

ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Procurement of vehicles, furniture and IT equipment for the project “Increasing the Effectiveness of Employment Policies Towards Disadvantaged Groups”, implemented by the National Employment Service

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Publication reference: 0045-4049-1/2015

Column 1-2 should be completed by the Contracting Authority

Column 3-4 should be completed by the tenderer

Column 5 is reserved for the evaluation committee

Annex III - the Contractor's technical offer

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the Contracting Authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words “compliant” or “yes” are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

Project description

The subject of the contract is the delivery, installation(for Lot 2 and Lot 3), putting into operation, inspection, testing, and warranty by the Contractor of the specified goods in three lots for the National Employment Service of the Republic of Serbia.

The Beneficiary for all goods defined in this tender is **National Employment Service(NES)**.

The Incoterm applicable shall be DDP¹ (Delivered Duty Paid) excluding VAT and other import/custom duties and taxes, with completion of delivery 90 days from the commencement date.

Minimum requirements and supporting documentation

Tenderers are required to demonstrate that offered specifications are responsive to the Tender Dossier requirements identifying model and manufacturer of each individual item in their Technical Offer providing necessary documentation (catalogues, brochures, manuals and/or booklets etc.) with detailed technical specifications of equipment being offered thus enabling the Contracting Authority to verify the information provided in the offer.

Technical specifications described in column 2, Table Annex III: The Contractor's technical offer are the **minimum** requirements. Tenderer may offer better specs, with improved, additional or new features, but must not provide offer not strictly complying with the minimum requirements.

1. GENERAL REQUIREMENTS

1.1 Technical Requirements for all Lots

1. All the equipment shall be provided complete with the necessary accessories and/or parts such as to ensure that the unit is capable of operating to the required technical and quality specifications. All specifications details listed within for each item is the minimum requirements. Any improvements on the specifications or additional features offered should be clearly identified in the Tenderer's offer.
2. The type of supplied voltage in Serbia is 220V (single-phase) and 380 V AC (three-phase) with neutral, 50 Hz nominal. The quality and stability of the supplied current may undergo fluctuations (+ and -) of more than 10%, and all equipment must be capable to operate on mains supply voltage with such fluctuations. All plugs of all the supplied equipment have to fit exactly. All equipment must be designed for direct connection to the standard single phase/three phase power outlets in Serbia
3. The tenderer shall acquaint themselves with the climate conditions of the places of delivery. Unless otherwise stated, all hardware units must be operable in an office environment with regards to following temperature, humidity and dust conditions:
 - i. Operating temperature : 10°C - 40°C
 - ii. Relative Humidity : 20% - 80%
4. The Tenderer shall confirm that the tendered equipment complies with applicable EU standards and certifications. Standards and codes including addenda shall be valid at the date of submitting the tender.

¹

DDP (Delivered Duty Paid) - Incoterms 2000 International Chamber of Commerce - <http://www.iccwbo.org/incoterms/id3040/index.html>

5. The supplier will be responsible for advising of any Health & Safety risks associated with equipment provided and of suitable protective measures.
6. The Tenderer shall clearly state in the attached detailed Technical Specifications the proposed manufacturers and country of origin.
7. All equipment must be supplied with full technical documentation comprising, at the minimum, operation manual, and service manual. This documentation must be supplied, at the time of delivery of the equipment, in English, and if applicable in the Serbian language, unless stated otherwise. It is the sole responsibility of the Tenderer to ensure that the supplies are certified as required. In addition to the requirements stipulated elsewhere in the tender document, the Tenderer shall with his tender provide brochures, leaflets and other documentation specifying the tendered supply in an unambiguous manner.
8. All software shall be licensed to the related Beneficiary.
9. The Contractor shall obtain requisite permits and export licenses regarding the requirements of any laws and regulations that is unique to item being procured for importing.
10. Equipment which allows upgrading of capacities shall be provided in such a way that upgrades can be performed by installing capacity without discarding the already installed capacities.

1.2 Installation and Putting into Operation of equipment

1. The equipment must be delivered with all material essential for immediate and complete operating such as power supply cables, network cables, USB connection cables, interfaces and installation CD, protecting covers, packages and other standard accessories.
2. Installation and put into operation by the Contractor of the equipment is required.
3. The Contractor shall submit with his tender a description of his proposed activities and activity schedule at the location of delivery for put into operation and testing of the equipment according to Article 25 of the Special Conditions of Contract.
4. The Contractor shall perform on site installation(for Lot 2 and Lot 3) of the supplied goods including unloading, furnishing to designated room, unpacking, assembling and connection to main supplied, and removal of packing materials from site.
5. Installation(for Lot 2 and Lot 3) and put into operation shall be conducted by properly trained and authorized personnel.
6. Connection to main supplies shall be done according the rules and regulations of Serbia.
7. The Contractor shall make available to himself all tools, materials and equipment required for in-house transport, assembling and installation.
8. The Contractor shall perform starting-up of the equipment, furnishing of all required materials such as consumables needed for testing and initial operation of goods supplied.
9. The Tenderer shall, with his Tender provide a description of how maintenance and support will be provided during the required period following provisional acceptance as well as beyond this period, including postal address, telephone and facsimile number, e-mail address etc. of the service organisations in Serbia for the supplied items. Maintenance and support shall be conducted by properly qualified technicians.

1.3 Basic Technical Specification (minimum requirements)

1. Tenderers are to offer standard production models matching or exceeding the specifications stated in the outline specifications – see detailed Technical Specifications. The tenderer shall ensure that the functions and features of the equipment meet the listed minimum conditions and should submit equipment brochures and catalogues showing the specifications of the equipment.
2. All specifications details for each item are the minimum requirements. Any improvements on the specifications or additional features offered should be clearly identified in the Tenderer's offer.
3. Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest current edition or revision of the relevant standards in effect, shall apply, unless otherwise stated in the Contract. Where such standards and codes are national or relate to a particular region, other authoritative standards that ensure substantial equivalence to the standards or codes specified will be evaluated.
4. It should be noted that whenever a specific name of a product is mentioned in the Technical Specifications, a sufficiently precise and fully intelligible description is not possible, and it has to be understood as that product or its equivalent. All the equipment shall be provided complete with the necessary accessories, cables, installation CDs (if applicable), USB cables (if applicable) and/or parts such as to ensure that the unit is capable of operating to the required technical and quality specifications.

1.4 Contractor's Technical Offer

1. All technical documentation supplied with the tender must match the Tenderer's written specifications.
2. All Item Numbers of the required equipment shown in the Technical Specifications of the Contracting Authority must correspond exactly to those shown on Budget Breakdown (Model Financial Offer) and technical documentation submitted in support of each item offered. The Tenderer must attach printed labels to the documentation, rather than handwritten identification.

1.5 Technical Documents to be provided during the time of delivery

- Each set of equipment shall be provided with an original set of technical manuals for all parts of the equipment, including all accessories, as applicable. The manuals shall be supplied in Serbian or English language.
- The obligatory documents for the provisional acceptance:
 - Original certificate of origin by Chamber of Commerce,
 - Report of Final test in the factory (quality control certificate), where applicable,
 - Declaration of Conformity that the equipment is complying with EU Regulations and CE norms,

- Warranty document of the manufacturer and/or the supplier, (see Article 32 Special Conditions);
- Supplier must show that the equipment has authorised service in Serbia
- No provisional acceptance can be pronounced without the presence of the complete set of documents.

1.6 Other Clauses

All equipment should furthermore comply with the state of the art concerning safe operation, energy saving and environmental safety, in line with the generic policies or the practical measures in use within the EU, namely within the scope of Product Safety, Energy Efficiency and Environment Management, as applying; tenderers are thus requested to state in their offers how do they address such issues by means of appropriate manufacturing or operation characteristics or instructions.

1.7 Delivery

The Incoterm applicable shall be the DDP (“Free Domicile”) excluding VAT and other import/custom duties and taxes, with completion of delivery 60 days from the signature of contract by both parties.

1.8 General Requirements of each LOT

All supplied equipment(for all 3 lots) should have clear Visibility policy all in accordance with the Visibility Manual
http://ec.europa.eu/europeaid/funding/communication-and-visibility-manual-eu-external-actions_en

All delivered equipment must have a solidly fixed and durable label, as appropriate for each piece of equipment; imprinted in colour on a transparent base with the standard EU logo as below (the colour of the writing will depend on the colour of the item). The exact wording, text and logo dimension will be supplied by the Contracting Authority. **The Supplier will bear all the necessary costs for printing and application of the labels.**

Lot 1: Vehicles

- 1.1 The vehicles must be new (**manufactured 2015 or 2016**), supplied in running order and equipped to meet all legal requirements to enable it to be driven in Serbia.

Lot 2: Furniture

- 2.1 The furniture will be ergonomic in design and appearance. There won't be any default and faulty workmanship in terms of endurance, usage and appearance.
- 2.2 There won't be any bulking, roughness, scratch and colour difference on the painted surfaces.
- 2.3 There won't be any default like colour, design difference, mitterness, scratch, cracking, bubbling on the wooden parts.
- 2.4 There won't be any extension on the width or length of the wooden parts.
- 2.5 Excess glue remaining on the sides of the furniture will be cleaned on both seen and unseen surfaces.
- 2.6 The furniture shall correspond to the minimum requirements in technical specification listed below. All furniture described will be assembled and installed by the supplier on the designated spot, after delivery of the supply.

Lot 3: Information Tehnology equipment

3.1 Minimum requirements and supporting documentation

Tenderers are required to demonstrate that the offered specifications are responsive to the Tender Dossier requirements identifying model, manufacturer and country of origin of each individual item in their Technical Offer. Tenderers are to provide necessary documentation (catalogues, guides, brochures, manuals, booklets, etc.) with detailed technical specifications of all items being offered thus enabling the Contracting Authority to verify the information provided in the offer.

Technical specifications described in column 2, Table Annex III: Tendere's technical offer are minimum requirements. Tenderers may offer better specifications, with improved, additional or new features, but must not provide offers that do not strictly comply with the minimum requirements.

All original documents, licences, catalogues, brochures, certificates and other documents must be grouped under the title of "Computer Documents" and placed among the tender documents as a separate file.

Serial number of the computers and their peripheral units delivered must be written in spreadsheet format specifying the name, province, district, institution.

The obligatory documents for the provisional acceptance:

- Original certificate of origin
- Warranty document, signed and stamped by the manufacturer and/or the supplier
- Conformity and quality control documents

No provisional acceptance can be pronounced without the presence of the complete set of documents.

3.2 Completeness of the supply

The Tenderer is aware that supply delivery, including installation, integration and final customization must include all needed parts, accessories and consumables required for the supplies to be presented for provisional acceptance fully installed, operational and ready for use.

The Tenderer is aware that consumables, accessories, parts and documentation used during delivery, installation, integration and customization before provisional acceptance must therefore be anticipated and calculated into the offer.

The Tenderer is aware that it shall be the sole responsibility of the Contractor to ensure that all pre-requisites for the completeness of the supply delivery are met before its commencement.

3.3 Supply delivery

A future Contractor must provide the necessary measures to prevent any damage during delivery, installation, integration and customization stages. If any damage occurs during delivery, installation, integration and customization stages, it must be appropriately rectified by the Tenderer

Contractor must keep the work site clean and safe against fire and/or other hazards during any/all delivery and installation stage until formal acceptance.

Equipment allowing capacity upgrading must be provided in a way that upgrades can be performed by installing additional capacity, without discarding the already installed capacities.

The Contractor shall furnish, install and commission all equipment, fittings and fixings, including final installation and connection and all miscellaneous items of equipment, fixings and fittings in order that the supplies are left in place tested, fully operational and ready for use.

Installation, testing, demonstration and training must be completed within the time frame set out in the Special Conditions of Supply Contracts included in the Tender Dossier. At the end of this period, all items supplied, including hardware and software, must be fully operational.

The Contractor should carry out the pre-installation check at the places of installation prior to the delivery of the supplied equipment when necessary.

Provisional acceptance will depend on the supply of all the equipment, on the requested software installation, integration and customization.

All proposed hardware must be original and unused.

The items to be provided should not be hybrids, but designed as a unit and shall have a registered brand name. Because of the variety of equipment comprising the required system/s interoperability/compatibility requirements shall be strictly observed to ensure the delivery of a turn-key system.

All hardware and software (operating system, drivers etc.) must be installed free of charge and delivered with all necessary updates made, and must be in operational condition.

Power supply cables, USB connection cables, network cables and other standard accessories must be delivered with the device.

All products included in this tender shall be delivered with appropriate documentation (i.e. original set of operating and users' manuals developed by the vendor, instructions for routine use and maintenance procedures) in English and in Serbian (if commercially available). The tenderer shall/should provide full information about documentation (list and contents).

3.4 Conformity to regulations and standards

Equipment must conform and/or be compatible with standards, or with the commonly accepted best production practices currently in force , including any ISO , IEC or other relevant standards that may apply to each specific category of equipment.

All items and sub-items supplied must comply with all applicable Serbian and EU safety standards. Responsibility for obtaining any certificates required for the import and putting into use of equipment supplied rests wholly with the supplier.

Tenderer must provide additional or specific certificates, when required in specifications for particular item(s).

3.5 Working Conditions and Safety Requirements

Equipment must comply to IEC 60 529 standard for indoor IT equipment operating under temperature range of 10°C – 40°C, relative humidity range of 20% – 80% and IP 20 protection level.

Equipment must have safety operational warnings as well as mechanical interlocks for equipment operating under or generating more than 30V AC or DC, in line with current IEC and EU standards.

3.6 Power supply

Serbia power grid standard supply voltage is 230V AC for single-phase voltage with 50Hz nominal frequency. Equipment must be able to operate on 230V \pm 20V (single-phase), at 50Hz \pm 0.5Hz, due to grid voltage fluctuations.

Standard office equipment must have ability to be connected to the standard Serbia single phase power output connections.

3.7 Software Licensing and compatibility

All software that is delivered in this tender (such as operating system and application software) must be licensed to the beneficiary of this tender that will allow trained personnel of the beneficiary to perform software installation ,update/upgrade, repair/debug, and/or diagnosis /report activities without supplier assistance in the future.

Unlimited duration license(s) for every software (sub) system must be provided

If not specifically stated otherwise, or not stated at all, all equipment (where compatibility may be an issue) and application software must be compatible with Microsoft Windows 8.1 and Microsoft Windows 7 SP1 operating systems respectively.

3.8 Warranty

Serial numbers of the main boards of the proposed computers must be provided together with certificates of brand, model and authenticity by the main board manufacturer.

Contractor shall intervene in three (3) days to any notified failures regarding the all equipment that are under guarantee, and shall have the equipment fully functional within maximum 30 days.

The Tenderer shall warrant that the supplies are new, unused, of the most recent models and incorporate all recent improvements in design and materials. The Tenderer shall further warrant that none of the supplies have any defect arising from design, materials or workmanship. The warranty shall remain valid for the period of one/two years after provisional acceptance, depending on the Lot.

In addition, the Tenderer shall respect the obligations under the relevant commercial warranty.

In addition to the 12 months warranty period the Contractor will provide the Beneficiary with the **Manufacturer's commercial warranty** of at least:

For Lot 3:

- for items 3.1, 3.2, 3.3 and 3.13.1 – Info Kiosk - further 1 year for electrically operated items (total duration of the Guarantees will be 2 years).

A description of the Manufacturer's commercial warranty shall be included in the offer.

3.9 Other conditions

If the IT equipment components proposed during the tender procedure is discontinued while installing, a higher version of the same product meeting the technical specification shall be provided.

All laptops (item number 3.3) and mobile printers (item number 3.5) for employment caravans must be supplied with auto power adapters (under item number 3.3 and item number 3.4) designed to accept DC power sources from an automobile cigarette lighter socket and batteries. Auto power adapters must be fully compatible with the selected laptops (item number 3.3) and mobile printers (item number 3.4).

For PCs incorporated in the Info Kiosks (item number 3.13.1) must be activated all Windows 8.1 Accessibility Options.

LOT 1

Technical Specification Lot 1:

Column 1	Column 2	Column 3	Column 4	Column 5
Item Number	Specifications	Specifications Offered	Notes, remarks, ref to documentation	Evaluation Committee's notes
1.1	Vehicle 4x4(manufactured in 2015 or 2016) Quantity: 10 pcs			
	Technical specification: 1.1 Engine: petrol, 1.300 cc-1600cc, 77kW, EU5 norm 1.2 Transmission: 5 speed mechanical, 4 wheel drive 1.3 Maximum average fuel consumption: 8.0L/100 km 1.4 Ground clearance: 180 mm 1.5 Steering: Left-hand drive, servo steering 1.6 Chassis: 5 doors 1.7 Seats: 5 1.8 Safety seatbelts for all passengers' seats 1.9 Airbags: driver and co-driver 1.10 ABS (Anti – lock Braking System) 1.11 ESP (Electronic Stability Program) 1.12 Power windows: front 1.13 Air conditioning: manual 1.14 Fog lights: front 1.15 Radio cd mp3 1.16 Central locking with remote control 1.17 Immobiliser / anti-theft device 1.18 Spare wheel 1.19 Cabin connection: DC power source cigarette lighter shape 1.20 Fuel tank capacity: 40 L 1.21 Booth capacity: 350 L 1.22 Colour: White 1.23 Wheels: Min 16”, Steel rims with wheel cover			
	Minimum tools and accessories: Rubber floor mats, hydraulic car jack, tools for tyre repair,			

Column 1	Column 2	Column 3	Column 4	Column 5
Item Number	Specifications	Specifications Offered	Notes, remarks, ref to documentation	Evaluation Committee's notes
	towing rope, 2 vests made with reflecting material, first aid kit (all in accordance with the law), emergency triangle, fire extinguisher (1kg, refillable, metal body, class A B C)			
	Guarantee and service conditions: Manufacturers' commercial warranty: 2 years of operation or 100,000 km, 1 year on paint and 5 years against corrosion			
	First regular service in accordance with manufacturer recommendations Instruction manual: user manual, service book and other relevant documentation to be provided on English or Serbian			

LOT 2

Technical Specification Lot 2: Furniture and office equipment

List of items:

2.1 Office chairs

2.2 Desks (for computer)

2.3 Portable folding chairs for CGCCs and Self service stations

2.4 Small portable desks for CGCCs

2.5 Office desks for manager of Job clubs and CGCCs

2.6 Cupboard

2.7 Drawes (mobile)

2.8 Notice board

2.9 Flipchart

2.10 Mobile racks for brochures Shelves for flyers / brochures / magazines

2.11 Shelves

2.12 White board for writing

2.13 Coat stand

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
2.1	Office chair Quantity: 900 pcs <ul style="list-style-type: none"> • Back rest and seat upholstered with black colour fabric • Construction: metal, straight lines with four legs • Seat dimension approx.:45x45cm • Star with castors 			
2.2	Computer desk Quantity: 800 pcs <ul style="list-style-type: none"> • Top panel and sides melamine faced chipboard 25mm thick, 2mm ABS edging, light ash decor • Front panel melamine faced chipboard 18 mm thick, 2mm ABS edging, light ash decor • Cable outlet 2 pcs • Levelling feet • Overall dimension: 120 x 80 x 75 cm 			
2.3	Portable folding chair Quantity: 300 pcs <ul style="list-style-type: none"> • Construction: metal tubes Ø22mm, RAL 9006 • Back rest and seat: hard plastic or PU/PVC upholstery in various colours 			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
2.4	Small desk Quantity: 300 pcs <ul style="list-style-type: none"> Construction: console type, metal tubes Ø28mm, RAL 9006 Top panel melamine faced chipboard 25mm thick, 2mm ABS edging, rounded corners, light ash decor Overall dimension: 70x50x75 cm 			
2.5	Office desk Quantity: 80 pcs <ul style="list-style-type: none"> Top panel and sides melamine faced chipboard 25mm thick, 2mm ABS edging, light ash decor Front panel melamine faced chipboard 18 mm thick, 2mm ABS edging, light ash decor Cable outlet 2 pcs Levelling feet Overall dimension: 140 x 80 x 75 cm 			
2.6	Cabinet Quantity: 80 pcs <ul style="list-style-type: none"> Top panel melamine faced chipboard 25mm thick, 2mm ABS edging, light ash decor Sides, doors and shelves: melamine faced chipboard 18 mm, 2 mm ABS edging, light ash decor Two doors with lock 3 adjustable shelves Levelling feet Overall dimension: 160 x90x 45cm (H x W x D) 			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
2.7	Drawer Quantity: 80 pcs <ul style="list-style-type: none"> • Top panel: melamine faced chipboard 25mm thick, 2mm ABS edging, light ash décor • Sides and drawers: melamine faced chipboard 18 mm, 2 mm ABS edging, light ash decor • 3 drawers • Central lock • Castors • Overall dimension: 45 x55x50 cm (hxwxd) 			
2.8	Noticeboard Quantity: 80 pcs <ul style="list-style-type: none"> • Dimension: 60x90 cm • Cork board • Wooden frame • Wall mounting kit 			
2.9	Flipchart Quantity: 80 pcs <ul style="list-style-type: none"> • Tripod telescopic folding legs • A1 format • Height adjustable up to 180cm 			
2.10	Shelves Quantity: 80 pcs <ul style="list-style-type: none"> • Shelves for displaying flyers, brochures, magazines • Construction: metal profiles with metal mesh, RAL 9006 • 5 height adjustable shelves with fence • Castors • Overall dimension: 170x90x30 cm 			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
2.11	Office shelves Quantity: 80 pcs <ul style="list-style-type: none"> • Top panel: melamine faced chipboard 25mm thick, 2mm ABS edging, light ash décor • Sides and shelves: melamine faced chipboard 18 mm, 2 mm ABS edging, light ash decor • 4 height adjustable shelves • Leveling feet • Overall dimension: 160 x 90 x 35 cm (hxwxd) 			
2.12	Whiteboard Quantity: 80 pcs <ul style="list-style-type: none"> • Dimension: 90x120cm • Aluminum frame • Wall mounting kit • Pen holder 			
2.13	Coat stand Quantity: 80 pcs <ul style="list-style-type: none"> • Self-standing • Height: 170 cm • Material: wood, plastic or metal • Color black • 8 coat hooks 			

TECHNICAL SPECIFICATIONS : LOT 3

3.1 PC Workstation (with monitor, keyboard, mouse, operating system and office software)

3.2 Laptop

3.3 Laptop for employment caravans

3.4 Network printer

3.5 Printer (mobile)

3.6 Scanner

3.7 Projector

3.8 Projector screen

3.9 Paper shredder for CGCCs

3.10 Telephone

3.11 Network equipment for job clubs

3.11.1 Cat5e Installation Cable

3.11.2 Cat5e RJ45 Connectors

3.11.3 Plastic shelves

3.11.4 Wireless router

3.11.5 PVC Cable Ducts

3.11.6 Power strip

3.11.7 Flat telephone cable

3.11.8 RJ11 Connectors 4P4C

3.11.9 AC Double Schuko socket

3.11.10 UTP patch Cable

3.11.11 Power Cable

3.12 Network equipment for CGCCs

3.12.1 Cat5e Installation Cable

3.12.2 Cat5e RJ45 Connectors

3.12.3 Plastic Shelves

3.12.4 Wireless router

3.12.5 PVC Cable Ducts

3.12.6 Power strip

3.12.7 Flat telephone cable

3.12.8 RJ11 Connectors 4P4C

3.12.9 AC Double Schuko socket

3.12.10 UTP patch Cable

3.12.11 Power Cable

3.13 Network equipment for self-service workstations

3.13.1 Info Kiosk (indoor)

3.13.2 Power strip

3.12.3 AC Double Schuko socket

3.12.4. UTP patch Cable

3.12.5 Wireless router

3.12.6 Power Cable

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.1	PC Workstation (with monitor, keyboard, mouse, operating system, office) Quantity: 800			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
	CPU with minimum two cores, 64-bit technology compatible, minimum 3200 MHz, and minimum 3 MB of CPU cache (total value of all level cache combined) and with passmark score of minimum 3000 (http://www.cpubenchmark.net)			
	RAM at least 4GB DDR3 and there should be one empty slot in main board minimum			
	Hard drive: 500 GB , SATA technology			
	Interfaces : minimum 2xUSB2.0 or 2xUSB3.0 front ; minimum 4xUSB2.0 rear ; 1 x Ethernet (RJ-45) ; 1 x Front audio: headphone , 1 x Front audio: microphone; 1 x Audio: line-in, 1 x Audio: line-out; 1 x VGA and 1 DVI/HDMI/Display Port; Wireless N PCI Express Adapter min. 150mpbs			
	Optical drive : internal DVD±R drive Dual layer			
	Graphics : Video card Passmark 400 or higher			
	Audio: High Definition Audio, sound card on board			
	Network : Integrated , Gigabit 10/100/1000 Mbps, WakeOnLan			
	Keyboard : Standard Serbian/Latin, USB, the same manufacture as manufacture of PC			
	Mouse : Optical mouse with scroll wheel USB , the same manufacture as manufacture of PC			
	Mini tower or Desktop Case			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
	Monitor with following features : minimum 19" LCD, LED flatscreen; WIDE screen type; contrast 700:1 or better; brightness minimum 250cd/m ² ; viewing angle minimum 160/160 degrees; VGA and DVI/HDMI/Display Port video input (must be the same kind as video card output of the workstation); matching VGA and Digital video cable shielded min 1,4 meters lenght; audio cable min 1,4 meters lenght, Speakers - integrated into monitor or provided as original manufacturers attachment to the monitor , or built-in in PC case. Compliant standards: TCO, CE and/or TUV GS, RoHS, EPEAT/WEEE, Energy Star Monitor has to be by the same manufacturer as for Workstation			
	Operating system : Microsoft Windows 8.1 Pro ,English language users interface, preinstaled and licensed, installation media (DVD) and documentation included, including the latest service pack, patches and all critical updates			
	Application software: Microsoft Office Home and Business 2013 edition, preinstaled with english language user interface			
	Compliant standards: CE and/or TUV GS, RoHS, EPEAT/WEEE, Energy Star			
	Fully licenced recovery CD/DVD, all device drivers on CD/DVD			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
	Earliest release date: Year 2014.			
3.2	Laptop computer for Job Clubs and CGCC-s Quantity : 80			
	Multi core processor: mobile class CPU with minimum 2 (two) cores, 64-bit technology compatible, with passmark score of minimum 2500 (http://www.cpubenchmark.net)			
	RAM memory at least 4GB DDR3			
	Graphics : Video card Passmark 400 or higher			
	Hard drive: 500 GB , SATA technology			
	Optical drive : internal DVD±RW drive Dual layer			
	Connectivity: Gigabit Ethernet LAN 10/100/1000 Mbps; Wireless LAN (802.11 a/b/g/n)			
	Ports&Expansion :minimum 2xUSB2.0 or 1xUSB2.0 and 1xUSB3.0; 1 × DC-in; 1xVGA D-Sub connector for external monitor; 1xHDMI; Integrated microphone and speakers; RJ-45 ethernet;			
	Keyboard and Mouse: integrated, touchpad and optical scroll mouse			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
	Monitor: Proposed system shall have at least 15,6'' LED display			
	Power Supply: 4 to 6-cell, Lithium-Ion Battery or comparable, working time >= 3 hours with battery only, and power adaptor.			
	Sturdy (heavy duty) carrying case large enough for laptop, its accessories (cables, power adapter ec.) and one additional compartment for documents			
	Operating system: Microsoft Windows 8.1 Pro, English language users interface, preinstaled and licensed, installation media (DVD) and documentation included, including the latest service pack, patches and all critical updates			
	Application software: Microsoft Office Home and Business 2013 edition, preinstaled with english language user interface			
	Fully licenced recovery CD/DVD, all device drivers on CD/DVD			
	Earliest release date: Year 2014.			
3.3	Laptop computer for employment caravans Quantity:20			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
	Multi core processor: mobile class CPU with minimum 2 (two) cores, 64-bit technology compatible, with passmark score of minimum 2500 (http://www.cpubenchmark.net)			
	RAM memory at least 4GB DDR3			
	Graphics : Video card Passmark 400 or higher			
	Hard drive: 500 GB , SATA technology			
	Optical drive : internal DVD±RW drive Dual layer			
	Connectivity: Gigabit Ethernet LAN (10/100/1000 Mbps); Wireless LAN (802.11 a/b/g/n)			
	Ports&Expansion :minimum 2xUSB2.0 or 1xUSB2.0 and 1xUSB3.0; 1 × DC-in; 1xVGA D-Sub connector for external monitor; 1xHDMI; 2-in-1 (SD/MMC) card reader; Integrated microphone and speakers; RJ-45 ethernet;			
	Keyboard and Mouse: integrated, touchpad and USB optical scroll mouse			
	Monitor: Proposed system shall have at least 15,6" LED display			
	Power Supply: 6 to 8-cell, Lithium-Ion Battery or comparable, working time >= 4 hours with battery only, and a power adaptor.			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
	Adapter: Auto power adapter designed to accept input voltages from DC power sources, from an automobile cigarette lighter socket and batteries			
	3G USB Modem : Up to 21Mbps download and 5.76 Mbps upload (Network Type: WCDMA), Internal antenna, no batteries or cables required, Fast USB 2.0 connection to notebook/desktop computers			
	Sturdy (heavy duty) carrying case large enough for laptop, its accessories (cables, power adapter ec.) and one additional compartment for documents			
	Operating system : Microsoft Windows 8.1 Pro, English language users interface, preinstaled and licensed, installation media (DVD) and documentation included, including the latest service pack, patches and all critical updates			
	Application software: Microsoft Office Home and Business 2013 edition, preinstaled with english language user interface			
	Fully licenced recovery CD/DVD, all device drivers on CD/DVD			
	Earliest release date: Year 2014.			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.4	Network printer Quantity:80 <ul style="list-style-type: none"> • Technology: Black/White Laser Printer • Print speed A4: minimum 30 ppm • Document delivery speed: First page out: maximum 10 seconds • Memory: minimum 128 MB • Print Resolution: 1200x1200 dpi or higher • Interfaces: Hi-speed USB2.0 port ; 10/100 Ethernet; USB cable; 1 x WiFi 802.11a/b/g/n • Paper input capacity: minimum 500 paper sheets (in all trays, combined) • Paper output bin capacity: minimum 100 sheets of paper • Automatic Double Sided Printing • Media Types Supported: Card Stock, Envelopes, Paper Labels, Plain Paper, Transparencies, • Media Sizes Supported: A4; A5; A6; B5, postcards ; envelopes ,C5, DL, B5 • Minimum PCL5e compatible • Connection cables for all available connections • All drivers on CD/DVD • Toner: 3000 pages per cartridge , • 1 cartridge included • Earliest release date: Year 2014. 			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.5	Printer (mobile) for employment caravans Quantity: 10 <ul style="list-style-type: none"> • Technology: Inkjet mobile printer • Print speed, black (draft): 18 ppm or higher • Connectivity: minimum 1xUSB 2.0 • Paper handling input, standard: 50-sheet input tray • Media sizes supported: A4; A5 ; A6; B5 (JIS); C6; DL; L; 2L • Duplex printing: Manual (driver support provided) • Toner: 1 cartridge included • Adapter: Auto power adapter designed to accept input voltages from DC power sources, including automobiles (from an automobile cigarette lighter socket) and batteries • Battery: lithium ion battery, print up to 500 pages when the battery is fully charged • Earliest release date: Year 2014. 			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.6	Scanner Quantity:80 <ul style="list-style-type: none"> • Scanner Type: Flatbed • Power Requirements: Hi-Speed USB • Minimum optical resolutions: 1200 x 1200 dpi • Scanning Element: Contact Image Sensor (CIS) • Media sizes supported: A4 • OS Compatibility: Windows 8, Windows 8.1, Windows 7, Windows 7 SP1 • Earliest release date: Year 2014. 			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.7	Projector Quantity:80 <ul style="list-style-type: none"> • Projection technology: LCD, DLP or LED • Brightness: 2500 ANSI Lumens minimum • Contrast minimum 3000:1 • Light emitter life minimum nominal 3000 hours • Possibility of manual (mechanical or electronic) focus/zoom adjusting and keystone correction • Resolution supported (minimum): VGA, SVGA, XGA (1024x768) • Connectivity: PC VGA analog (D-SUB) and DVI, S-video, composite video(PAL system), audio-in • Connection cables for all available inputs(VGA, DVI, S-Video, composite, audio etc.) • Built-in speaker • Projector must be ceiling mounting capable, delivered with ceiling mounting kit and connection cables • Earliest release date: Year 2014. 			
3.8	Projector screen Quantity:80 <ul style="list-style-type: none"> • Retractable projection screen: 180x180 cm minimum, and not larger than 250x250 cm • Tripod: Included 			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.9	Paper shredder for CGCCs Quantity : 20 <ul style="list-style-type: none"> • Cut Type : Strip Cut • Sheet Capacity : 5 sheets at the time minimum • Throat Width: minimum 220mm 			
3.10	Telephone Quantity:80 <ul style="list-style-type: none"> • The number of lines: 2 • 3 participants in the conf. • Speakerphone • One-Touch Dialer 10x2 • LCD display with 16 digits 			
3.11	Network equipment for job clubs			
3.11.1	Cat5e Installation Cable : Quantity: 3300m			
3.11.2	Cat5e RJ45 Connectors : Quantity: 240			
3.11.3	Plastic shelves Quantity 60 Wall mounted plastic shelves for accommodation of wireless router (350x350mm minimum)			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.11.4	Wireless router Quantity: 60 Wireless router ; Interface: 4 x 10/100M LAN Ports minimum, 1x 10/100M WAN Port, Wireless Signal Rates: Up to 300Mbps ; Frequency Band: 2.4 GHz ,Wireless security: 64/128-bit WEP,WPA / WPA2,WPA-PSK/ WPA2-PSK encryption (minimum), Wireless Standards: 802.11b ,802.11g, 802.11n (minimum) ; Services: DHCP (minimum)			
3.11.5	PVC Cable Ducts, 20x20 mm, not inflammable: Quantity: 4800m			
3.11.6	Power strip Quantity: 780 (13 per location): connection 3-way minimum; schuko input connections, cable length : minimum 5m ; two-pin illuminated switch			
3.11.7	Flat telephone cable, 4 wire: Quantity: 360m			
3.11.8	RJ11 Connectors 4P4C: Quantity: 120 (2per loc)			
3.11.9	AC Double Schuko socket ; Quantity: 660 (11 per location)			
3.11.10	UTP patch Cable : Quantity: 120x3m =360m (2x3m per location)			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.11.11	Power Cable H05VV-F 3x2.5 mm (SRPS Standard PP/Y 3x2,5 mm (PGP)) : Quantity: 1800m (30m per location)			
3.12	Network equipment for CGCCs			
3.12.1	Cat5e Installation Cable : Quantity: 1100m			
3.12.2	Cat5e RJ45 Connectors : Quantity: 80			
3.12.3	Plastic Shelves Quantity: 20 Wall mounted plastic shelves for accommodation of wireless router (350x350mm minimum) :			
3.12.4	Wireless router Quantity: 20 Wireless router ; Interface: 4 x 10/100M LAN Ports minimum, 1x 10/100M WAN Port, Wireless Signal Rates: Up to 300Mbps ; Frequency Band: 2.4 GHz ,Wireless security: 64/128-bit WEP,WPA / WPA2,WPA-PSK/ WPA2-PSK encryption (minimum), Wireless Standards: 802.11b, 802.11g, 802.11n (minimum) ; Services: DHCP (minimum)			
3.12.5	PVC Cable Ducts, 20x20 mm, not inflammable: Quantity 1600m			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.12.6	Power strip Quantity: 100 (5 per location): connection 3-way minimum; schuko input connections, cable length : minimum 5m ; two- pin illuminated switch			
3.12.7	Flat telephone cable, 4 wire: Quantity: 120m			
3.12.8	RJ11 Connectors 4P4C Quantity 40 (2per loc)			
3.12.9	AC Double Schuko socket ; Quantity: 100 (5 per location)			
3.12.10	UTP patch Cable : Quantity: 40x3m = 120m (2x3m per location)			
3.12.11	Power Cable H05VV-F 3x2.5 mm (SRPS Standard PP/Y 3x2,5 mm (PGP)) : Quantity: 600m (30m per location)			
3.13	Network equipment for self-service workstations			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.13.1	<p>Info Kiosk (indoor) Quantity:80 Info Kiosk with incorporated PC configuration and speakers (CPU with minimum two cores, 64-bit technology compatible, minimum 3200 MHz, and minimum 3 MB of CPU cache, min 4GB RAM and Microsoft Windows 8.1 Pro OS, min 250GB HardDrive), pre-installed Microsoft Office Home and Business 2013 edition (with english language user interface), able to perform internet, with anti-vandal keyboard (standard Serbian/Latin) and anti-vandal trackball. Monitor minimum 19" anti-vandal LCD screen, no touch screen. Vandal-proof. Info Kiosk must be made of solid materials. Color: grey. Info Kiosk must be delivered with all necessary accessories for connection to power system (power cable, etc) and integrated Gigabit LAN card. Dimensions : height - min 140 cm - max 170 cm, width - min 45 cm - max 70 cm, depth - min 25 cm - max 70 cm, keyboard height 100 – 110 cm</p>			

Column 1	Column 2	Column 3	Column 4	Column 5
1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
3.13.2	Power strip Quantity: 80 connection 3-way minimum; schuko input connections, cable length: minimum 5m ; two-pin illuminated switch;			
3.13.3	AC Double Schuko socket; Quantity 62			
3.13.4	UTP patch Cable : Quantity 142x3m = 426m			
3.13.5	Wireless router Quantity: 62 Wireless router ; Interface: 4 x 10/100M LAN Ports minimum, 1x 10/100M WAN Port, Wireless Signal Rates: Up to 300Mbps ; Frequency Band: 2.4 GHz ,Wireless security: 64/128-bit WEP,WPA / WPA2,WPA-PSK/ WPA2-PSK encryption (minimum), Wireless Standards: 802.11b, 802.11g, 802.11n (minimum) ; Services: DHCP (minimum)			
3.13.6	Power Cable H05VV-F 3x2.5 mm (SRPS Standard PP/Y 3x2,5 mm (PGP)) : Quantity: 620m (10m per location)			