

الرقم 7/2/8537  
التاريخ 29/4/2025  
الموافق

TO: All bidders

**Tender:** Local Area Network Rehabilitation (Passive and Active)  
**Tender No:** 2/SUPPLY-USAID/2024

**Subject:** Addendum NO.4

Dear All:

Please find attached addendum No.4 to the above mentioned tender, this addendum is issued to be response to the bidders inquires and it will be considered as a part of the tender's documents.

Sincerely yours,

Secretary General/WAJ  
Eng. Sufyan T. Bataineh

مساعد الأمين العام لشؤون العطاءات والمشتريات  
المهندسة فتيوى أحمد العرابي

CC: ASG/Tenders and assists

Attachment: addendum no.4 (15 pages)

**RFQ LAN Rehabilitation (passive and active ) 2/SUPPLY-USAID/2024**

**Q1:** Bid Forms & Checklists: Please advise which Bid Forms & Checklists should be attached with Technical Proposal and which of them should be attached with Financial Proposal

**Answer:**

Refer to the RFP Section - 5. Bid Forms & Checklists

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**Q2:** Bid Security: As per RFP document, it mentioned "The Bid Security shall be valid for twenty-eight (28) days beyond the original validity period of the Bid". Please accept changing the validity of the Bid Security to be as the validity of the Bid.

**Answer:**

Not Accepted

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**Q3:** USAID Code 937: Most vendors of unrestricted countries have factories in many countries, including the restricted Advanced Developing countries. Please confirm this will be accepted.

**Answer:**

USAID Geographic Code 937 focuses on the source of the goods and services, not the origin.

---

**Q4:** Regarding the USAID Code 937

What is the needed document from us as a prove that items are compliant?

**Answer:**

Proof of the source of the goods (performa invoice for example) and a proof that the goods were available at the source country at the time of purchase.

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**Q5:** For USAID geographical code #937 (The United States, the recipient country, and developing countries other than advanced developing countries, but excluding any countries that is prohibited source).

Please provide us the list of the developing countries, advanced developing countries and the prohibited countries?

**Answer:**

Please refer to the World Bank listing of countries.



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**Q6:** Regarding the USAID Code 937

HPE Aruba is an American Company based on Houston Texas and all their research and development, and software production are done in the U.S, if the product shipped from U.S but the country of origin is not, will that be considered as comply or not?

**Answer:**

Yes. A proof that the goods were already in the source country at the time of purchase is required in this case.

---

**Q7:** Regarding the USAID Code 937

The software of the RFP is around 60 – 70 % from the TCO, and this software country of origin is U.S is that comply or not?

**Answer:**

Geo code 937 compliance is for each item within the bid and not for the entire bid.

---

**Q8:** Project Key Milestones

Operation Assurance: (90) days for Operation Assurance is a long period. We suggest reducing it to (30) days.

**Answer:**

Not Accepted

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**Q9:** Training

Please confirm that Vendor-certified training courses will be held in One Session for all Trainees per subject.

Please advise if Virtual Training can be accepted.

**Answer:**

One Session for all Trainees per subject, Virtual Training not accepted

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**Q10:** Lot 2/Fiber Patch Panels:

**RFQ LAN Rehabilitation (passive and active ) 2/SUPPLY-USAID/2024**

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**Q10:** Lot 2/Fiber Patch Panels:



Item 9: Please confirm that the Fiber Patch Panel is required with 4 LC Duplex connector and 8 Pigtails.

Item 10: Please confirm that the Fiber Patch Panel is required with 12 LC Duplex connector and 24 Pigtails.

Item 11: Please confirm that the Fiber Patch Panel is required with 24 LC Duplex connector and 48 Pigtails.

**Answer:**

**Items 9, 10, and 11:** Confirmed, the Fiber Patch Panels are required as specified in the query.

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**Q11:** Copper ToR Switch

As per the design a 4x100G ports only needed on the TOR switches to connect it to the core and for stacking/virtualization, could you please accept to decrease the number of these uplinks to only 4 and the throughput to 1.76Tbps (Non-Blocking Architecture)

**Answer:**

WAJ would like to have a scalable DC solution that can support any DC architecture/ topology / traffic flow that supports multiple use cases. So the requirement on ToR switches is: 48 ports 10G + minimum of 6\* 40G/100G QSFP28 ports (4 used in design today + 2 needed for future DC topologies). For that, we will require min of 2 Tbps non-blocking architecture on each ToR copper switch. WAJ is not only looking at supporting the current topology so the proposed solution should not be limited to that as there will be future requirements. There are two use cases which are considered for future:

- To add more ToR switches and the solution should be scalable to allow for interconnecting the additional ToR switches together in order to provide direct east-west traffic for certain applications where we don't want to send out to the core. Having additional 40G/100G on the ToR switches will help achieve this.
- Increase the uplink bandwidth between ToR switches and Core layer to 400G (to ensure non-blocking throughput between server layer and core layer. This can be accomplished by bundling additional 100G ports. Having additional 100G on the ToR switches will help achieve this.





Vendors proposing solutions with only 4 ports will not be considered fully compliant with the requirements.

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**Q12:** Access Switches: Supports MACSec security on access and uplink ports, and Supports Zero Touch Provisioning

In the RFP there is a requirement for MACSec on all access ports and uplinks and wanted to clarify its practical implications. MACsec requires all endpoints connecting to the access switch to support MACsec, which can limit compatibility, especially with diverse endpoint devices. Additionally, implementing MACSec for endpoints involves using 802.1X authentication, which requires a Network Access Control (NAC) system to manage device authentication and policy enforcement. Endpoints do not support Static CAK which is used for inter-switch links, therefore this requirement would require a NAC based system for 802.1x authentication, to enable dynamic CAK. As an alternative, we recommend leveraging a Network Access Control (NAC) solution to implement a NAC- Based Zero Trust security model. NAC enforces identity-based policies, ensuring only authorized users and devices can access the network, regardless of MACsec support. This approach provides robust security, and greater compatibility across all endpoint types. Could you confirm if MACsec is a strict requirement, or would you consider a NAC-based Zero Trust solution for securing access?

**Answer:**

MACSec is a mandatory requirement for this project. All bidders are expected to demonstrate full compliance.

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**Q13:** Access Points-Locations

What is the method should be used to locate these Aps, will you provide us with the Aps locations or we should do the study during the site survey?

**Answer:**

We will provide you with APs locations



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**Q14:** As the policy from the mother companies to pay in advance can you change the payment terms

**Answer:**

Commit in WAJ payment terms 1.36

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**Q15:** With reference to Tender No. (2/SUPPLY-USAID/2024) and regarding the "project key milestones" specifically related to "Contracted Equipment Delivered to WAJ for (LOT 1)," is it possible to extend the delivery period for the equipment and devices included in (LOT 1) to 140 days instead of 90 days?

**Answer:**

It is acceptable to extend the delivery period for the equipment and devices included in (LOT 1) to 120 days instead of 90 days.

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**Q16:** Do you accept the manufacturing from these countries Taiwan, Singapore, Vietnam, Thailand and Philippines?

**Answer:**

Confirmed. A proof that the goods were already in the source country at the time of purchase is required in this case.

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**Q17:** Do you accept the TAA (Trade Agreement Act) compliant products which sold within the US under US government contracts? The TAA can restrict procurement of goods and services for federal contracts, if the program management office decides to check TAA compliance as a requirement. For most US Federal purchases, TAA compliance of the products is required. Some state government contracts require it as well (usually when the state network in question connects to a Federal network).

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Addendum NO.4





All products that carry a FIPS part number, also carry TAA compliance. If a state contract or opportunity requires TAA, the USF1 parts would be required to meet TAA compliance.

**Answer:**

Please comply with geographic code 937.

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**Q18:** would a modern, AI-powered cloud-native management solution like Juniper MIST Cloud Platform be considered an acceptable and viable alternative to the on-premises solutions specified in the RFP for two parts (WLAN Controllers and Network Management) while keeping the requested features for on-premises solution?

**Answer:**

After consultation with MOODE, it has been confirmed that it is not acceptable to use a cloud-based Network Management Solution (NMS) instead of the on-premises NMS specified in the RFP.

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**Q19:** Reference to Specs on section 4.3.2.1 Core Switch-point 14, section 4.3.2.2 Fiber ToR Switch-Point 15, section 4.3.2.4 Aggregation Switch-Point 15 as outlined below;

"Supports built-in Guest VM to host virtualized applications on the switch Application Visibility."

What is the need for adding such feature, such feature will consume a lot of resources such as (processor & memory on switch side)?

**Answer:**

This is a feature which WAJ wants to be supported by the proposed Core and ToR switches to benefit from various use cases which WAJ might find beneficial in future such as- but not limited to: protocol analyzer, edge IPS, Troubleshooting applications, etc....

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**Q20:** Reference to 4.3.3.2.1. Indoor Access Points – Point 5:



"The Wi-Fi APs should support Security features: WPA3, stateful L2-L7 DPI firewall, NAC support."

Please note that most of security features, such as the stateful L2-L7 DPI firewall, can be implemented using a hardware Firewall, so is it acceptable to propose an external hardware firewall to support the requested security features for the Access Points?

**Answer:**

WAJ requires the proposed access points to support L2-L7 deep inspection firewall capabilities to provide protection and control over traffic right at the edge of the wireless network (starting from the AP). WAJ wants to make use of this feature to filter and stop any unnecessary traffic initiated at the AP level from getting inside the wired network before even reaching the internal Firewalls and DC components.

All bidders need to fully comply with all the requested AP security requirements outlined in the RFP.

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**Q21:** Reference to 4.3.3.2.3. Network Management – Point 20:

"Has the capability to manage and monitor 3rd party devices using industry SNMP"

Could you please clarify which brands and devices this feature applies to?

**Answer:**

This should be vendor agnostic and not limited to specific vendors or models. This capability will allow WAJ to integrate the different heterogeneous networking components in our network to be visualized and managed from a single pane of glass, those components could be (not limited to): any vendor switches still deployed across WAJ sites, any vendor Firewalls, IPS, Load balancers, WLAN controllers, etc..





**Q22:** Reference to point 4.4.2.1: Mesh tray

Could you please confirm whether these materials should be used in the main corridors only and/or above false ceiling?

**Answer:**

Yes Confirmed

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**Q23:** Reference to 4.4.3. UTP Patch Panel Specs – Point 4: Should support punch-down termination method for UTP cables;

Please note that the punch termination method is outdated and no longer practical. Could you kindly confirm if a modular patch panel with toolless keystone jacks would be acceptable?

**Answer:**

Yes Acceptable

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**Q24:** Reference to 4.4.1. Bill of quantities:

The bill of quantities lists most items as "UP TO" quantities, which may impact how bidders price the tender. Could you please specify the exact quantities to be quoted? This would enable more accurate financial calculations.

**Answer:**

Please note that bidding companies are required to price the tender based on the quantities specified in the Bill of Quantities, even if they are listed as "UP TO" quantities. These should be considered as the basis for financial calculations.

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**Q25:** Reference to 4.5.2. Civil Works Requirements and Specifications – Point 2:

Full Isolation for the rooms as per communication room standards.

Could you please clarify the required standards for the communication room?



**Answer:**

This includes ensuring proper environmental controls, physical security measures, and compliance with relevant standards for temperature.

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**Q26:** Reference to 4.5.2.1. Electrical Works – Point 1:

Extending a main power line from floor B1 to the fourth floor, including the grounding lines on a main electrical panel on the fourth floor and connecting it to the UPS, and non-ups loads (cooling units, lighting and service sockets) and then distributing it to the floors so that each floor has a sub-panel for the communication cabinet from the UPS and direct electricity to the load. Prices shall include all required electrical work including all cabling, panels, circuit breakers, piping and accessories

For the electrical materials section, can we utilize the existing trays already installed in the building shaft?

**Answer:**

New trays shall be installed

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**Q27:** Reference to 4.5.3. UPS – Point 2: 16kVA, QTY2, N+N configuration.

6.1 Can we propose UPS with a capacity higher than 16KVA?

6.2 Do you need common batteries cabinet for both UPS's? Or do you need one cabinet for each UPS?

**Answer:**

**6.1** A UPS with a capacity higher than 16 kVA is acceptable, provided it meets all other project requirements.

**6.2** Each UPS must have its own dedicated battery cabinet to ensure full redundancy in the system.





**Q28:** Reference to 4.5.3. UPS – Point 7: Battery Recharge the UPS shall contain a three- stage battery charger designed to prolong battery life. Recharge time for UPS internal batteries after a full discharge to 90% capacity shall be a maximum of 3 hours.

Is it acceptable to recharge the battery to 90% within a maximum of 4 hours?

**Answer:**

Vendors proposing a solution with 90% within a maximum of 4 hours will not be disqualified; however, those not offering 90% within a maximum of 3 hours solution will receive fewer technical points.

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**Q29:** Reference to 4.5.3. UPS – Point 11: UPS with built-in surge protection safeguards connected devices against voltage spikes and transients

Please note that most well-known brands, such as Schneider Electric, Riello, Socomec, etc., do not offer this feature. Could you kindly consider making this feature an optional requirement?

**Answer:**

Surge protection can be implemented as an external device or a separate module before the UPS input.

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**Q30:** Reference to 4.5.5. Fire Fighting System – Point 1: Fire Detection & Fire Fighting (fighting will be only in the UPS room, all rooms will have fire detection).

For the firefighting system, should the fire detection be connected to a single centralized FACP located on the fourth floor, or should each room have its own separate FACP?

**Answer:**

The fire detection system should be connected to a single centralized Fire Alarm Control Panel (FACP) located on the fourth floor. This centralized



approach ensures streamlined monitoring and control of the entire system, enhancing efficiency and ease of operation.

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**Q31:** Reference to 4.5.5. Fire Fighting System – Point 6:

Key features of the fire detection and suppression system include fire detection system for the whole facility (smoke), very early smoke detection apparatus (VESDA)(Optional) located on computing and plant areas, FM200 or equivalent gaseous fire suppression, dry risers needed places of the data Centers, smoke and gas clearance systems where needed and CO2 gas extinguishers at strategic places

How many CO2 gas extinguishers should the bidder provide?

**Answer:**

The bidder should provide six (6) CO2 gas extinguishers

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**Q32:** Reference to 4.5.7. Monitoring System:

Do you require the installation of a single monitor device on the fourth floor, with all sensors connected directly to it in a star topology as a centralized system, or should a monitor device be installed in each room?

**Answer:**

The monitoring system should consist of a single centralized monitor device installed on the fourth floor, with all sensors connected directly to it in a star topology. This centralized approach ensures streamlined monitoring and control, providing efficient management of the entire system from one location.

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**Q33:** Reference to 4.5.8. Communication Cabinet:

12.1 Could you please clarify where the cabinets (42U and 15U) will be installed?

12.2 In the ministry building, could you confirm if the data point cables will be pulled to the existing cabinets on the fourth floor?





**Answer:**

The 42U communication cabinets should be installed in WAJ TC Rooms (Floor 2 – Floor 7), the 15U communication cabinets should be installed in Floor GF in WAJ and GF in MWI.

In the ministry building, it is confirmed that the data point cables will be pulled to the existing cabinets on the fourth floor

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**Q33:** What is the guidance for capturing visual content such as 'before and after' photos of the work?

**Answer:**

**Specifications:**

1. The picture shall be taken in a resolution no less than 1MB
2. The picture shall be in .JPEG, GIF, or PNG format
3. When using mobile devices' cameras, adjust settings according to required photo size to increase resolution.

**Submission:**

1. The picture shall be named in the following form (Project-place-DDMMYYYY)
2. In the picture file attributes, ensure to fill in the tags field with the keywords describing the picture and/or the project.
3. The pictures shall be submitted via email, cloud drive, USB memory stick, or CD. Mobile applications images are not considered.

Ensure gender balance, youth and beneficiaries' visibility in your storytelling visual (where applicable)

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1. The bid submission deadline has been extended to May 21, 2025, at 12:00 PM.



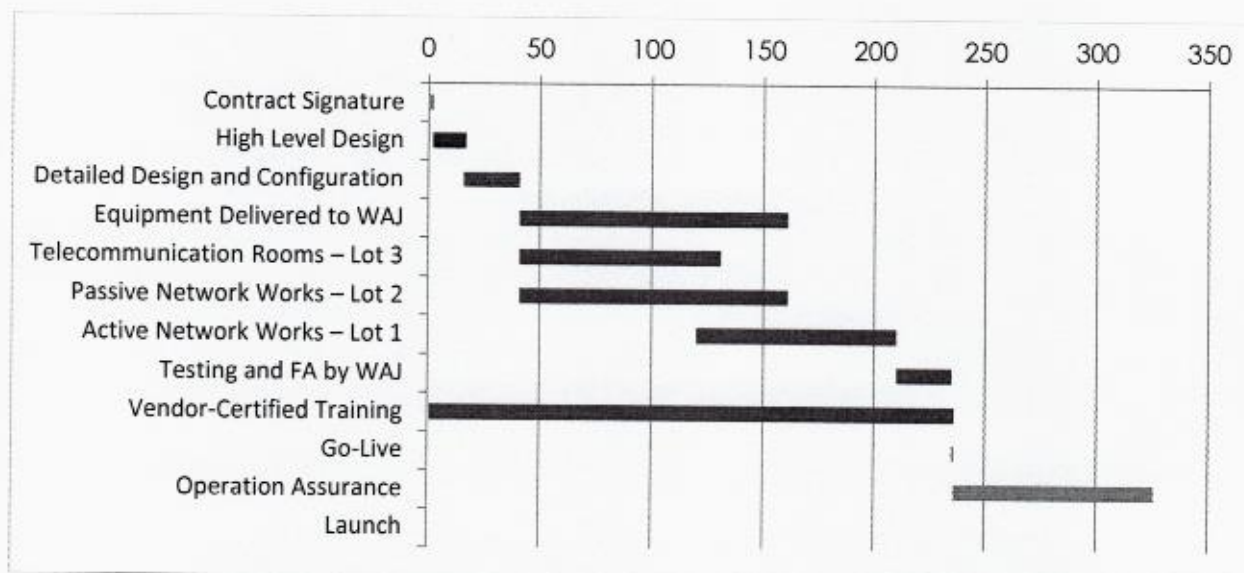
2. Add to section "1.29 WAJ's Right to Vary and Change Quantities" the following text "The Contractor shall know that the Contract is Ad measurement (Re-Measured) Fixed Contract Price (Fixed unit price contract), so that it is not required to implement all the data provided within this Contract. The construction and implementation shall be according to the available budget, Employer's assessment, and priority." This addition is because the tender is a design-build tender and the quantities of material are subject to change after the detailed design is completed.
3. Replace the existing table in section "2.10 Project Key Milestones" table with the following table.

No	Milestone Description	Duration	Entry Criteria	Exit Criteria
1	Contract Signature	As per the RFP Terms	Letter of Award to winning Bidder	<ul style="list-style-type: none"> <li>Contract duly signed and provide performance guarantee</li> <li>Site Transfer Report by WAJ</li> </ul>
2	Network Architecture – High Level Design (LOT1,LOT2,LOT3)	15 Days	Milestone 1 Completed Successfully	WAJ to approve Network Architecture
3	Network Architecture Detailed Design and Configuration (LOT1,LOT2,LOT3)	25 Days	Approved High-Level Network Architecture Design (milestone 3)	WAJ to approve the detailed design and configuration
4	Contracted Equipment Delivered to WAJ (LOT1,LOT2,LOT3)	120 Days	Milestone 1 Completed Successfully	WAJ Inspection Report
5	Renovated Telecommunication Rooms – Lot 3	90 Days	Approved High-Level Network Architecture Design (milestone 3)	WAJ Provisional Approval of the milestone
6	Passive Network Works – Lot 2	120 Days	Approved High-Level Network Architecture Design (milestone 3)	WAJ Provisional Approval of the milestone





No	Milestone Description	Duration	Entry Criteria	Exit Criteria
7	Active Network Installation and Configuration – Lot 1	90 Days	After lot 3, may partially overlap with lot 2	WAJ Provisional Approval of the milestone
8	Testing and Final Acceptance by WAJ	25 Days	Successful Completion of Milestones 5,6,7	Final Acceptance Report
9	Vendor-Certified Training	To be decided	To be decided during the life of the project	Certified ICTD Trainees
10	Go-Live	1 Day	Successful Completion of Milestones 8	WAJ to issue a go-live certificate
11	Operation Assurance	90 Days	Successful Completion of Milestone 10	Final Payment Release



4. Following the completion of works specified under this contract, the Supplier shall provide a defects notification guarantee in the form of a bank guarantee for 5% of the contract price valid for (LOT 1: 5 Years ) (LOT 2: 1 Year) (LOT 3: 3 Years). This guarantee shall ensure the validity and quality of the supplies and their compliance to the specifications. The DNP guarantee will be returned duly to the Supplier once a clearance letter provided by the Purchaser.

*[Handwritten signature]*

# Defects Notification Security Form

Beneficiary:

Water Authority of Jordan  
Jaber Bin Hayan Street, N° 45, Shmeisani  
Amman 11183, The Hashemite Kingdom of Jordan

Date:

[Insert date of issue]

DNP GUARANTEE No.:

[Insert guarantee reference number]

Guarantor:

[Insert name and address of place of issue, unless indicated in the letterhead]

We have been informed that **Name of Bidder** ..... (Hereinafter called "the Bidder") has entered into Contract No [Category] dated.....with the Beneficiary, for the [Subject] (hereinafter called "the Contract"). Furthermore we understand that, according to the conditions of the Contract, a Defects Notification guarantee is required for 5% (Five percent) of the contract price.

Waiving all objections and defences, we, as Guarantor, hereby irrevocably and independently undertake to pay the Beneficiary, any sum or sums not exceeding in total an amount of JOD.....(in words

.....**Jordanian Dinar** upon receipt by us of the Beneficiary's first demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that the Bidder is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for the demand or the sum specified therein.

In the event of any claim under this guarantee, payment shall be effected to **Water Authority of Jordan, Hashemite Kingdom of Jordan**.

This guarantee shall expire not later than .....

By this date we must have received any claims for payment by letter or encoded telecommunication.

It is understood that you will return this guarantee to us on expiry or after payment of the total amount to be claimed hereunder.

This guarantee is governed by the laws of the Hashemite Kingdom of Jordan.

\_\_\_\_\_  
Place, date

\_\_\_\_\_  
Guarantor's authorized signature(s)

