

**Procurement of Goods
National Competitive Bidding
(Volume 2)**

Procurement of:
Hardware for Water Cadastre Center

NCB No: *MEFWA/G/004a*

Project: *WATER RESOURCES AND IRRIGATION
PROJECT (WRIP)*

Project ID: *P121186*

Purchaser: *Ministry of Agriculture, Rural
Development and Water Administration*

Country: *Albania*

Issued on: 28 March 2016

Volume 2

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Section II. Bid Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

ITB Clause Reference	A. General
ITB 1.1	The reference number of the Invitation for Bids is : <i>MEFWA/G/004a</i>
ITB 1.1	The Purchaser is: <i>Ministry of Agriculture, Rural Development and Water Administration</i>
ITB 1.1	The name of the NCB is: <i>Hardware for Water Cadastre Center</i> The identification number of the NCB is: <i>MEFWA/G/004a</i> The number and identification of lots (contracts) comprising this NCB is: <i>one contract (items contract)</i>
ITB 2.1	The Borrower is: <i>Government of Albania carries out the Water Resources and Irrigation Projects through Ministry of Agriculture, Rural Development and Water Administration.</i>
ITB 2.1	Loan or Financing Agreement amount: <i>34.875.000 Euro</i> The contract is implemented in the frame of the Water Resources and Irrigation Project co-financed by the Government of Albania and the International Bank for Reconstruction and Development (“World Bank”) Loan Number. 8211-AL
ITB 2.1	The name of the Project is: <i>Water Resources and Irrigation Project</i>
ITB 4.1	Maximum number of members in the JV shall be: 3 (three)
ITB 4.2	Any Consultant, that has provided assistance in the procurement process as regards fulfilment of technical specification, and any entity affiliated with such Consultant, as well as any Sub-consultants and any entity affiliated with such Sub-consultants, shall be disqualified from providing goods, works resulting from or directly related to this Consultant's Services.
IITB 4.4	A list of debarred firms and individuals is available on the Bank’s external website: http://www.worldbank.org/debarr .
	B. Contents of Bidding Documents

ITB 7.1	<p>For <u>Clarification of bid purposes</u> only, the Purchaser's address is:</p> <p>Attention: <i>Mr. Ilirjan Lame, project Manager</i></p> <p>Address: <i>Ministry of Agriculture, Rural Development and Water Administration; Bulevardi Deshmoret e Kombit No 2; Tirane</i></p> <p>Country: <i>Albania</i></p> <p>Telephone: <i>+355 4 2226243-75129</i></p> <p>Electronic mail address: <i>ilirjan.lame@bujqesia.gov.al</i></p> <p>Requests for clarification should be received by the Employer no later than: 10 days</p>
ITB 7.1	Web page: <i>www. bujqesia.gov.al</i>
	C. Preparation of Bids
ITB 10.1	The language of the bid is: <i>English</i>
ITB 11.1 (j)	<p>The Bidder shall submit the following additional documents in its bid:</p> <p>(a) <i>copies of certificates of conformance to CE Mark for the goods offered;</i></p> <p>(b) <i>Technical Specification Form with completed Statement of Compliance column; and</i></p> <p>(c) <i>Project Implementation Plan that reflects at least the following subjects:</i></p> <p style="padding-left: 40px;">(i) <i>Project Organization and Management Plan;</i></p> <p style="padding-left: 40px;">(ii) <i>Delivery and Installation Plan;</i></p>
ITB 14.6	<p>Prices quoted for the contract shall correspond to 100% percent of the items specified for the contract.</p> <p>Prices quoted for each item of contract shall correspond at least to 100% percent of the quantities specified for this item of the contract.</p>
ITB 14.8 (iii)	"Final destination Place": as given in Section VII. Schedule of Requirements; Table 1. List of Goods and Delivery Schedule; Column "Final Destination Place as specified in BDS"
ITB 15.1	The prices shall be quoted by the bidder in: <i>Albanian Lek (ALL)</i>
ITB 16.4	Period of time the Goods are expected to be functioning (for the purpose of

	spare parts): 3 (three) years
ITB 17.2 (a)	Manufacturer's authorization is: "required"
ITB 17.2 (b)	After sales service is: 3 (three) years
ITB 18.1	The bid validity period shall be 210 days .
ITB 18.3 (a)	The bid price shall be adjusted by the following factor(s): <i>The Contract price shall be adjusted by a factor reflecting local inflation during the period of extension.</i>
ITB 19.1	A Bid Security "shall be" required. Form of Bid Security (Bank Guarantee) is included in Section IV Bidding Forms. A Bid-Securing Declaration "shall not be" required. If a bid security shall be required, the amount and currency of the bid security shall be 680.000 ALL (Six Hundred, Eighty Thousand Albanian Lek) .
ITB 19.3 (d)	Other types of acceptable securities: "None"

ITB 19.9	Not Applicable
ITB 20.1	In addition to the original of the bid, the number of copies is: 2 (two)
ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: Power of Attorney.
	D. Submission and Opening of Bids
ITB 22.1	<p>For <u>bid submission purposes</u> only, the Purchaser's address is:</p> <p>Attention: <i>Mr. Vojo Bregu, Head of Contracting Authority</i> Address: <i>Ministry of Agriculture, Rural Development and Water Administration; Bulevardi Deshmoret e Kombit No 2;</i> City: <i>Tirane</i> Floor/ Room number: <i>Protocol Office</i> Country: <i>Albania</i></p> <p>The deadline for bid submission is: Date: <i>28 April 2016</i> Time: <i>12:00noon</i></p>
ITB 25.1	<p>The bid opening shall take place at:</p> <p>Address: <i>Ministry of Agriculture, Rural Development and Water Administration; Bulevardi Deshmoret e Kombit No 2; Tirane</i> Floor/ Room number: <i>Meeting room, third floor</i> City: <i>Tirane</i> Country: <i>Albania</i> Date: <i>28 April 2016</i> Time: <i>12.10 p.m.</i></p>
ITB 25.3	<p>The Letter of Bid and Price Schedules shall be initialed by representatives of the Purchaser conducting Bid opening. <i>The members of the Evaluation Committee.</i></p> <p><i>Each Bid shall be initialed by all members of the Evaluation Committee and shall be numbered, any modification to the unit or total price shall be initialed by the Representative of the Purchaser.</i></p>
	E. Evaluation and Comparison of Bids

ITB 32.2(a)	Evaluation will be done for <i>Items contract</i> . Note: <i>Bids will be evaluated for each item and the Contract will comprise the item(s) awarded to the successful Bidder.</i>
ITB 32.4	The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: <i>[refer to Schedule III, Evaluation and Qualification Criteria; insert complementary details if necessary]</i> (a) Deviation in Delivery schedule: <i>No</i> (b) Deviation in Payment schedule: <i>No</i> (c) the availability in the Purchaser's Country of spare parts and after-sales services for the equipment offered in the bid: <i>No</i>

	F. Award of Contract
ITB 37.1	The maximum percentage by which quantities may be increased is: 15% The maximum percentage by which quantities may be decreased is: 15%

Section III. Evaluation and Qualification Criteria

This Section contains all the criteria that the Purchaser shall use to evaluate a bid and qualify the Bidders in accordance with ITB 32 and ITB 34, no other factors, methods or criteria shall be used.

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1. Evaluation(ITB 32)

1.1. Evaluation Criteria (ITB 32.4)

The Purchaser's evaluation of a bid may take into account, in addition to the Bid Price quoted in accordance with ITB Clause 14.8, one or more of the following factors as specified in ITB 32.2(e) and in BDS referring to ITB32.4, using the following criteria and methodologies.

- (a) Delivery schedule. (as per Incoterms specified in the BDS)

The Goods specified in the List of Goods are required to be delivered within the acceptable time range (after the earliest and before the final date, both dates inclusive) specified in Section VII, Schedule of Requirements. No credit will be given to deliveries before the earliest date, and bids offering delivery after the final date shall be treated as nonresponsive.

- (b) Deviation in payment schedule.

The SCC stipulates the payment schedule specified by the Purchaser. If a bid deviates from the schedule and the bid shall be treated as nonresponsive

- (c) Availability in the Purchaser's Country of spare parts and after sales services for equipment offered in the bid. - **3 (three) years**

The supplier shall provide detailed description of after sales services available in the Purchaser's country for equipment offered in the bid.

If such services are not available yet in the Purchaser's country, a Bidder shall confirm, as requested in ITB Clause 17.2 (b) and BDS ITB Clause 17.2 (b), that it is or will be (if awarded the contract) represented by an Agent. If such bid is accepted, the documentary evidences on appointment of a qualified Agent shall be submitted within twenty eight (28) days from receipt of the notification of award. Failure to submit such evidences shall be constitute sufficient ground for the annulment of the Contract Award. In this event the Purchaser may award the contract to the next lowest evaluated Bidder as defined in ITB Clause 40.2.

An adjustment equal to the cost to the Purchaser of establishing the minimum service facilities and parts inventories, as outlined in BDS 32.6, if quoted separately, shall be added to the bid price, for evaluation purposes only.

- (d) Specific additional criteria

- (e) *Minimum four, certified personnel for the offered hardware. (CVs and certificates for each of them)*

2. Qualification (ITB 34)

2.1 Qualification Requirements (ITB 34.1)

After determining the lowest-evaluated bid in accordance with ITB 33.1, the Purchaser shall carry out the postqualification of the Bidder in accordance with ITB 34, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

(a) If Bidder is Manufacturer:

(i) Financial Capability

The Bidder shall furnish documentary evidence that it is in a sound financial status.

The average turnover of the last 3 (three) years period shall be at least 241.000 Euro.

(ii) Experience and Technical Capacity

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):

a. Company registration document;

b. At list 2 (two) contracts each of minimum value 120.000 Euro, demonstrating that he has successfully supplied, installed and commissioned goods similar to the type specified in the "Schedule of Requirements", during the last 3 (three) years;

c. Further, the bidder should be in continuous business of manufacturing products similar to that specified in the schedule of requirements during the last three years prior to bid opening.

(iii) Documentary Evidence

The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the technical specifications: - *Catalogues*

(b) If Bidder is not manufacturer:

If a Bidder is not a manufacturer, but is offering the Goods on behalf of the Manufacturer under Manufacturer's Authorization Form (Section IV, Bidding Forms), the Bidder shall demonstrate the above qualifications (i), (ii), (iii) and for

the (ii) b. the Bidder shall demonstrate that it has successfully completed at least two contracts *each of minimum value 96.500 Euro, for supplying, installing and commissioning goods similar to the type specified in the "Schedule of Requirements* in the past 3 (three) years.

The Bidder shall furnish the evidence to meet the qualification requirements specified in Para (i) above from the Manufacturer who has provided Manufacturer's Authorization for the goods offered in the bid.

The bidder should prove technical capacity and ability of:

Guarantee the quality of project management and information security, which will dispose of during project implementation. To meet this demand, the economic operator must be certified for the Quality Management system ISO 9001 Management System, ISO 27001 Information Security and IT Management System ISO 20000 and other international certificate or equivalent.

- Economic operator must have at least four (4) staff the engineering / technician employed full time. As follows:

- Not less than 2 (two) Electronic, IT, telecommunication, ICT Engineer, diploma relevant, coupled with the contract of employment, experience not less than 2 years.

- Not less than 2 (two) specialist in IT, certified by the manufacturer for the device, server, storage, Windows Server, coupled with the contract of employment, the relevant diploma, experience not less than 2 years.

- Not less than 1 (one) electrician equipped with the certificate for the electrical installation associated with the contract of employment.

The details of such reference shall include:

- Name and address of Purchaser with contact details as e-mail address/phone no., etc.
- Contract no. and date.
- Equipment's/items ordered/supplied & installed with their respective quantities.
- Scheduled completion date and actual completion date.
- Details of Complaint, if any, received from the purchaser about the performance of the Equipment's/Items.
- Reference letters from the above purchasers.

Section VII. Schedule of Requirements

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Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the bidding documents by the Purchaser, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable bidders to prepare their bids efficiently and accurately, in particular, the Price Schedule, for which a form is provided in Section IV. In addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITB 37.1.

The date or period for delivery should be calculated from the date from which the Supplier's delivery obligations start (i.e., contract signature) and until goods are delivered in the Final destination.

1. List of Goods and Delivery Schedule

Line Item N°	Description of Goods	Quantity	Physical unit	Final Destination Place as specified in BDS	Delivery Date*		
					Earliest Delivery Date	Final Date	Bidder's offered Delivery date [<i>to be provided by the bidder</i>]
1	Rack Cabinet & Accessories	1	Set	MARDWA	Contract signature date	90 days after contract signature	
2	Rack-Mounted Servers	4	Units	MARDWA	Contract signature date	90 days after contract signature	
3	Access & Aggregation Network Switches	2	Units	MARDWA	Contract signature date	90 days after contract signature	
4	SAN Switches	2	Units	MARDWA	Contract signature date	90 days after contract signature	
5	Centralized Storage System	1	Units	MARDWA	Contract signature date	90 days after contract signature	
6	Tape Library with Backup & Restore SW	1	Set	MARDWA	Contract signature date	90 days after contract signature	

7	GIS Workstation	18	Units	As shown in table 2 “List of Related Services and Completion Schedule”, Column “Place where Services shall be performed” services no. 7.1-7.17	Contract signature date	90 days after contract signature	
8	UPS for GIS Workstation	18	Units	As shown in table 2 “List of Related Services and Completion Schedule”, Column “Place where Services shall be performed” services no. 8.1-8.17	Contract signature date	90 days after contract signature	

9	Desktop Workstation All-in-One	8	Units	As shown in table 2 “List of Related Services and Completion Schedule”, Column “Place where Services shall be performed” services no. 9.1-9.8	Contract signature date	90 days after contract signature	
10	UPS for Desktop Workstation All-in-One	8	Units	As shown in table 2 “List of Related Services and Completion Schedule”, Column “Place where Services shall be performed” services no. 10.1-10.8	Contract signature date	90 days after contract signature	
11	A0 Large Format Colour MFP (Printer/Copier/Scanner)	1	Units	MARDWA	Contract signature date	90 days after contract signature	

12	A3 Format Colour MFP (Printer/Copier/Scanner)	8	Units	As shown in table 2 “List of Related Services and Completion Schedule”, Column “Place where Services shall be performed” services no. 12.1-12.8	Contract signature date	90 days after contract signature	
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*Delivery date will start from the contract signature date till the goods are delivered at the final destination place.

2. List of Related Services and Completion Schedule

Service	Description of Service	Quantity	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
<i>[insert Service No]</i>	<i>[insert description of Related Services]</i>	<i>[insert quantity of items to be supplied]</i>	<i>[insert physical unit for the items]</i>	<i>[insert name of the Place]</i>	<i>[insert required Completion Date(s)]</i>
1	Rack Cabinet & Accessories	1	Set	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
2	Rack-Mounted Servers	4	Units	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
3	Access & Aggregation Network Switches	2	Units	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	

4	SAN Switches	2	Units	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
5	Centralized Storage System	1	Units	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
6	Tape Library with Backup & Restore SW	1	Set	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
7.1	GIS Workstation	2	Units	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
7.2	GIS Workstation	1	Unit	River Basin Agency for Semani	
7.3	GIS Workstation	1	Unit	River Basin Agency for Drini-Buna	
7.4	GIS Workstation	1	Unit	River Basin Agency for Ishem-Erzen	
7.5	GIS Workstation	1	Unit	River Basin Agency for Vjose	

7.6	GIS Workstation	1	Unit	River Basin Agency for Mat	
7.7	GIS Workstation	1	Unit	River Basin Agency for Shkumbin	
7.8	GIS Workstation	1	Unit	Technical Secretariat of the National Water Council	
7.9	GIS Workstation	1	Unit	Directorate of Water Resources Management	
7.10	GIS Workstation	1	Unit	Ministry of Environment	
7.11	GIS Workstation	1	Unit	National Environmental Agency	
7.12	GIS Workstation	1	Unit	Institute of Geological Science Energy, Water and Environment	
7.13	GIS Workstation	1	Unit	Albanian Geologic Survey	
7.14	GIS Workstation	1	Unit	Institute of Public Health	
7.15	GIS Workstation	1	Unit	Ministry of Interior	

7.16	GIS Workstation	1	Unit	Ministry of Transport and Infrastructure - General Directorate for Water Supply and Sewerage	
7.17	GIS Workstation	1	Unit	Ministry of Energy and Industry	
8.1	UPS for GIS Workstation	2	Units	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
8.2	UPS for GIS Workstation	1	Unit	River Basin Agency for Semani	
8.3	UPS for GIS Workstation	1	Unit	River Basin Agency for Drini-Buna	
8.4	UPS for GIS Workstation	1	Unit	River Basin Agency for Ishem-Erzen	
8.5	UPS for GIS Workstation	1	Unit	River Basin Agency for Vjose	
8.6	UPS for GIS Workstation	1	Unit	River Basin Agency for Mat	
8.7	UPS for GIS Workstation	1	Unit	River Basin Agency for Shkumbin	
8.8	UPS for GIS Workstation	1	Unit	Technical Secretariat of the National Water Council	

8.9	UPS for GIS Workstation	1	Unit	Directorate of Water Resources Management	
8.10	UPS for GIS Workstation	1	Unit	Ministry of Environment	
8.11	UPS for GIS Workstation	1	Unit	National Environmental Agency	
8.12	UPS for GIS Workstation	1	Unit	Institute of Geological Science Energy, Water and Environment	
8.13	UPS for GIS Workstation	1	Unit	Albanian Geologic Survey	
8.14	UPS for GIS Workstation	1	Unit	Institute of Public Health	
8.15	UPS for GIS Workstation	1	Unit	Ministry of Interior.	
8.16	UPS for GIS Workstation	1	Unit	Ministry of Transport and Infrastructure - General Directorate for Water Supply and Sewerage.	
8.17	UPS for GIS Workstation	1	Unit	Ministry of Energy and Industry	

9.1	Desktop Workstation All-in-One	1	Unit	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
9.2	Desktop Workstation All-in-One	1	Unit	River Basin Agency for Semani	
9.3	Desktop Workstation All-in-One	1	Unit	River Basin Agency for Drini-Buna	
9.4	Desktop Workstation All-in-One	1	Unit	River Basin Agency for Ishem-Erzen	
9.5	Desktop Workstation All-in-One	1	Unit	River Basin Agency for Vjose	
9.6	Desktop Workstation All-in-One	1	Unit	River Basin Agency for Mat	
9.7	Desktop Workstation All-in-One	1	Unit	River Basin Agency for Shkumbin	
9.8	Desktop Workstation All-in-One	1	Unit	Technical Secretariat of the National Water Council	
10.1	UPS for Desktop Workstation All-in-One	1	Unit	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
10.2	UPS for Desktop Workstation All-in-One	1	Unit	River Basin Agency for Semani	

10.3	UPS for Desktop Workstation All-in-One	1	Unit	River Basin Agency for Drini-Buna	
10.4	UPS for Desktop Workstation All-in-One	1	Unit	River Basin Agency for Ishem-Erzen	
10.5	UPS for Desktop Workstation All-in-One	1	Unit	River Basin Agency for Vjose	
10.6	UPS for Desktop Workstation All-in-One	1	Unit	River Basin Agency for Mat	
10.7	UPS for Desktop Workstation All-in-One	1	Unit	River Basin Agency for Shkumbin	
10.8	UPS for Desktop Workstation All-in-One	1	Unit	Technical Secretariat of the National Water Council	
11	A0 Large Format Colour MFP (Printer/Copier/Scanner)	1	Units	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
12.1	A3 Format Colour MFP (Printer/Copier/Scanner)	1	Unit	Ministry of Agriculture, Rural Development and Water Administration (MARDWA)	
12.2	A3 Format Colour MFP (Printer/Copier/Scanner)	1	Unit	River Basin Agency for Semani	
12.3	A3 Format Colour MFP (Printer/Copier/Scanner)	1	Unit	River Basin Agency for Drini-Buna	

12.4	A3 Format Colour MFP (Printer/Copier/Scanner)	1	Unit	River Basin Agency for Ishem-Erzen	
12.5	A3 Format Colour MFP (Printer/Copier/Scanner)	1	Unit	River Basin Agency for Vjose	
12.6	A3 Format Colour MFP (Printer/Copier/Scanner)	1	Unit	River Basin Agency for Mat	
12.7	A3 Format Colour MFP (Printer/Copier/Scanner)	1	Unit	River Basin Agency for Shkumbin	
12.8	A3 Format Colour MFP (Printer/Copier/Scanner)	1	Unit	Technical Secretariat of the National Water Council	

3. Technical Specifications

The Goods and Related Services shall comply with following Technical Specifications and Standards:

1. Rack Cabinet & Accessories

Quantity: 1 (one) Set

Rack Cabinet & Accessories.	
Rack Size & Frame	<ul style="list-style-type: none"> • Rack Height: 42HU; Rack Width: Standard 19-inch; Metallic Rack. • Perforated and removable Front & Rear Doors (lockable). • Removable Side Covers (lockable). • Rack Cabinet should be suitable for housing all equipment offered. • All unused space should be filled with 1U filler panels. • Equipment Mounting Depth ~ 1,000 mm
Accessories	<ul style="list-style-type: none"> • Power Distribution Units (PDU): 2 x Rack-Mounted PDU Included; Single Phase, 220V; 32A providing minimum of 14x C13 outlets, and minimum of 2x C19 outlets (per each PDU). • Rack should be equipped with rack fixing/stabilizing unit. • Rack should be equipped with grounding unit.
Warranty	<ul style="list-style-type: none"> • Minimum 3 Years

2. Rack-Mounted Servers

Quantity: 4 (four) Units

Rack-Mounted Server	
Form Factor	<ul style="list-style-type: none"> • Rack-Mount Server, Rack mounting Rail Kit should be included. • Server Rack Railing & Cable Kit should be included.
Processor(s)	<ul style="list-style-type: none"> • Newest generation of 64-bit, multi-core enterprise processor. • Included 2 (two) CPUs with minimum Average CPU Mark of 20,000 according to http://www.cpubenchmark.net (dual CPU evaluation).
Memory	<ul style="list-style-type: none"> • The server must be offered with 128GB of Memory. • Server Memory should be upgradable to at least 512GB. • Server Memory should offer Advanced ECC.
RAID Controller	<ul style="list-style-type: none"> • Integrated Array Controller with 2GB Cache to support RAID 0, 1, 1+0, 5, 5+0 and 6. • Server must support SATA, SAS and SSD Hard Drives.
Internal Storage	<ul style="list-style-type: none"> • 2 x 300GB 15K rpm 2.5in hot pluggable 12G SAS HDDs Included. • Server should support up to 8 HDDs. • Internal DVD-RW Drive Included.

Rack-Mounted Server	
Network Controller	<ul style="list-style-type: none"> • Integrated 4-ports Gigabit Ethernet Controller Included.
Storage Host Adapter	<ul style="list-style-type: none"> • 2 x Dual-Ports 8Gb Fibre Channel Adapters Included.
Ports	<ul style="list-style-type: none"> • 4 x Network; 1 x Remote Management; 2 x Video Ports (front & Rear); 4 x USB (1 Internal); 4 x FC Ports, 1 x Serial Port.
Power Supplies & Cooling	<ul style="list-style-type: none"> • Redundant (2-two) Power Supplies. Redundant fans. • Power Supplies and Fans must be hot pluggable.
Operating System & Virtualization Support	<ul style="list-style-type: none"> • The Servers should support MS Windows Server, Red HAT Linux, Suse Linux. • MS, VMware.
Security	<ul style="list-style-type: none"> • Trusted Platform Module (TPM) included.
Management Software	<ul style="list-style-type: none"> • Manufacturer Systems Management tools. • Dedicated service processor providing capabilities for Remote Management with virtual keyboard, video and mouse. • Diagnostics Tools including pre-failure notification.
Warranty	<ul style="list-style-type: none"> • Minimum 3 Years

3. Access & Aggregation Network Switches

Quantity: 2 (two) Units

Access & Aggregation Network Switches.	
Form factor	<ul style="list-style-type: none"> • Rack Mounted, Rack-Mounting Kit Included.
Interfaces	<ul style="list-style-type: none"> • 24 RJ45 autosensing 10/100/1000, Auto-MDIX • 1 RJ-45 Console Port • Minimum 2 x 10 Gb SFP+ interfaces through optional module or included in switch (optional module is no required). • 1 Stacking Module Slot.
Memory	<ul style="list-style-type: none"> • Minimum 128 MB Flash. • Minimum 512 MB RAM.
Capacity/Performance	<ul style="list-style-type: none"> • Minimum Switching capacity: 128 Gbps • Minimum Throughput: 95 Mpps • Minimum Mac-Address table: 15K Entries • Minimum Routing Table min 2K entries in total
L2 Switch Features	<ul style="list-style-type: none"> • IEEE 802.1Q VLAN, 4K VLAN IDs and 250 VLANs simultaneously • IEEE 802.1s MSTP • Rapid PVST • Jumbo Frames • IEEE 802.3ad LACP • LLDP • IGMP (IPv4) and MLD (IPv6) snooping

Access & Aggregation Network Switches.	
L3 Features	<ul style="list-style-type: none"> • IPv4/IPv6 capable • Static IP routing • RIP routing • DHCP relay for L3 access
Security	<ul style="list-style-type: none"> • IEEE 802.1X, • MAC or Web authentication • ACLs —IP based Access Control Lists - filtering based on L3 & L4 (TCP/UDP port number) • Port broadcast limit • BPDU protection & Spanning Tree Root Guard • SNMP: v1/v2/v3 • Port security • Dynamic ARP inspection/protection • DHCP protection; block unauthorized DHCP servers, preventing DoS attacks • MAC Blocking option that denies access from specific MAC Addresses
QoS	<ul style="list-style-type: none"> • 802.1p Quality of Service • Type of Service (ToS) • Queue Handling • CoS based on: 802.1p priority Queues, DSCP, DiffServ • Layer 4 prioritization (TCP/UDP port number) • Rate Limit
Management	<ul style="list-style-type: none"> • Full CLI with SSH • SNMP: Supports v1/v2/v3 • System Log: supports log server • Remote Monitoring (RMON) • Radius & Tacacs
Power/Environment	<ul style="list-style-type: none"> • European AC Power Input 220V, 50 Hz,
Warranty	<ul style="list-style-type: none"> • Minimum 3 Years

4. SAN Switches**Quantity: 2 (two) Units**

SAN Switches.	
Form Factor	<ul style="list-style-type: none"> • Rack Mounted, Rack-Mounting Kit Included.
Ports	<ul style="list-style-type: none"> • 24 ports, auto-sensing 1, 2, 4, or 8 Gb/s Ports. • At least 16 (sixteen) 8Gbps Fiber Channel ports enabled &

SAN Switches.	
	Licensed Included. • 1 x Management Port Included.
Performance	• 8Gb/s full duplex performance / port. • Up to 384 Gbit/s Switching Capacity.
Management	• Web Tools • Enhanced Group Management (EGM) • SNMP • Radius • Zoning Software
Power/Environment	• European AC Power Input 220V, 50 Hz,
Accessories	• 16 x LC/LC Multi-mode OM4 2 fiber 5m Cables Included. • 16 x SFP+ Transceivers Included.
Warranty	• Minimum 3 Years

5. Centralized Storage System**Quantity: 1 (one) Unit**

Centralized Storage System.	
Storage System	• Enterprise Class Tier 1 Storage System.
Form Factor	• Rack-Mount Storage System, Rack mounting Kit should be included.
No Single Point of Failure	• Storage Array shall be configured in a No Single Point of Failure configuration including Controllers (at least 2), Cache memory, Power supplies (at least 2) FANs, etc.
Architecture & Processing Power	• Controllers shall be true active-active so that a single logical unit can be shared across all offered controllers in symmetrical fashion, while supporting all the major functionalities like Thin Provisioning, Data Tiering etc.
Cache	• Storage Systems must have a minimum of 32GB cache per system offered.
Host Connectivity	• Storage System shall have a minimum of 4 FC host ports for connectivity to hosts running at 8Gbps speed. • Storage Array shall have possibility for additional 4 iSCSI/FCoE ports running at 10Gbps speed.
Disk Drive, Raid & Virtualization Support	• Storage System shall support 6Gbps dual-port Hot-Pluggable Enterprise SAS Hard Drives, SSD Hard Drives and NL SAS high-capacity Hard Drives. • Offered Storage Subsystem shall support RAID 0, 1, 1+0, 5 and RAID 6. • Offered storage array shall have native virtualization support.
Capacity & Scalability	• The Storage Array shall be offered with: • ~20TB Raw Capacity using 600GB or 900GB 6G 10K SAS 2.5in HDDs.

Centralized Storage System.	
	<ul style="list-style-type: none"> • ~24TB Raw Capacity using 2TB 6G 7.2K NL SAS 3.5in HDDs. • Storage Array shall be upgradable up to 400TB Raw Capacity.
Data Protection	<ul style="list-style-type: none"> • In case of Power failure, Storage array shall have de-stage feature to avoid any data loss.
Maintenance	<ul style="list-style-type: none"> • Storage System shall support online non-disruptive firmware upgrade for both Controller(s) and disk drives.
Storage Configuration & Management Software	<ul style="list-style-type: none"> • Storage System should be supplied with Configuration and Management Software. • Management Software should be able to monitor performance (IOPS Parameters) in real time.
Remote Replication	<ul style="list-style-type: none"> • Storage System should support hardware based data replication at the Array Controller level across all models of the offered family. • Storage System should support both synchronous and asynchronous replications between sites. • The Storage array shall also support three ways (3 Data Centers) replication to ensure zero RPO in native fashion without using any additional replication appliance.
Warranty	<ul style="list-style-type: none"> • Minimum 3 Years

6. Tape Library with Backup & Restore SW**Quantity: 1 (one) Set**

Tape Library with Backup & Restore SW.	
Form Factor	<ul style="list-style-type: none"> • Rack-Mount Tape Library, Rack mounting Kit should be included.
Capacity	<ul style="list-style-type: none"> • Shall support Native data capacity of 60TB (uncompressed) expandable to 150TB (2.5:1compressed). • Minimum of One LTO6 FC tape drive and minimum of 24 cartridge slots. • Shall be offered with RW Data Tapes for all the slots and 3 Universal Cleaning Cartridges.
Speed	<ul style="list-style-type: none"> • Offered LTO6 drive shall support 1 TB/hr. in 2.5:1 compressed mode.
Connectivity	<ul style="list-style-type: none"> • Offered Tape Library shall provide 8Gbps native FC connectivity to SAN switches.
Management	<ul style="list-style-type: none"> • Tape Library shall provide web based remote management.
Barcode Reader and Mail slots	<ul style="list-style-type: none"> • Tape library shall support Barcode reader and mail slot.
Other Library Features	<ul style="list-style-type: none"> • Tape Library shall have GUI Panel • Tape Library shall be supplied with software which can predict and prevent failures through early warning and shall also suggest the required service action.

Tape Library with Backup & Restore SW.	
	<ul style="list-style-type: none"> Offered Software shall also have the capability to determine when to retire the tape cartridges and what compression ratio is being achieved.
Backup Software OS and Clustering Support	<ul style="list-style-type: none"> The backup software shall support SAN based backup /restore for various OS platforms such as Windows, Linux and UNIX. Every server shall be able to access the tape library using the SAN infrastructure. The proposed backup solution shall support industry leading cluster solution such as MSCS, MC Service Guard, Veritas Cluster, etc.
Backup Software User Interface	<ul style="list-style-type: none"> The backup software shall have same GUI across heterogeneous platforms to ensure easy administration. The backup software shall have built-in Java / Web based GUI for centralized management of backup domain.
Licensing	<ul style="list-style-type: none"> The backup software shall be offered with a license for a Management backup server including unlimited number of backup clients. Each backup client shall be able to directly access, write to and read from the tape library through the SAN network for backup and restore operations. The backup software shall be offered with license for SAN based backup. All the data traffic for backups and restores must pass through the SAN infrastructure. The backup software shall be offered with one license to perform on-line, application consistent backups of MS SQL databases and Hyper-V virtual machines. The backup software shall support libraries up to 24 slots. The backup software shall provide several System Disaster Recovery options.
Media Management	<ul style="list-style-type: none"> The backup software shall provide a built-in media management and scheduling system.
Restore	<ul style="list-style-type: none"> The backup software shall be able to rebuild the backup database/catalog from tapes in the event of catalog loss/corruption. The backup software shall provide granularity of single file restore.
Warranty	Minimum 3 Years

7. GIS Workstation**Quantity: 18 (eighteen) Units**

GIS Workstation.	
Processor	<ul style="list-style-type: none"> Min Proc. Rating according to: www.cpubenchmark.net:

	10,000.
RAM	<ul style="list-style-type: none"> 16 GB DDR3 1333 ECC Included.
HDD Size & Type	<ul style="list-style-type: none"> 2 x 1 TB
Media Speed	<ul style="list-style-type: none"> 7200 Rpm SATA 6.0Gb/s
Disk subsystem controller	<ul style="list-style-type: none"> SMART III Serial ATA 6.0 GB/s, minimum 4 Serial ATA interfaces with RAID 1 and 5 Support. (Hard Disks Configured RAID 1)
Graphics	<ul style="list-style-type: none"> Dedicated HD graphics card x16 PCIe Minimum 4 GB dedicated video memory DVI/HDMI
Media Device	<ul style="list-style-type: none"> DVD+/-RW with Dual Layer DVD+R wri. capacity
Slots	<ul style="list-style-type: none"> Minimum (3) PCI/PCIe (2) PCIe x 16 slots
Ports	<ul style="list-style-type: none"> Minimum (8) USB nga te cilat min (2) USB Para dhe min (2) USB 3.0, (1) RJ-45, (1) audio in/out, (1) headphone and microphone
Networking	<ul style="list-style-type: none"> 2 x 10/100/1000 LAN Gigabit Ethernet cards
Sound	<ul style="list-style-type: none"> Integrated Sound Card
Speakers	<ul style="list-style-type: none"> Internal or Built-in Monitor
Security Management	<ul style="list-style-type: none"> Embedded Security TPM
Preinstalled Licensed OS	<ul style="list-style-type: none"> OEM Win. 7 or 8 Professional Edition 64-Bit.
Keyboard	<ul style="list-style-type: none"> Standard Keyboard QWERTY
Mouse	<ul style="list-style-type: none"> Minimum 3 Button scroll Optical
Power Supply	<ul style="list-style-type: none"> 220V/50Hz.
Power Cord	<ul style="list-style-type: none"> European
Recover CD	<ul style="list-style-type: none"> Recover CD/DVD or Recover Partition
Monitor Included	
Type	<ul style="list-style-type: none"> LCD, LED (same Brand as Workstation Unit)
Size	<ul style="list-style-type: none"> 24-Inch
Native Resolution	<ul style="list-style-type: none"> 1920 x 1080
Contrast Ratio Static	<ul style="list-style-type: none"> 1000:1
Response Time	<ul style="list-style-type: none"> 5ms
Display Port	<ul style="list-style-type: none"> (1) VGA, (1) DVI
Energy Efficiency	<ul style="list-style-type: none"> Energy Star, TCO-03
Power Supply	<ul style="list-style-type: none"> 220V/50Hz
Warranty	<ul style="list-style-type: none"> Minimum 3 Years

8. UPS for GIS Workstation**Quantity: 18 (eighteen) Units**

UPS for GIS Workstation	
Output Power	<ul style="list-style-type: none"> 1500 VA
Power Factor	<ul style="list-style-type: none"> ≥ 0.8
Wave Form	<ul style="list-style-type: none"> Sinusoidal
Nominal Voltage	<ul style="list-style-type: none"> 220-240 VAC

UPS for GIS Workstation	
Frequency	• 50 Hz +/- 5%
Voltage Regulation (On battery)	• +/-10%
Output Connectors	• \geq (4) IEC 320 C13 from battery
Nominal Input Voltage	• 220-240 VAC
Frequency	• 50 Hz
Voltage window	• 170 – 270 VAC
AVR	• Yes
Input Connector	• (1) IEC 320 C14
Shutdown Software	• Po
Led indicators	• Yes for all statuses
Audible indicators	• Yes for all statuses
Data	• (1) DB9 Serial or USB
Protection	• Overload, Discharge, and Overcharge Protection
Transfer time	• \leq 4 ms
Back-Up time	• \geq 6 minutes full load
Battery Type	• 12 V DC 7 Ah Lead-acid
Power Cord	• (1) European IEC-C13
PC Power Cord	• (2) IEC 320 C13 - IEC 320 C14
Data cable	• (1) DB9 Serial - DB9 Serial or USB- USB
Warranty	• Minimum 3 Years

9. Desktop Workstation All-in-One**Quantity: 8 (eight) Units**

Desktop Workstation All-in-One.	
Processor	• Min Proc. Rating according to: www.cpubenchmark.net : 7,000.
Processor:	• Intel or Equivalent
RAM	• 8 GB DDR3 1333 (Expandable)
HDD Size & Type	• 500GB Internal HDDs Included.
Media speed	• 7200 Rpm SATA 3.0Gb/s
Disk subsystem controller	• SMART III Serial ATA 3.0 GB/s,
Graphics	• HD Graphics
Media Device	• DVD+/-RW DL Rec. Software Included • 5-in-1 Memory Card Reader
Slots	• One PCI e Minicard Slot or Equivalent
Display	• 23" HD LED Backlight
Speakers	• Internal Stereo
Power Supply	• 220V/50Hz
Ports	• Rear : (4) USB 2.0(1) RJ-45, audio in/out,

Desktop Workstation All-in-One.	
	<ul style="list-style-type: none"> • DisplayPort or HDMI Out • Side : (2) USB 2.0, headphone and microphone Jack • Rear or Side (2) USB 3.0 • Front: Web Camera min 2 Mp integrated • Mic integrated
Networking	<ul style="list-style-type: none"> • 10/100/1000 LAN (RJ45) • Wireless 802.11 b/g/n, Bluetooth
Sound	<ul style="list-style-type: none"> • High Definition Audio 2.0
Operating System	<ul style="list-style-type: none"> • OEM Windows 8 Professional Edition
Keyboard	<ul style="list-style-type: none"> • USB - QWERTY
Pointing Device	<ul style="list-style-type: none"> • USB – Optical Mouse
Security Management	<ul style="list-style-type: none"> • Embedded Security TPM
Power Cord	<ul style="list-style-type: none"> • European
Recover & Drivers CD/DVD	<ul style="list-style-type: none"> • “Recover”, “Drivers” CD/DVD or Recover Partition
Other	<ul style="list-style-type: none"> • Energy Star, TCO-Certified.
Warranty	<ul style="list-style-type: none"> • Minimum 3 Years

10. UPS for Desktop Workstation All-in-One**Quantity: 8 (eight) Units**

UPS for GIS Workstation	
Output Power	<ul style="list-style-type: none"> • 600 VA
Power Factor	<ul style="list-style-type: none"> • ≥ 0.8
Wave Form	<ul style="list-style-type: none"> • Sinusoidal
Nominal Voltage	<ul style="list-style-type: none"> • 220-240 VAC
Frequency	<ul style="list-style-type: none"> • 50 Hz +/- 5%
Voltage Regulation (On battery)	<ul style="list-style-type: none"> • +/-10%
Output Connectors	<ul style="list-style-type: none"> • $\geq (4)$ IEC 320 C13 from battery
Nominal Input Voltage	<ul style="list-style-type: none"> • 220-240 VAC
Frequency	<ul style="list-style-type: none"> • 50 Hz
Voltage window	<ul style="list-style-type: none"> • 170 – 270 VAC
AVR	<ul style="list-style-type: none"> • Yes
Input Connector	<ul style="list-style-type: none"> • (1) IEC 320 C14
Shutdown Software	<ul style="list-style-type: none"> • Po
Led indicators	<ul style="list-style-type: none"> • Yes for all statuses
Audible indicators	<ul style="list-style-type: none"> • Yes for all statuses
Data	<ul style="list-style-type: none"> • (1) DB9 Serial or USB
Protection	<ul style="list-style-type: none"> • Overload, Discharge, and Overcharge Protection
Transfer time	<ul style="list-style-type: none"> • ≤ 4 ms

UPS for GIS Workstation	
Back-Up time	• ≥ 6 minutes full load
Battery Type	• 12 V DC 7 Ah Lead-acid
Power Cord	• (1) European IEC-C13
PC Power Cord	• (2) IEC 320 C13 - IEC 320 C14
Data cable	• (1) DB9 Serial - DB9 Serial or USB- USB
Warranty	• Minimum 3 Years

11. A0 Large Format Colour MFP (Printer/Copier/Scanner) Quantity: 1 (one) Unit

A0 Large Format Colour MFP (Printer/Copier/Scanner).	
Model	• Printer/Copier/Scanner A0 Large Format MFP Device.
Technology	• Ink Technology – Colour.
Print Resolution	• Up to 2,400 x 1,200 dpi resolution – Colour.
Scan/Copy Resolution	• Up to 600 dpi resolution – Colour.
Print/Copy/Scan Size	• A4 to A0 Size.
Maximum Scan Size	• 91 Cm Wide.
Print Speed for A0 Size	• ~60 A0 prints per hour.
Reduction/Enlargement	• 25 % to 200 %.
Scan Speed	• 3.5 Cm/Second Linear Colour Scan Speed.
Memory	• 1GB RAM. • 320GB Internal HDD.
Media Handling	• Input: two automatic front-loading roll feeds, smart roll switching, sheet feed. • Output: integrated output stacking tray (from A4/A to AO/E, with up to 50 A1/D-size capacity), media bin, automatic cutter. • Scanner: straight-through scan paper path for sheet and cardboard originals.
Connectivity	• USB Port. • Gigabit (1000Base-T) Ethernet Port.
Power Supply	• 220V/50Hz. • European Power Cord.
Software	• Print Drivers (MS Windows 7, 8). • Scanning SW (Scan to network, Scan to USB Drive).
Ink Included	• Starter Pack (all cartridges). • ~100 A0 Prints (all cartridges).
Warranty	• Minimum 3 Years

12. A3 Format Colour MFP (Printer/Copier/Scanner) Quantity: 8 (eight) Units

A3 Format Colour MFP (Printer/Copier/Scanner).

A3 Format Colour MFP (Printer/Copier/Scanner).	
Model	<ul style="list-style-type: none"> • Printer/Copier/Scanner A3 Format MFP Device.
Copy/Print speed for A4 B&W	<ul style="list-style-type: none"> • ≥ 25ppm
Monthly duty cycle	<ul style="list-style-type: none"> • 60,000 Pages
Reduction/Enlargement	<ul style="list-style-type: none"> • 25%-200%.
Document Feeder	<ul style="list-style-type: none"> • RADF/DADF.
Paper trays	<ul style="list-style-type: none"> • 2
Minimum Input capacity	<ul style="list-style-type: none"> • 500 Sheets.
Minimum Output Capacity (Standard)	<ul style="list-style-type: none"> • 250 Sheets.
Duplex Copying / Print	<ul style="list-style-type: none"> • Yes
Media Sizes	<ul style="list-style-type: none"> • A3
Memory	<ul style="list-style-type: none"> • ≥ 512 MB
Hard Disk	<ul style="list-style-type: none"> • 80 GB
Scan Speed	<ul style="list-style-type: none"> • 25 ppm
Scan Resolution	<ul style="list-style-type: none"> • 600x600 dpi
Maximum Scan Size	<ul style="list-style-type: none"> • A3
Toner	<ul style="list-style-type: none"> • Associated with Starter Kit.
Interface	<ul style="list-style-type: none"> • High Speed USB 2.0 • Toner for 30,000 Pages Included.
Ethernet	<ul style="list-style-type: none"> • Yes
Power cord	<ul style="list-style-type: none"> • European
CD Software/Drivers	<ul style="list-style-type: none"> • Yes
Warranty	<ul style="list-style-type: none"> • Minimum 3 Years or 300 000 copies

General Provisions Hardware

1.a.1 Power Supply Standard.

Unless otherwise stated in the detailed Technical Specifications above, all electrical equipment should be powered with 220V, 50Hz AC and should be equipped with power plugs. All devices must be compliant with Albanian and European Union electrical safety standards and follow EEC CE Marking Directive.

1.a.2 Software Licensing.

All Software provided should be properly licensed, in accordance with their manufacturer's licensing policy. The required time of support should be included for all software delivered. It is foreseen that all Microsoft licenses (excluding Windows OEM on workstations) will be

provided by the Ministry of Agriculture, Rural Development and Water Resources (MARDWR) as part of Microsoft Agreement with the Government of Albania.

1.a.3 Place of Delivery.

All the supplies of the Central Site are to be delivered and installed at the Government of Albania Data Center operated by the National Agency for Information Society. All the supplies for the users will be delivered at the users indicated address as shown in table 2 “List of Related Services and Completion Schedule”, Column “Place where Services shall be performed”.

1.a.4 Installation, Configuration and Start-up.

For all Hardware & Software of the Central Site included into Section 1, together with the delivery of the supplies, the installation, configuration and initial start-up services are required. These services do include:

- Preparation of the detailed design (Server, storage, backup, networking, software's and their migration, functional topology) for the provisioning of the required resources from hardware & software delivered;
- Preparation of the installation plan;
- Physical installation of all the equipment and proper placement into rack cabinet;
- Powering the Power Distribution Units (PDU-s) from the Data Center power network;
- Power UP for all equipment (Servers, SAN Storage, SAN Switches, Ethernet Switches, Tape Library);
- Installation of Microsoft 2012 R2 OS with Hyper-V virtualization enabled in all servers;
- Configuration of Ethernet Network Switches, L2 design and VLAN topology application;
- Start-up and initial configuration of SAN Storage System;
- Configuration of SAN Switches, zoning and provisioning;
- Storage sizing, provision of Storage Volumes and presentation to Hyper-V Servers (according to VM and application needs);
- Establishment of Microsoft Hyper-V virtualization clustered environment;
- Implementation of virtual machine manager;
- Provision of the required virtual machines (in terms of virtual resources needed);
- Testing Virtual Machine cluster redundancy and live migration functionalities;
- Configuration of Tape Library in the SAN;
- Installation and Configuration of Backup Software, including backup jobs and policies;
- Testing of backup and restore processes;
- Establishment of the Remote Access for remote management and configuration of all equipment;

- Registration and configuration of the dedicated domain for Water Cadastre.
- Produce acceptance form, tests and handover documents to (MARDWA) and get approval.
-

Ministry of Agriculture, Rural Development and Water Administration (MARDWA) reserves the right to delegate 2 employees from its IT Department to actively participate in the installation and configuration phase. They will be provided with the administrator's rights to generate all necessary security protection username & passwords for management of all the systems delivered.

1.a.5 Post-Completion Documentation.

The Contractor will be responsible for preparation of Technical Documentation describing all the configuration and services implemented. It should include detailed description of all hardware and software delivered (including asset identification serial numbers), configuration details, resource provisioning and a description of mandatory Warranty & Support procedures to be followed by the MARDWR, starting from the date of acceptance. This Technical Documentation will subject of approval from MARDWR and will be the basis for acceptance of all the supplies delivered.

1.a.6 Warranty & Support.

It is foreseen that the Water Cadaster Systems will serve a number of active users as well as public over the Internet. It is crucial that the Central Site platform remains up and running 24 hours, 7 days without (or minimal) interruption of services. The terms of warranty & support (or warranty only) required for each component above include upfront purchase of manufacturers' warranty & support bundled with the Hardware & Software delivered. This will be followed by a service delivery Agreement with the manufacturer of supplies (or any local servicing company that can provide service in Albania).

4. Drawings

These Bidding Documents includes *no* ” drawings.

5. Inspections and Tests

The following inspections and tests shall be performed:

- (a) check-up of supply of all necessary hardware, software, tools, etc.*
- (b) check-up of supply of technical references, users manuals and warranty cards or licenses for all hardware and software;*
- (c) verifications of configuration of all delivered equipment, manuals, warranty documents and serial numbers; and*
- (d) availability of pre-installed software, if applicable.*
- (e) issue to the Supplier the Acceptance Certificate confirming safe receipt of such Goods*

Section IX. Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

[The Purchaser shall select insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics]

GCC 1.1(i)	The Purchaser's country is: ALBANIA
GCC 1.1(j)	The Purchaser is: <i>Ministry of Agriculture, Rural Development and Water Administration</i>
GCC 1.1 (o)	The Final Destination(s) Place is/are: <i>As given in Section VII. Schedule of Requirements; Table 2 "List of Related Services and Completion Schedule", Column "Place where Services shall be performed"</i>
GCC 4.2	The version edition of Incoterms shall be 2010
GCC 5.1	The language shall be: <i>English</i>
GCC 8.1	For <u>notices</u> , the Purchaser's address shall be: <i>Attention: Mr. Vojo Bregu, Head of Contracting Authority</i> <i>Ministry of Agriculture, Rural Development and Water Administration</i> <i>Address: Bulevardi Deshmoret e Kombit No. 2</i> <i>City: Tirane</i> <i>Country: Albania</i> <i>Electronic mail address: vojo.bregu@bujqesia.gov.al</i>
GCC 9.1	The governing law shall be the law of <i>the Purchaser's country</i>
GCC 10.2	The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.2 shall be as follows: In the case of a dispute between the Purchaser and a Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Purchaser's country.
GCC 13.1	Details of Delivery and other Documents to be furnished by the Supplier are: <i>Supplier's invoice; Manufacturer's or Supplier's warranty certificate;</i>

	Original Certificate of origin issued by the Chamber of Commerce of country of origin; Packing list.
GCC 15.1	The prices charged for the Goods supplied and the related Services performed <i>shall not</i> be adjustable.
GCC 16.1	<p>GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>Payment for Goods and Services supplied from within the Purchaser's country shall be made in <i>Albanian Lek</i>, as follows:</p> <ul style="list-style-type: none"> (i) Advance Payment: Ten (10) percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract against a simple receipt and a bank guarantee for the equivalent amount and in the form provided in the bidding documents or another form acceptable to the Purchaser. (ii) On Delivery: Eighty (80) percent of the Contract Price shall be paid on receipt of the Goods and upon submission of the documents specified in GCC Clause 13. (iii) On Acceptance: The remaining ten (10) percent of the Contract Price shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate for the respective delivery and performed Services (if any) issued by the Purchaser.
GCC 16.5	<p>The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 60 days.</p> <p>The interest rate that shall be applied is 2 % per year</p> <p>Unless otherwise stated in the Particular Conditions, these financing charges shall be calculated at the annual rate of three percentage points above the discount rate of the central bank in the country of the currency of payment, or if not available, the interbank offered rate, and shall be paid in such currency.</p>
GCC 18.1	<p>A Performance Security "<i>shall</i>" be required</p> <p><i>The amount of the Performance Security shall be: 10% of the Contract Price.</i></p>
GCC 18.3	<p>If required, the Performance Security shall be in the form of : <i>Bank Guarantee</i></p> <p>If required, the Performance security shall be denominated in the currency of the <i>Contract Price</i></p>

GCC 18.4	Discharge of the Performance Security shall take place: <i>After delivery and acceptance of the Goods, the performance shall be reduced to five (5) percent of the Contract price to cover the Supplier's warranty obligations in accordance with Clause GCC 28.3.</i>
GCC 23.2	The packing, marking and documentation within and outside the packages shall be: <i>Not applicable</i>
GCC 25.2	Incidental services to be provided are: <i>Not applicable</i>
GCC 26.1	The inspections and tests shall be: as described in GCC 25.2
GCC 26.2	The Inspections and tests shall be conducted at: The Final Destination(s) Place as described in GVV 1.1 (o)
GCC 27.1	The liquidated damage shall be: 0.5% per week
GCC 27.1	The maximum amount of liquidated damages shall be: 10%
GCC 28.3	<p>The period of validity of the Warranty shall be: <i>3 (three) years</i> starting from the day of delivery.</p> <p>For purposes of the Warranty, the place(s) of final destination(s) shall be:</p> <p>Final project site destination as stated in the list of goods and delivery schedule.</p>
GCC 28.5	The period for repair or replacement shall be: <i>3 (three) years</i> starting from the day of delivery.

Invitation for Bids

ALBANIA
 WATER RESOURCES AND IRRIGATION PROJECT
 Project ID No. P121186
 Loan No.8211-AL

Contract Title: Hardware for Water Cadastre Center
Reference No. (as per Procurement Plan): MEFWA/G/004a

1. The Government of Albania has received financing from the World Bank toward the cost of the Water Resources and Irrigation Project and intends to apply part of the proceeds toward payments under the contract Hardware for Water Cadastre Center. Bidding process will be governed by the World Bank's rules and procedures."
2. The Ministry of Agriculture, Rural Development and Water Administration now invites sealed bids from eligible bidders for supply of hardware for Water Cadastre Center. The required delivery period for hardware is 90 days after contract signature.

Line Item N°	Description of Goods	Quantity	Physical unit
1	Rack Cabinet & Accessories	1	Set
2	Rack-Mounted Servers	4	Units
3	Access & Aggregation Network Switches	2	Units
4	SAN Switches	2	Units
5	Centralized Storage System	1	Units
6	Tape Library with Backup & Restore SW	1	Set
7	GIS Workstation	18	Units
8	UPS for GIS Workstation	18	Units
9	Desktop Workstation All-in-One	8	Units
10	UPS for Desktop Workstation All-in-One	8	Units
11	A0 Large Format Colour MFP (Printer/Copier/Scanner)	1	Units
12	A3 Format Colour MFP (Printer/Copier/Scanner)	8	Units

3. Bidding will be conducted through the National Competitive Bidding procedures as specified in the World Bank's *Guidelines: Procurement of Goods, Works and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers* ("Procurement Guidelines" January 2011), and is open to all eligible bidders as defined in the Procurement Guidelines. In addition, please refer to paragraphs 1.6 and 1.7 setting forth the World Bank's policy on conflict of interest.

Please note that any Consultant that has provided assistance in the procurement process as regards fulfilment of technical specification and any entity affiliated with such Consultant, as well as any Sub-consultants and any entity affiliated with such Sub-consultants, shall be disqualified from providing goods, works resulting from or directly related to this Consultant's Services.

4. Interested eligible bidders may obtain further information from Ministry of Agriculture, Rural Development and Water Administration, Administration (MARDWA), Mr. Ilirjan Lame Project Manager e-mail: ilirjan.lame@bujqesia.gov.al and inspect the bidding documents during office hours 08.00 to 16.30 hours at the address given below Ministry of Agriculture, Rural Development and Water Administration, Blv. Deshmoret e Kombit, no.2; Tirana, Albania.

5. A complete set of bidding documents in English may be purchased by interested eligible bidders upon the submission of a written application to the address below and upon payment of a nonrefundable fee 5.000 ALL (Albanian Lek). The method of payment will be direct deposit to specified account number in Banka Credins, Albania.

Account holder: PROJEKTI I BURIMEVE UJORE DHE UJITJES, MBUMK
BLV DESHMORET E KOMBIT NR.2. 01101 TIRANE

BANKA CREDINS
SWIFT: CDISALTRXXX
Account number 00000558388
IBAN AL1421211016000000000558388

6. Bids must be delivered to the address below Ministry of Agriculture, Rural Development and Water Administration, Blv. Deshmoret e Kombit, no.2; Tirana, Albania (protocol office) on or before Time **12:00 noon** date 28 April 2016. Electronic bidding will not be permitted. Late bids will be rejected. Bids will be publicly opened in the presence of the bidders' designated representatives and anyone who choose to attend at the address below Ministry of Agriculture, Rural Development and Water Administration, Blv. Deshmoret e Kombit, no.2; Tirana, Albania (third floor, meeting room) on Time **12:10 p.m.** date 28 April 2016.

7. All bids must be accompanied by a "Bid Security". The amount and currency of the bid security shall be 680.000 ALL (Six Hundred, Eighty Thousand Albanian Lek).

8. The addresses referred to above are:

Delivered address:
(Protocol office) Ministry of Agriculture, Rural Development and Water Administration, Blv. Deshmoret e Kombit, no.2; Tirana, Albania
Attn: Vojo Bregu
Head of Contracting Authority

Public opening:

Ministry of Agriculture, Rural Development and Water Administration, Blv. Deshmoret e Kombit, no.2; Tirana, Albania (third floor, meeting room)

Web site: www.bujqesia.gov.al