.</p>
Tax and Customs Arrangements			
	Article 2 (e)		
		<p>We understand that the required shipping terms are DDP. However please be so kind as to clarify the following statements written in the paragraph (e):</p> <p>a) "Imports under supply contracts shall be admitted into the beneficiary ACP state without customs duties, import duties, taxes of rascal charges having equivalent effect". Does this mean that you are exempt from VAT and other import taxes?</p> <p>b) "The contract for supplies originating in the ACP State concerned shall be concluded on the basis of the ex-works price of the supplies to which may be added such internal fiscal charges as may be applicable to those supplies in the ACP state"</p> <p>Do you refer to local supply? If not, does a company located in Europe to pay for fiscal charges when entering the goods in Ghana?</p>	<p>a) Yes. See also the answer above regarding Article 12 of the Instructions to Tenderers.</p> <p>b) This refers to local supply only.</p>
		<p>Could you indicate if the contract is exempted from taxes and custom duties?</p>	<p>The contract terms are DDP notwithstanding the fact that the deliveries under this contract are</p>

		<ul style="list-style-type: none"> • A DDP total price is required in the price schedule form, so the taxes and custom duties are supposed to be included • However, in the taxes and customs arrangements document (article 31 from Annex IV of the Cotonou Agreement), this paragraph explains that taxes and custom duties are not to be included. <p><i>2(a) the contract shall not be subject in the beneficiary ACP State to stamp or registration duties or to fiscal charges having equivalent effect, whether such charges already exist or are to be instituted in the future; however, such contracts shall be registered in accordance with the laws in force in the ACP State and a fee corresponding to the service rendered may be charged for it;</i></p> <p>Could you please confirm that this Contract will be totally exempted from taxes and duties?</p> <p>If the contract is not exempted of taxes, what is the percentage of taxes and custom duties that should be included?</p> <p>Are there some other specific taxes that should be included, if the contract is exempted from taxes?</p>	<p>exempted from taxes and custom duties.</p> <p>See also the answer above regarding Article 12 of the Instructions to Tenderers.</p>
Technical Specifications			
	<i>Spare parts</i>		
		Please clarify better what you intend for fast delivery of spare [parts]	Please refer to Article 32 of the Special Conditions about extended warranty. Fast delivery of spare parts should be within the timeframe specified in that article.
	<i>After sales</i>		
		Please confirm you intend the After sales service when you require "Service/repair contract" in the Annex II+III for every single item. Please confirm that this service has to be included in the final price of the Lot.	<p>Please refer to Article 32 and 33 of the Special Conditions, which should be read in combination, for the minimal content of the After Sales Service, and which is indicated in the technical specifications as 'service/repair contract'.</p> <p>Please refer to Article 11 of the Instruction for Tenderers and the Annex C4g "Model Financial Offer" for which items should be included</p>

			in the final price of the lot.
		Is the after sales service to be set up in Accra or we can do this from other countries?	There is no requirement to set up an after sales service unit in Ghana. The only requirement is that you provide the after sales services within a reasonable period of time (see Article 32 of the Draft Contract: Special Conditions).
	Installation		
		Please confirm that we have to provide onsite installation and testing only for items when it is explicitly required in Annex II+III.	Installation is not limited only to the items for which it is explicitly required in the technical specifications. It is a general obligation to not only to supply and deliver, but also to install equipment as formulated in Article 1.1 of the Instructions to Tenderers and Article 1.1 of the Draft Contract. It will depend on the nature of the equipment whether or not installation is necessary, as well as on the professional experience of the contractors and the place of use.
LOT 1			
	007	Safety Cabinet, Laminar flow, Microbiological	
		Please clarify if the “suitable plinth” mentioned in the technical specifications is the same as a stand or bench underneath the safety cabinet?	It is a stand or bench.
	011	Water purification system	
		How many pre-treatment cartridges are required?	The number of pre-treatment cartridges should be enough for a period of two years standard use.
	013	Water bath, 100 °C	
		Could be accepted a water bath with stability 0.1 instead of 0.07°C?	No, is not acceptable.
		Water Bath, 100°C Please clarify if the starting temperature from ambient +5°C is accepted as well, instead of ambient?	Ambient + 5 °C is acceptable
		The stability for this water bath appears to indicate that a stirred water bath should be supplied, however a standard water bath is requested. If a standard water bath is required please confirm that a stability in the region of 0.1-0.5 deg C is acceptable.	The stability requested is 0.07 °C
	023	Colony Counter	
		Please note an automated colony counter is provided with a CCD camera and not with a magnifier. A	A camera will be considered a “magnifier”

		manual colony counter is provided with a magnifier. So please clarify if you prefer an automated colony counter with CCD camera or a manual colony counter with magnifier?	
	024	<i>Oven, Hot Air</i>	
		<p>The specification for this appears to be taken from a manufacturer with a country of origin that is not eligible for this tender (USA). Furthermore the specification appears to be taken from an oven with a maximum temperature of 250-260°C.</p> <p>As such please confirm that an oven with a temperature of up to 250°C will be acceptable. Also as the specification provided cannot be met 100% due to the country of origin of the specified oven please confirm that slight discrepancies such as the heat-up rates being slightly different to those specified will be acceptable.</p>	The maximum temperature must be more than 250 °C.
	028	<i>Laboratory Knife Mill</i>	
		The specification provided appears to be taken from two different pieces of equipment manufactured by two different companies. Please provide a specification that can be met by just one manufacturer.	The technical requirements for all equipment are based on minimal functional specifications in order to allow for equipment from different manufacturers, and cannot give preference to specific equipment from specific producers.
	031	<i>Pyknometer</i>	
		A calibration certificate delivered by an official authority for the pyknometer. Is a calibration certificate delivered by the manufacturer admissible?	Yes, but only if the manufacturer is accredited to calibrate pyknometers and to issue certificates.
	039	<i>Laboratory grinding mill</i>	
		Could you please provide us with the following technical parameters, feed size, sample volume and final fineness of the grinding samples?	Feed size > 8 mm Final size of particles < 25 µm
		Please provide further technical parameters to enable us to offer a suitable instrument to meet your requirements.	See above. No further specifications are needed.
	046	<i>Drying Cabinet</i>	
		Please clarify if the maximum temperature of 50°C above ambient is acceptable as well? Because in the technical specifications was mentioned > 50°C above ambient.	The maximum temperature must be more than 50 °C above ambient. For example, if room temperature is 20 °C the maximum must be more than 70 °C.
	048	<i>Petri Dishes</i>	
		Please confirm that a Petri dish with	A diameter of 90 – 100 mm is

		a diameter of 90-100mm will be acceptable.	acceptable
	051	Blender, food microbiology	
		What capacity in ml is required?	The blender is for standard food testing microbiology work. The blender and the bags must be of appropriate size. It must be able to handle samples from 100 to 400 ml.
	052	Dishwasher for glass ware	
		Could you please provide us with the capacity of the dishwasher?	Approximately 150 L
	057	Muffle furnace, > 10 L	
		Can it be supplied, instead of with 10 nickel crucibles (up to 800°C) and 10 silica crucibles (up to 1000°C), with 20 alumina crucibles that can work up to 1700°C ?	According to the Bayer process alumina (Al ₂ O ₃) cannot withstand alkaline when heated. Alumina crucibles are therefore not acceptable.
		Please clarify if a heat up time of 60 minutes is acceptable as well instead of < 60 minutes mentioned in the technical specifications?	60 minutes are acceptable.
		Please confirm that crucible tongs of mild steel and 38cm length will be acceptable.	Tongs of 38 cm length are acceptable, but must be of stainless steel as required.
	058	Centrifuge > 4000 RPM	
		The specification calls for a swing out rotor with a capacity of 4 x 50ml OR 4 x 100ml. However both 50ml tubes and 100ml tubes are requested to be supplied with the centrifuge. As such can you please confirm that the specification is correct and EITHER rotor can be supplied? Also can plastic centrifuge tubes be supplied instead of test tubes or are glass test tubes essential?	The centrifuge must be able to handle both 50 ml tube and 100 ml tubes. Either by changing the rotor or by changing the buckets. Glass test tubes are required.
	059	Conductivity meter	
		Please note in the technical specifications is give a measuring range of 0 to 10 MOhm. These values are for the resistivity. Conductivity is measured in mS/cm and Salinity is measured in ppt. So please clarify what kind of meter is requested?	Specifications must be read as follows: Conductivity meter complete for measuring salinity in soil and water samples Measuring range: 0 – 200mS/cm Resolution: 1 mS/cm or better
	060	Oven, Hot Air	
		The specification for this appears to be taken from a manufacturer with a country of origin that is not eligible for this tender (USA). Furthermore the specification appears to be taken from an oven with a maximum temperature of 250-260°C. As such please confirm that an oven	Same as for item 024: the maximum temperature must be more than 250 °C. A 50 l oven would not be rejected.

		<p>with a temperature of up to 250°C will be acceptable. Also as the specification provided cannot be met 100% due to the country of origin of the specified oven please confirm that slight discrepancies such as the heat-up rates being slightly different to those specified will be acceptable.</p> <p>Can you also confirm that an oven with the capacity of 50-60 liters will be acceptable?</p>	
	062	<i>Rotary Flask Shaker</i>	
		Could be accepted a rotary flask shaker suitable for 16 Erlenmeyer flasks of 100ml? Could you please specify better if 20-24 is the maximum number of clamps furnished and if they should be used simultaneously?	Requirements are at least 20 Erlenmeyer flasks of any of the sizes.
		<p>You have requested that the shaker accommodate 20-24 Erlenmeyer flasks of 100ml, 250ml and 500ml. Obviously the sizes vary significantly. As such how many of each size need to fit on the shaker at any one time (i.e. is it 20-24 100ml or 20-24 250ml or 20-24 500ml or is it a combination of the 3, i.e. 7-8 of each size)? If all are required at any one time then a large platform shaker will be required, however large platform shakers do not meet the speed range of up to 400rpm required.</p> <p>Please clarify exactly how many of each size flask should be “shaken” at any one time so we know how many flask clips or alternative shaking platforms need to be included with the instrument.</p>	Requirements are at least 20 Erlenmeyer flasks of any of the sizes.
	063	<i>Oven, Drying</i>	
		Please confirm that a maximum temperature of 250°C will be acceptable as this is a more common range.	Maximum temperature of more than 250 °C is required.
	062	<i>Rotary flask shaker</i>	
		Could be accepted a rotary flask shaker suitable for 16 Erlenmeyer flasks of 100ml? Could you please specify better if 20-24 is the maximum number of clamps furnished and if they should be used simultaneously?	Requirements are at least 20 Erlenmeyer flasks of any of the sizes.
	089	<i>Muffle Furnace > 40 L</i>	

		Can it be supplied, instead of with 10 nickel crucibles (up to 800°C) and 10 silica crucibles (up to 1000°C), with 20 alumina crucibles that can work up to 1700°C ?	According to the Bayer process alumina (Al ₂ O ₃) cannot withstand alkaline when heated. Alumina crucibles are therefore not acceptable.
		Please confirm that crucible tongs of mild steel and 38cm length will be acceptable.	Tongs of 38 cm length are acceptable, but must be of stainless steel as required.
	093	<i>Shaker, Reciprocal</i>	
		Could be accepted a reciprocal shaker with speed range 50-250 rpm instead of 20-300rpm?	50 – 250 rpm can be accepted.
		In the technical specifications is mentioned a speed in the range of <20 to ≥300 rpm. Could you please clarify if a speed of 20 up to 300 rpm is acceptable as well?	It is acceptable
		You have requested necessary attachments for Erlenmeyer flasks, bottles and separator funnels of 100-500ml. Please clarify how many of each will be “shaken” at any one time so that we can include the correct accessories.	Up to 20 Erlenmeyer flasks at the same time.
	094	<i>Ice Flaker</i>	
		Please note in the technical specification is mentioned that this unit needs to produce ice cubes and ice flakes. For the ice flakes and ice cubes you need to complete different kind of manufacturing techniques. So please clarify if you accept an ice cube machine or an ice flake machine?	Equipment for ice flakes is requested. If, additionally the machine can make ice cubes too, it will not be rejected.
		Please confirm if we can supply an ice flaker for producing cubes or flakes.	See the answer above.
	095	<i>Refrigerator/freezer</i>	
		It can be accepted a refrigerator/freezer with the capacity of freezer of 100 litres?	Yes
	101	<i>References for microbiology</i>	
		Please clarify if Proteus mirabis is the same as Proteus mirabilis?	It is the same. The name was misspelled.
	102	<i>Fume Hood, table top</i>	
		Could be accepted a fixed sash positioning system instead of an automatic one?	The requirement is an automatic positioning system.
		Could be accepted a stainless steel, polyethylene or ceramic worktop instead of an epoxy resin worktop?	A non-corrosive worktop can be accepted.
	103	<i>Sieves</i>	
		In the technical specifications is mentioned 4 different mesh sizes. Please clarify if these are in micron?	The mesh size is in µm (micrometer).
	110	<i>Glass ware for chemistry II</i>	

		In the technical specifications are mentioned boiling tubes large and boiling tube rack large, holding capacity of 10. Could you please clarify the dimensions of these boiling tubes and also if the boiling rack is the same as a test tube rack?	The boiling tube should be 10 – 20 ml. The boiling rack is a test tube rack that withstands boiling.
	111	<i>Tripod stand</i>	
		In the technical specifications is mentioned an asbestos sheet. Please clarify when this sheet is Asbestos free, if this is acceptable as well?	Asbestos free “asbestos” is preferred
	117	<i>Desiccator</i>	
		In the technical specifications is mentioned an internal diameter of 250mm. Please clarify if a DN250 is acceptable as well?	Yes, it is acceptable
	137	<i>Muffle Furnace >20 L</i>	
		Can it be supplied, instead of with 10 nickel crucibles (up to 800°C) and 10 silica crucibles (up to 1000°C), with 20 alumina crucibles that can work up to 1700°C ?	According to the Bayer process alumina (Al ₂ O ₃) cannot withstand alkaline when heated. Alumina crucibles are therefore not acceptable.
		Please confirm that crucible tongs of mild steel and 38cm length will be acceptable.	Tongs of 38 cm length are acceptable, but must be of stainless steel as required.
	143	<i>Inspection Tables</i>	
		Please provide further detailed technical specifications for this item	No further specifications are needed.
	145	<i>Grain probe</i>	
		We need to include 3 different types of grain probes. Please specify these types?	Approximately 1 meter, 2 meters, and 3 meters
		Please provide further detailed technical specifications for this item	See above
	147	<i>Seed Sampler</i>	
		Please provide further detailed technical specifications for this item	No further specifications are needed.
	158	<i>Bottle Top Dispenser</i>	
		Please note this is literally written towards one specific brand. Only the volume range from 0.2 to 25ml is not available in the market. Could you please clarify if you will accept 2 bottle top dispensers in this package? One piece with a volume range of 0.2 up to 2ml and the other 2 up to 25ml.	2 or more dispensers are acceptable.
	162	<i>Cork Borer</i>	
		It is proving very difficult to locate a supplier of a cork borer set that starts at 2mm. Please confirm that a set starting at 4mm will be acceptable.	Starting at 4 mm is acceptable.
	163	<i>Fume hoods, Floor standing</i>	
		Please clarify better what do you	The specifications must be read as

		mean with "180 cm upper superstructure"	<p>follows with changes in <i>bold italics</i></p> <p>Fume hoods:</p> <ol style="list-style-type: none"> 1. Fume hood <i>1200 mm wide</i> for handling acids, bases, and organic solvents, fitted with <ol style="list-style-type: none"> a. Lighting b. Function indicator c. Cold water tap d. A sink, larger than 300 x 300 mm, with drainage e. LPG tap f. Under-bench storage cupboards, one for acids and one for bases View through face opening for optimal visibility of hood interior Vertical rising sash Auto sash positioning system Sash should not block auxiliary air even when fully open, with adjustable upper baffle to allow variety of openings for exhaust air to escape and with adjustable lower baffle to permit control of air flow across the work surface. With vapour-proof lamp and interior remote controlled fixtures for water and gas. <i>Non-corrosive</i> worktop and <i>non-corrosive</i> interior superstructure lining. With <i>1200 mm</i> wide <i>non-corrosive</i> base cabinets (with 2 doors) and <i>1200 mm carrying</i> structure. Base cabinets to have a toe space bottom with levelling mechanism. Both external exhaust blower plus supply blower to be controlled by <i>the same</i> switch. To be mounted at an outer wall. Acid, base, and organic solvent resistant exhaust ducting system shall be provided with all necessary fittings and accessories. 2. Fume hood 1200 mm wide for handling acids, bases, and organic solvents, fitted with <ol style="list-style-type: none"> a. Lighting b. Function indicator c. Cold water tap d. A sink, larger than 150 x 150 mm, with drainage e. LPG tap f. Under-bench storage cupboards for organic solvents View through face opening for
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			<p>optimal visibility of hood interior</p> <p>Vertical rising sash</p> <p>Auto sash positioning system</p> <p>Sash should not block auxiliary air even when fully open, with adjustable upper baffle to allow variety of openings for exhaust air to escape and with adjustable lower baffle to permit control of air flow across the work surface.</p> <p>With vapour-proof lamp and interior remote controlled fixtures for water and gas.</p> <p>Non-corrosive worktop and non-corrosive interior superstructure lining.</p> <p>With 1200 mm wide non-corrosive base cabinets (with 2 doors) and 1200 mm carrying structure. Base cabinets to have a toe space bottom with levelling mechanism. Both external exhaust blower plus supply blower to be controlled by the same switch.</p> <p>To be mounted at an outer wall.</p> <p>Acid, base, and organic solvent resistant exhaust ducting system shall be provided with all necessary fittings and accessories.</p> <p>NOTE: The two above mentioned fume cupboards can be combined into one 2400 mm wide fume hood divided in the middle. The ventilation system must be separate for the two halves.</p>
		Please clarify better the dimension of the hood or hoods: we have to propose a 1200mm hood + an 1800mm Hood or a single 2400mm hood divided in the middle?	See above
		Please clarify if instead of "Epoxy resin worktop and epoxy resin interior superstructure lining" we can propose an epoxy resin worktop and an aluminium superstructure (epoxy coated) or a PVC worktop and superstructure?	See above
		Please clarify better "Both external exhaust blower plus supply blower to be controlled by one switch": both blower has to be controlled by only one switch or by one switch each? In the first case it could be acceptable propose a single blower for both the hood?	See above

		According to the technical specifications here are 2 cabinets included. Please note there is a discrepancy in the specifications. The specifications mentioned that both hoods are provided with steel cabinets of 1800mm wide. At the end of the specifications is mentioned in the note that you can combine the 2 cabinets into 1 and that you have a 2400mm wide fume hood. If you combine the cabinets the total width is 3600mm. So please clarify which width is acceptable, 2 hoods with 2 cabinets of 1200mm or 2 hoods and 2 cabinets of 1800mm?	See above
	166	<i>Shaking Incubator</i>	
		Could be accepted a shaking incubator with speed range 100-400 rpm instead of 30-400rpm?	100 to 400 rpm can be accepted.
		Could be accepted a shaking incubator with speed range 10-250 rpm instead of 30-400rpm?	See answer above.
		The specification for this appears to be taken from a manufacturer in a country that is not eligible for this tender (USA). As such please confirm that slight discrepancies to the specification such as speed range, temperature uniformity will be acceptable.	In principle slight discrepancies (meaning less than required) will not be accepted, because "slight" is not an exact term and therefore open to many interpretations.
	167	<i>Centrifuge, Micro</i>	
		Micro centrifuges tend to have a top speed of around 14,000-18,000 rpm. Please confirm that a centrifuge supplied within this top speed range will be acceptable.	The top speed can be lower than specified, but the maximum of 12.000 RCF must be maintained.
	171	<i>Microwave Oven</i>	
		The microwave oven specified has a country of origin that is not eligible for this tender. As equipment like this tends to be manufactured in the Far East please consider a derogation to the rules of origin for this item.	There are about 100 eligible countries of origin
	172	<i>Washing Machine</i>	
		The washing machine specified has a country of origin that is not eligible for this tender. As equipment like this tends to be manufactured in the Far East please consider a derogation to the rules of origin for this item.	There are about 100 eligible countries of origin.
	173	<i>Consumables, microbiology</i>	
		Please specify the length of the platinum Iridium wire?	The length must be one meter or more.

		Please specify the dimensions of the Eppendorf tubes?	The size must be approximately two ml.
	175	Oven, Hot Air	
		<p>The specification for this appears to be taken from a manufacturer with a country of origin that is not eligible for this tender (USA). Furthermore the specification appears to be taken from an oven with a maximum temperature of 250-260°C.</p> <p>As such please confirm that an oven with a temperature of up to 250°C will be acceptable. Also as the specification provided cannot be met 100% due to the country of origin of the specified oven please confirm that slight discrepancies such as the heat-up rates being slightly different to those specified will be acceptable.</p>	<p>Same as for item 024: the maximum temperature must be more than 250 °C</p> <p>There are about 100 eligible countries of origin.</p>
	177	Sampling Bags for Plant Samples	
		Please confirm that simple brown paper bags are all that is required for this.	Confirmed
	178	Petri Dishes	
		Please confirm that Petri dishes with diameters of 60-75mm and 90-100mm will be acceptable.	60 – 75 mm and 90 – 100 mm are acceptable
	179	Penknives	
		Can you please elaborate on what exactly is required? “Blunt tip” and “sharp tip” does not make much sense in regards to penknives. Penknives tend to have an array of different tools.	We need penknives with different shapes for dissection of plants.
	181	Gibberellic acid	
		Please clarify if 2 grams is acceptable, because 2 kg costs over the 100.00,-- euro's?	90% purity grade will be accepted. Prices found on the Internet is about EUR 150 per kilogram.
	187	Plant House	
		These “plant houses” appear to be more common with plastic sheeting instead of netting. Can plastic sheeting be provided instead of netting?	Netting is needed. Plastic sheeting will have a greenhouse effect. The aim is to exclude insects from the plants growing underneath.
	189	Conical Divider	
		Please provide further detailed technical specifications for this	No further specifications are needed
	192	Moisture Meter	
		Please provide further detailed technical specifications for this	A portable instrument for measuring moisture in grains.
	193	Tetrazolium salt	
		Please clarify if this salt needs to be purple, deep blue or orange?	Tetrazolium chloride is required.
LOT 2			

	073	HPLC with DAR/IR detector	
	184	HPLC with UV/IR detector	
		Concerning the IR detector: Is the IR detector in both HPLC “online” or an extra FTIR instrument? There are two choices, as follows <ul style="list-style-type: none"> • Online IR with HPLC • The customer can collect the sample from HPLC “fraction collector” and measure it in an external FTIR. 	<p>Item No 073 – HPLC with DAD/IR detector: The IR must be “online” and not for external measurement.</p> <p>Item No 184 – HPLC with UV/IR detector: The infrared detector (IR) must be changed into a <u>refractive index (RI) detector</u> with the following specifications:</p> <ul style="list-style-type: none"> • Refractive index: 1.00 – 1.75 or better • Flow rate: 0.2 to 3.0 ml/min or better • Flow cell volume < 15 µl
	098	Hollow cathode lamps	
		The specification asks for lamps for a WAGTECH S4 series AAS. Our searches reveal there is no such item as a WAGTECH S4 series AAS. Is it correct to assume the lamps are for the AAS requested in Item 044 of this Lot?	The assumption is incorrect; the lamps are not indented for use with the AAS of specification 044 in Lot 2. The lamps will be used for an atomic absorption photospectrometer at another laboratory. This AAS has been operated for some time, and its nameplate reads WAGTECH S4.
		Please be informed that WAGTECH is a distributor and not a manufacturer. Please confirm to us the actual brand of the S4 AAS (e.g. Thermo) and serial number.	No more information is available
LOT 3			
	005	Weights – for monitoring balances	
		No class is specified for the weights mean while it is in other similar items. Could you please specify which weight class in accordance with OIML R111 will be accepted as valid?	Class F1 or better will be acceptable.
		Can you please advise what OIML class weights are required (E1, E2, F1, F2, M1, M2, M3)?	OIML class F1 or better.
	054	Balance, Analytical, 4 place, ≥ 300g	
		It can be supplied a balance with LCD display instead of LED display?	Yes
	055	Balance, Top pan, 1600 g	
	134	Balance, Top Pan – 1 place, 4000g	
	141	Balance, Top Pan – 1 place, 3000g	
		It could be accepted a weighing pan circular instead rectangular?	Yes
	088	Balance, Top Pan – 2 place, 400g	
		It could be accepted a weighing pan rectangular instead than circular?	Yes

	200	<i>Set of Weights, OIML Class F1, 1g to 1 kg</i>	
		Could be accepted weights with adjustment chamber?	It is required <u>without</u> an adjustment chamber.
	344	<i>Set of Weights OIML class F1, 20 kg (Quantity: 50) and 1000 kg (Quantity: 2)</i>	
		Could be accepted weights in round shape instead of rectangular shape?	Rectangular shape is required.
	345	<i>2000 kg Mass comparator F2 (500 kg to 2000 kg)</i>	
		Could you confirm the repeatability and the repeatability (typical) for the requested balance? It can be accepted respectively 8 and 5 g?	A mistake has been made in the required specifications. Instead of <ul style="list-style-type: none"> • Repeatability, s: 8 µg • Repeatability (typical), s: 5 µg It should be: <ul style="list-style-type: none"> • Repeatability, s: 8 g • Repeatability (typical), s: 5 g
	375	<i>Test weights 1000 kg for weighbridges, class M2</i>	
		Could be accepted rectangular weight instead of cylindrical shape?	Cylindrical rolling weights are required as specified.
	396	<i>2 kg Manual Mass Comparator F1 (200 g – 2 kg)</i>	
		It could be accepted a manual mass comparator with manual draft shield instead of motorized one and with off-centre loading error 100ug/mm instead of 30 ug/mm?	Manual draft shield is acceptable, the other specifications are mandatory.
LOT 4			
	025	<i>Polarimeter, Semiautomatic</i>	
		It can be accepted a polarimeter with rotation from -90 to +90 instead of from -180 to 180°	No, is not acceptable.
		The instrument specified appears to be on non-eligible origin (Japan). Please provide a specification from a manufacturer in an eligible country.	The technical requirements for all equipment are based on minimal functional specifications in order to allow for equipment from different manufacturers, and cannot give preference to specific equipment from specific producers.
	029	<i>Combustion Calorimeter</i>	
		Please provide further detailed technical specifications for this item	Further specifications are not needed
	030	<i>Fibre Analysis System</i>	
		Please provide further detailed technical specifications for this item	Further specifications are not needed
	040	<i>Protein/Nitrogen analyser, Kjeldahl principle</i>	
		Please confirm you will also accept a system that works according to Dumas method as this will exceed all specifications. Please confirm you will also accept a system with a sample size of <1g which will exceed the mentioned	The Kjeldahl principle is required. Sample size > 1g is accepted. Minimum sample size must be < 1g.

		specs of >1g.	
	091	<i>Sulphur Analyser for Fuels</i>	
		The instrument specified appears to be on non-eligible origin (Japan). Please provide a specification from a manufacturer in an eligible country	The technical requirements for all equipment are based on minimal functional specifications in order to allow for equipment from different manufacturers, and cannot give preference to specific equipment from specific producers.
	092	<i>Melting Point Apparatus</i>	
		Please note that the specification provided is for an instrument that is now discontinued. As such the parameters cannot be met 100%. Please confirm that a temperature accuracy of 2.5°C at 360°C will be acceptable.	Accuracy of 2.5 °C can be accepted
	096	<i>Auto-sampler for WAGTECH AAS</i>	
		Please be informed that WAGTECH is a distributor and not a manufacturer. Please confirm to us the actual brand of the S4 AAS (e.g. Thermo) and serial number.	No more information is available
	099	<i>Dairy Product Analyser</i>	
		Please provide further detailed technical specifications for this item	Further specifications are not needed
	133	<i>Auto-diluter for WAGTECH AAS</i>	
		Please be informed that WAGTECH is a distributor and not a manufacturer. Please confirm to us the actual brand of the S4 AAS (e.g. Thermo) and serial number.	No more information is available
	155	<i>Soil Moisture Meter, Portable</i>	
		The instrument specified appears to be on non-eligible origin (USA). Please provide a specification from a manufacturer in an eligible country.	The specifications must be read as follows: Soil moisture meter, Portable Soil moisture content measurement from 0 to > 50% • Records of moisture readings With an accredited calibration certificate
	156	<i>Penetrometer, Field</i>	
		The instrument specified appears to be on non-eligible origin (USA). Please provide a specification from a manufacturer in an eligible country.	The specifications must be read as follows: Penetrometer, Field Soil penetrometer including: • Large, easy-to-read display Maximum pressure 100KN/m2 • Display units: kg per cm2
	157	<i>Penetrometer, Pocket</i>	
		The instrument specified appears to be on non-eligible origin (USA). Please provide a specification from a manufacturer in an eligible country.	The specifications must be read as follows: Penetrometer, Pocket Soil penetrometer including: Indicate: Consistency, shear strength, and

			approximate unconfined shear strength. Direct-reading scale kg/sq cm—corresponds to equivalent unconfined compressive strength. Range: 0 to 4.5 tons.
	165	<i>DNA based Pathogen detection kits</i>	
		None of the s under this header have been specified so we are not quit clear what it is you require exactly and what values you are looking for. Would you be able to provide us with some minimum specifications for the s?	We are looking for a basic complete system for food microbiology.
		This item appears to be made up of various different components (instruments and detection kits). Please provide detailed technical specifications for each item required under this line item so that we can offer accordingly.	See answer above
	174	<i>Auto-Analyser for Food Samples</i>	
		The specification provided appears to be a mixture of two different instruments that are manufactured by the same manufacturer. Please review the specifications provided and amend so that only one instrument specification is provided.	No further requirements are needed
	194	<i>Seed Counter</i>	
		The instrument specified appears to be on non-eligible origin (India). Please provide a specification from a manufacturer in an eligible country.	European producers of counting systems can be found on the Internet.
	195	<i>Seed Counter, Vacuum</i>	
		The instrument specified appears to be on non-eligible origin (India). Please provide a specification from a manufacturer in an eligible country.	European producers of counting systems can be found on the Internet.
LOT 5			
	126	<i>Pensky-Martens Closed Cup Flash Point Apparatus</i>	
		It can be accepted an apparatus with working temperature ambient to 360°C instead of to 400°C? The proposed apparatus is capable in fulfilling the test method ASTM-D93 as required. The requirement of a working range up to 400°C it seems that it refers to a unique and specific instrument on the market.	The equipment must be able to fulfil ASTM-D93 regardless of the temperature.
		It can be supplied a system that use the method ASTM 6250 instead of ASTM D93?	ASTM D93 is required.
		It can be supplied a system that use the method D93 but without the sample changer for 8 (at least) test	No, the sample changer is needed.

		cuos?	
	128	<i>Distillation unit for testing fuels</i>	
		It can be supplied a distillation unit complying with ASTM D86 OR ASTM D1160 instead of ASTM D86 AND ASTM D1160? Or could be accepted 2 different distillation unit (one for ASTM D86 and one for ASTM D1160) We don't think that a distillation unit complying with both method is available on the market. In any case the ASTM D86 it should supplied with a Peltier cell cooling but the distillation unit for ASTM D1160 has an external chiller. It could be accepted?	<p>A system not using refrigerant or coolants can be accepted.</p> <p>Two instruments can be accepted.</p> <p>An external chiller can be accepted in case it meets similar cooling requirements.</p>
		It can be accepted an apparatus with an internal cooling system instead of a Peltier cell cooling? The proposed apparatus is capable in fulfilling the test method ASTM-D86 as required. The requirement of a working range up to 400°C it seems that it refers to a single and specific instrument on the market	<p>Internal cooling can be accepted if it does not use refrigerants or coolants</p> <p>The equipment must be able to fulfil ASTM-D86 regardless of the temperature.</p>
	129	<i>Reference materials for flash point testers</i>	
		Please specify if the reference material should be used for ASTM D93 (58°C, 72°C, 113°C, 132°C, 155°C, 218°C) or ASTM D92 (116°C, 137°C, 163°C and 224°C)?	<p>Four different reference materials are specified.</p> <p>One must be in the range of 45 - 55°C with accuracy: $\pm 2^{\circ}\text{C}$.</p> <p>Another must be in the range of 95 - 105°C with accuracy: $\pm 2^{\circ}\text{C}$</p> <p>A third must be in the range of 140 - 160°C, Accuracy: $\pm 5^{\circ}\text{C}$</p> <p>The last one must be in the range of 180 - 220°C, Accuracy: $\pm 5^{\circ}\text{C}$</p> <p>The value should not be affected by the method used.</p>
LOT 6			
	303	<i>Grade 00 stainless steel gauge blocks</i>	
		The new normative ISO 3650 doesn't reach anymore the 00 grade. Please indicate if you require the better K grade or it could be accepted also the 0 grade?	Specifications of the old grade 00 standard apply.
	306	<i>Precision Vertical Height gauge, 0 to 1000 mm</i>	
		It can be accepted a system that fulfil all the requirements without the necessity of an external PC and software? The control unit of the system can control and store all the measured data and the saved file could be easily export in a USB stick	Internal automated system instead of external PC control may be acceptable, as long as several measuring sequences and data analysis can be programmed and easy data transfer to PC is taken care of.

		(included) and from the USB pen to a pc and read with excel or an equivalent software.	
		It can be accepted a system that fulfil all the requirements except the carbide tipped scribes?	Only if durability equivalent to carbide can be demonstrated, this might be acceptable.
	308	<i>Tape and line measures calibration bench, 2m</i>	
		Is it expected that a 10m tape is to be calibrated on a 2m bench?	Yes
		Regarding the term "Displacement uncertainty": does this mean "measurement uncertainty"?	Yes
		Is it acceptable to have a manual system without controller PC or software?	A manually operated system is acceptable, provided that measurement indication should be digital/electronic and data output to the system controller PC is provided.
		Is it acceptable for the system to have been calibrated using "traceable artefacts" instead of providing a calibration certificate?	It is acceptable, if calibration is done on site after installation of the tape measuring bench in the laboratory, and a full report on the calibration and its results are provided.
		Regarding "temperature uncertainty": This will be dependent on the bench location environment. Environment control is not included on the bench and is expected to be provided and installed in the facility by the end user. Please confirm.	The bench will be installed in an existing laboratory that offers a controlled environment, including temperature. No environmental control equipment is requested. It is, however, pointed out that the technical specification requires that the test bench is equipped with integrated temperature sensors in at least 5 positions.
	311	<i>Precision stainless steel measuring tapes 10 m, 50 m and 100 m</i>	
		Could be accepted a precision measuring tapes 10 m, 50 m and 100 m in fiberglass or other material instead of stainless steel?	Stainless steel is required. For 50 m and 100 m tapes only: Tolerance $0.1 \text{ mm} + 0.1 \text{ mm} \times L$ (where L = the measured length in metres, rounded up to the nearest full metre), over the total length at 20 °C and a pull force of 50 N on the tape (this is equivalent to EC class I) Additional tolerance for the end hook: 0.1 mm. The tapes need to be calibrated at the same accuracy (at Confidence Level of 95% or k=2) as the tolerance or better, at 5 points equally spread over the length of

			the tape.
LOT 7			
	019	<i>Thermometer, reference for general laboratory use</i>	
		It can be accepted an increment of 0.25 instead of 0.1?	No; the 0.1 °C increment is required for a reference thermometer.
	082	<i>Thermo hygrometer</i>	
		It can be accepted an accuracy of 0.3 °C and 1.5%RH instead of 0.1°C and 1%RH?	No, is not acceptable.
	159	<i>Temperature data logger, digital, for microbiology</i>	
		It can be accepted an accuracy of 0.25°C instead of 0.2°C?	No, is not acceptable
	365	<i>TC probe type K, long flexible stem</i>	
		Could be accepted a K thermocouple with maximum temperature 1000°C?	Max 1200 °C is required as specified.
	406	<i>Service and repair of Furnace</i>	
		It is understood that the quartz fixed point cells are not included in the service and repair, and that should they subsequently be found to be damaged, replacement will be the subject of a future, separate contract. Please confirm.	We confirm that the quartz fixed point cells are <u>not</u> included.
LOT 8			
	341	<i>Electronic Force Transducers</i>	
		Force transducers ISO 376 class 00 (10kN, 50kN, 200kN and 1000kN for compression and tension loads and 5MN for compression load) and 2 channel measuring amplifier is possible. Is a set of force transducers according ISO 376 class 00 and one two channel measuring amplifier ok?	Yes. See also "Clarification Lot 8" published on the EuropeAid website on 26 April 2013.
		In which class should be the Electronic Force Transducers? 00, 0.5 or 1?	See "Clarification Lot 8" published on the EuropeAid website on 26 April 2013.
		The electronic force transducers should work in compression, traction or both?	See also "Clarification Lot 8" published on the EuropeAid website on 26 April 2013.
	342	<i>Universal Force Machine up to 6000kN</i>	
		Is a 5MN machine instead 6MN machine ok? The biggest transducer in item 341 is 5MN. - Our 5MN hydraulic force calibration machine has a special build in double reference force measuring system. This system remains all the time in the machine and cannot be changed by the user. The measuring range of a 5MN machine is from 100kN up to 5MN. So you cannot calibrate 10kN, 50kN and 200kN with this 5MN machine	Force machine should match the ranges of the transducers of item 341. If this cannot be realized with one machine, more than one should be offered to cover the full range. Transducers of Item 341 are intended to be used as references/standards for the force machine(s). They should not be fixed, as they must be able to be calibrated externally. The only criterion for the force machine(s) is that the stability and repeatability

		Should we give quotation for this 5MN fully automatic hydraulic force calibration machine?	should be sufficient for the transducers of item 341 to be used to their level of accuracy. We are NOT looking for a standard force machine of higher accuracy level than the force transducers of item 341. See also "Clarification Lot 8" published on the EuropeAid website on 26 April 2013.
	343	<i>Torque Transducers</i>	
		Torque transducers (50Nm, 200Nm, 1000Nm and 5000Nm) DIN 51309 class 0.05 and 2 channel measuring amplifier is possible. Is a set of torque transducers according DIN 51309 class 0.05 and one two channel measuring amplifier ok?	See "Clarification Lot 8" published on the EuropeAid website on 26 April 2013.
		The Torque transducers should be calibrated clockwise or counter clockwise or both?	Both directions.
	414	<i>Torque Generator</i>	
		Torque calibration machine 5000Nm. For what kind of machine are you looking? Please specify – (Jockey weight – Machine with deadweights –Torque calibrator with references)	Torque Transducers of item 343 are to be used as references for the torque. The only criterion for the machine is that the stability and repeatability can be realized so the transducers can be used to their specifications. We are NOT looking for a high level torque standard of better specifications than the references of item 343. See also "Clarification Lot 8" published on the EuropeAid website on 26 April 2013.
	380	<i>Electronic Force Transducers</i>	
		Force transducers ISO 376 class 05 for compression and tension loads and 2 channel measuring amplifier is possible. But this transducers cannot be used as reference in GTM 5MN hydraulic machine. Is a set of force transducers according ISO 376 class 05 and one two channel measuring amplifier ok?	These transducers are not to be used as references for a high level force calibration machine, but as references for the calibration of industrial force machines and similar. See also "Clarification Lot 8" published on the EuropeAid website on 26 April 2013.
	425	<i>Precision barometric pressure monitor</i>	
		What quantity is required?	One
LOT 9			
	318	<i>Resistance bridge 1 mΩ to 100 MΩ, with Matrix Scanner</i>	
		Can you clarify the uncertainty	The uncertainty specifications for

		requirements for 1:1 ratios for the entire range of 0.001 Ω to 100 M Ω ?	the resistance measurement bridge are stated in the form of typical best uncertainties, i.e. they refer to the resistance ranges where the best performance of the instrument is realised. They are typical values in that guaranteed values may slightly differ from the values stated.
		What is the required specification for 10:1 ratios from 10 k Ω to 100 M Ω ?	Ratio uncertainty: 0.2×10^{-6} at 100 k Ω , increasing to 7×10^{-6} at 100 M Ω
		The requirement is for a 'Factory calibration certificate'. If the 'factory' or manufacturing company for the DCC Resistance Bridge is not accredited, as per the ISO 17025 standard and associated international agreements, at the requested uncertainty specifications (e.g. 0.04 ppm for 1:1 ratios and 0.05 ppm for 10:1 ratios), is a factory calibration certificate still acceptable? Or is an accredited ISO 17025 or NMI calibration certificate required at the specified uncertainty specifications?	For the resistance bridge and the matrix scanner a factory calibration certificate is sufficient. Therefore, a certificate from an ISO 17025 accredited calibration laboratory or a NMI certificate is not required, but also accepted.
		Can you clarify what the calibration certificate should address? For example: <ul style="list-style-type: none"> • Temperature Set Point Accuracy: ± 0.06 $^{\circ}\text{C}$. At what temperature points should the Set Point Accuracy be calibrated? • Temperature Stability: ± 0.03 $^{\circ}\text{C}$ over 24 hours. At what temperature point(s) should the temperature stability be monitored for 24 hours to confirm stability? • Temperature Uniformity: ± 0.2 $^{\circ}\text{C}$. At what temperature point(s) should temperature uniformity be monitored, and at how many places inside the air bath. Also how far away from the air bath walls should the temperature uniformity be monitored? Typically there is less air flow very close to the wall of an Air Thermostat which affects temperature uniformity. 	Air thermostat for resistors: certificate should address: <ul style="list-style-type: none"> • Temperature Set Point Accuracy: ± 0.06 $^{\circ}\text{C}$, to be calibrated at 23 $^{\circ}\text{C}$. • Temperature Stability: ± 0.03 $^{\circ}\text{C}$ over 24 hours at 23 $^{\circ}\text{C}$. • Temperature uniformity: ± 0.2 $^{\circ}\text{C}$ at 23 $^{\circ}\text{C}$. To be measured at the locations where resistors would normally be placed, with reference to a suitable central position, e.g. about 5 cm from the walls in 2 corners at each shelf level. ± 0.2 $^{\circ}\text{C}$ is a typical target level rather than a guaranteed uniformity, since this is also dependent on the placement and shape of the resistors.
LOT 10			
	370	<i>Fuel dispenser check measures set 5, 10 and 20 L incl. carrying cases</i>	

		Please specify if you require 3 measures for each volume (3 x 5l + 3 x 10l + 3 x 20l) or 3 measures in total (1 x 5l + 1 x 10l + 1 x 20l)	3 measures for each volume.
	376	<i>Set of measuring cylinders (graduated), 100 ml, 200 ml, 500 ml, 1 L and 2 L, grade A</i>	
		Please specify if you require 10 cylinders for each volume or 10 cylinders in total (2 for each volume)	10 sets of 5 cylinders each.
	378	<i>Water meter test bench DN15 to DN40 (upgrade of existing system), with controller hardware and software</i>	
		<p>Please consider that the features described in the technical specification are not enough for an accurate evaluation of the job.</p> <ul style="list-style-type: none"> - where we do not have information about the control functions of existing elements (e.g. output from the ultrasonic meter type or telegram description for the existing control system) - It is not clear from the document which existing parts can be used for upgrading test bench - The recommended system is not very usual for this size of meters - It is nearly impossible to working out serious offer without visiting the existing equipment to see the real state and decide which parts must be replaced. <p>For this reasons we ask if you could give more information Checking and describing the actual situation on site or give us lots (20, 30) of photo of the existing instruments and more technical data</p>	<p>Apart from the specifications, some more detail was given at the end of the technical specifications Annex III for Lot 10 (<i>“Additional information on selected items for better understanding the nature of the repairs / refurbishment required”</i>).</p> <p>An opportunity for a site visit has been indicated in the Instructions to Tenderers, Article 14, but the date is now past.</p> <p>Few photos are added in separate file.</p> <p>The suggested approach is to include new equipment for everything you are not sure of in the existing equipment.</p>
LOT 11			
	382	<i>Microphone and sound level meter calibration system, including microphones and controller hardware and software</i>	
		It can be accepted a system that is semi-automatic and manual? The automatic calibrations is forbidden by the international standard and by the NMI to permit a better accuracy of the measurement.	The word “automatic” does not appear in the specification requirements.
	384	<i>Sound Level Meter</i>	
		It can be accepted a SLM with frequency weightings A, C, Z (linear) instead of A, B, C, Z (linear)? The weight B is no more used on the	A, C, Z (linear) is acceptable.

		market.	
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