



شركة توزيع الكهرباء المساهمة العامة Electricity Distribution Company



Ref : _____

الرقم : 17030/93/22/9

Date : _____

التاريخ : 2022/11/21

السادة _____ المحترمين

الموضوع: تمديد موعد إغلاق العطاء رقم (2022/93) والخاص

توريد نظام النسخ الاحتياطي لمكاتب الإدارة والموقع البديل

إشارة الى الموضوع اعلاه ، يرجى العلم بأنه تقرر تمديد موعد إغلاق العطاء (2022/93) و المتعلق بتوريد نظام النسخ الاحتياطي لمكاتب الإدارة والموقع البديل، والذي يصادف موعد إغلاقه يوم الثلاثاء الموافق 2022/11/22 إلى يوم الثلاثاء الموافق 2022/12/6.

واقبلوا الإحترام ،،،

نائب المدير العام للشؤون الفنية

م. سامي الزواتين

FQp18-02,Rev.c



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Jordan



THE HASHEMITE KINGDOM OF JORDAN
ELECTRICITY DISTRIBUTION COMPANY (EDCO)

Tender No. (93/2022)

تمديد

**توريد نظام النسخ الاحتياطي لمكاتب
الإدارة والموقع البديل**

Tenderer:

- Name: _____
- Address: _____
- Telephone/ Cellular: _____
- Fax: _____
- Website: _____
- E-Mail: _____
- Contact Person: _____

Director General

Electricity Distribution Company (EDCO)

P.O. BOX: 830878.

Amman - 11183 - Jordan.

The Hashemite Kingdom of Jordan.

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INVITATION TO TENDER

(93/2022)

Dear Sir,

You are kindly requested to tender for the supply of the below mentioned materials as per the quantities and technical specifications enclosed herewith, by filling in the schedules, signing the form of tender, and forwarding the complete tender documents to the attention of **EDCO-Director General** addressed as seen on the cover page, to be **received not later than 2: 00 pm (local time) (6/ 12 /2022)**.

All bids must be accompanied with a bid bond of a value not less than **5%** of the highest alternative tender price, otherwise your tender will not be considered. The bid bond shall be enclosed in the same envelope of the tender and must be delivered to the above office **not later than 2:00 pm (local time) (6/12 /2022)**.

- **The winning bidders/bidder shall bear the announcement costs in the local newspapers, no matter how often the announcement has been posted.**

GENERAL CONDITIONS

- The below are general conditions of contract for the supply and delivery of plant and materials based on United Nations economic commission for Europe publication ref.: me/ 188 Geneva. March, 1953 And/or according to FIDIC 1999 if there is a constructions works.

1. Preamble

1.1. These General Conditions shall apply, save as varied by express agreement accepted in writing by both parties.

1.2. Definition of Terms:

The "**Purchaser**" shall mean "**ELECTRICITY DISTRIBUTION COMPANY.**" Hereinafter called "**EDCO**", and shall include **EDCOS** legal personal representatives and duly appointed engineers. The "**Engineer**" shall mean ". **ELECTRICITY DISTRIBUTION COMPANY** " or persons for the time being or from time to time duly appointed in writing by the purchaser to act as Engineer for the purpose of the contract.

The words "approved" and "approval" where used in these conditions or in the specification shall mean "**approved by**" and "**approval of**" the purchaser respectively. The "Vendor" shall mean the "Contractor" who's tender has been accepted by the purchaser and shall include the **Vendor's**. (Contractor's) legal personal representatives, successors and permitted assigns, "**F.O.B. Price**" shall mean the cost of the equipment delivered free on board the ship or truck or aircraft, all port charges and handling charges (also heavy lift if applicable) included .

The contractor must insure the material against all risks from the time it leaves the works until it is placed F.O.B "**CFR price**" shall mean F.O.B. price plus freight including unloading at the port of destination. All Marine Insurance will be affected by the purchaser.

NOTE:-The contractor must provide full details of the material to be shipped in good time for **EDCO** to arrange for Marine Insurance before the material is actually shipped.

2. Formation of Contract

- 2.1. The contract shall be deemed to have been entered into when the purchaser has sent an acceptance in writing before the time set in the tender for acceptance or any such later date extended by the tenderer at the request of the purchaser.
- 2.2. Notwithstanding that the contract and correspondence in connection with the contract shall be in the English language, the contract shall be and be deemed to be a Jordan contract and shall accordingly be governed by and construed according to the laws for the time being in force in the Hashemite Kingdom of Jordan.
- 2.3. **Power to Vary The Work:** no alternations, amendments, omissions, additions, suspensions, or variations of the work, (hereinafter referred to as "variations") under the contract as shown by the contract drawings or the specification shall be made by the contractor except as directed in writing by the purchaser, but the purchaser shall have full power, subject to the provision hereinafter contained, from time to time during the execution of the contract by notice in writing to instruct the contractor to make such variation without prejudice to the contract and the contractor shall carry out such variations, and be bound by the same conditions, as far as applicable, as though they said variations occurred in the specification. If any suggested variations would, in the opinion of the contractor, if carried out, prevent him from fulfilling any of his obligations or guarantees under the contract, he shall notify the purchaser thereof in writing, and the purchaser shall decide forthwith whether or not the same shall be carried out, and if the purchaser confirms his instructions, the contractor's obligations and guarantee shall be modified to such an extent as may be justified. The difference in cost, if any, occasioned by any such variations, shall be added to or deducted from the contract price as the case may require. The amount of such difference, if any, shall be ascertained and determined in accordance with the rates specified in the schedule of prices so far as the same may be applicable, and where the rates are not contained in the said Schedule, or are not applicable they shall be settled by the purchaser and the contractor jointly.

But the purchaser shall not become liable for the payment of any charge in respect of any such variations, unless the instruction for the

performance of the same shall have been given in writing by him. In the event of the purchaser requiring any variation, such reasonable a proper notice shall be given to the contractor as will enable him to make his arrangements accordingly, and in cases where goods or materials are already prepared, or any designs, drawings, or patterns made or work done that requires to be altered a reasonable sum in respect thereof shall be allowed by the purchaser. Provided that no such variations shall, except with consent in writing of the contractor, be such as will involve an increase or decrease of the total price payable under the contract by more than 25 percent thereof. The power given to the purchaser to make any alteration, amendment, omission, addition or variation to, from or in any part of the works shall include power to vary from time to time the date for the completion of the works or any part thereof, **also the purchaser shall have the absolute right to increase the quantities in such manner that the increment does not exceed the amount of 25% of the total price payable under the contract, however; the same prices awarded and any other relevant conditions shall remain the same for this purpose. This right is valid during the delivery period of the ordered material, implementation of works, or (90) days from the date of the letter of award, which is come later.**

2.4. Precedence: In the event of any discrepancy or contradiction between the provisions of the conditions of contract and of the specification, the conditions of contract shall take precedence. Furthermore in case of discrepancy between unit and total prices then unit price will be considered.

2.5. Prices: the tender calls for firm prices, unless; otherwise mentioned in the special requirements schedule.

3. Drawings and Descriptive Documents

3.1. The weights, dimensions, capacities, prices, performance rating and other data included in catalogues, prospectuses, circulars, advertisement, illustrated matter and price lists constitute an approximate guide. These data shall not be binding save to the extent that they are by reference expressly included in the contract.

3.2. Any drawings or technical documents intended for use in the construction of the material or of part thereof and submitted to the purchaser prior or

subsequent to the formation of the contract remain the exclusive property of the Vendor. They may not, without the Vendor's consent, be utilized by the purchaser or copied, reproduced, transmitted or communicated to a third party. Provided, however, that the said plans and documents shall be the property of the purchaser.

- a. If it is expressly so agreed, or
 - b. If they are referable to a separate preliminary development contract on which no actual construction was to be performed and in which the property of the Vendor in the said plans and documents was not reserved.
- 3.3. Any drawings or technical documents intended for use in the construction of the material or of part thereof and submitted to the Vendor by the Purchaser prior or subsequent to the formation of the contract remain the exclusive property of the Purchaser. They may not, without his consent be utilized by the Vendor or copied, reproduced, transmitted or communicated to a third party.
- 3.4. The Vendor shall, if required by the purchaser, furnish free of charge to the purchaser at the commencement of the Guarantee Period, as defined in clause 9, information and drawings other than manufacturing drawings of the material in sufficient detail to enable the purchaser to carry out the erection, commissioning, operation and maintenance (including running repairs) of all parts of the material. Such information and drawings shall be the property of the purchaser and the restrictions on their use set out in paragraph 2 hereof shall not apply thereto. Provided that if the Vendor so stipulates, they shall remain confidential.

4. Packing of the materials and shipping marks

- 4.1. All materials, equipment and goods shall be very well packed, in seaworthy containers and/or wooden cases, etc. These should protect the material during shipping, handling, unloading for a reasonable period of storage at Aqaba and latter storage at EDCO stores.
- 4.2. Packing for indoor materials should be done in such manner as to adequately ensure no ingress of moisture, during the shipping and storage periods.

- 4.3. Packing of fragile equipment (e.g. including instruments and porcelain) should be done in a way which ensures a reasonable resistance to impact breakage during transport.
- 4.4. Packing shall in general be adequate and in compliance with the best international practice.
- 4.5. A descriptive and fully itemized list shall be prepared for the contents of each packing case. A copy of this list shall be placed in a waterproof envelope under a metal or other suitable plate and securely fastened to the outside of one end of the case. And its position adequately indicated by stenciling on the case. Where appropriate drawing showing the erection marking of the items concerned shall be placed inside the case.
- 4.6. **EDCO** will supply the successful tenderer with a drawing of its shipping mark for utilization.
- 4.7. All packing cases, crates, barrels and drums shall remain the property of the purchaser.

5. **Inspection and Tests**

All inspections and tests of the Plant and materials shall be performed to the extent and in the manner as stipulated in the Standards specified. Type test certificates shall be submitted for all important items supplied. They shall contain all major technical particulars which are mentioned in the Technical Data Sheets.

Routine test certificates showing the results of all tests performed on the individual Plant and materials shall be furnished to the Purchaser before dispatch of such equipment. The Purchaser reserves the right to have certain tests performed in the presence of his representative or an independent testing authority. A suitable program for such inspections and tests shall be agreed upon and adequate notice (at least 21 days) shall be given when the Plant and/or materials are ready for inspection or test and every facility shall be provided by the Contractor to enable the Purchaser to carry out the necessary inspections and tests. The performance of any such inspections and tests in the presence of the Purchaser and/or an independent testing authority does not relieve the Contractor from his Contractual obligations.

5.1 General Inspection Requirement

The whole of the material by the contract will be subject to inspection and testing by the engineer during manufacture and on completion. The approval of the engineer or the passing of any such inspection or test will not, however; prejudice the right of the purchaser to reject the material if it fails to comply with the specification when erected or to give complete satisfaction in service. The costs of all tests and inspection shall be borne by the contractor and shall be deemed to be included in the contract price. Before any material is packed or dispatched from the main or sub-contractor's works, all tests called for are to have been successfully carried out in presence of the engineer. Adequate notice shall be given when the material is ready for inspection or test and every facility shall be provided by the contractor and his inspection and his sub-contractors to enable the Engineer to carry out the necessary inspections and tests.

Triplicate copies of all principal test records and test certificates shall be supplied to the Engineer for all tests carried out in accordance with the provisions of the contract.

- 5.1.1** If expressly agreed in the contract, the purchaser shall be entitled to have the quality of the materials used and the parts of the instruments, both during manufacture and when completed, inspected and checked by his authorized representatives.

Such inspection and checking shall be carried out at the place of manufacture during normal working hours after agreement with the Vendor as to date and time.

- 5.1.2** If as a result of such inspection and checking the purchaser shall be of the opinion that any materials or parts are defective or not in accordance with the contract, he shall state in writing his objections and the reasons therefore.

- 5.1.3 Sub-Contractors:** Within two months of acceptance of the tenders the contractor shall forward to the engineer a list of all sub-orders placed or intended. The contractor shall submit three copies of all sub-orders or selected by the engineer for progress or inspection. One copy

of all drawings referred to in the sub-order is to be submitted unless otherwise agreed by the engineer. The drawings and sub-orders submitted to the engineer will cover all major components which are subject to electrical and mechanical pressure or stress when the material is in operation and also auxiliaries and stores which will be dispatched to site direct from the sub-contractor's work. For the purpose of this clause inter-works orders are to be treated as sub-order. Sub-orders are to include a statement advising the sub-contractor that the items being order will be subject to inspection and test by the Engineer. It is important that all copies of such orders are clearly marked with the main contractor's name and the following reference:

ELECTRICITY DISTRIBUTION COMPANY. CONTRACT No. (93 /2022)

Sub-Contractors are to comply with all the applicable requirements of this specification. Orders issued by the sub-contractor are also to include the main contractor's reference on their sub-order in addition to the above-mentioned heading.

5.2 **TESTS:**

All tests should meet the requirements of latest international standard mentioned in the contract or any relevant standard

5.2.1 Acceptance tests will be carried out and, unless otherwise agreed, will be made at the Vendor's works and during normal working hours. If the technical requirements of the tests are not specified in the contract, the tests will be carried out in accordance with the general practice obtaining in the appropriate branch of the industry in the country where the material is manufactured.

5.2.2 The Vendor shall give to the purchaser sufficient notice of the tests to permit the purchaser's representatives to attend. If the purchaser is not represented at the tests, the tests report shall be communicated by the Vendor to the purchaser and shall be accepted as accurate by the purchaser.

5.2.3 If on any test (other than a test site, where test on site are provided for in the contract) the material shall be found to be defective or not in accordance with the contract, the Vendor shall with all speed make good the defect or ensure that the plant complies with the contract. Thereafter, if the purchaser so requires, the test shall be repeated.

5.2.4 Unless otherwise agreed, the Vendor shall bear all the expenses of tests carried out in his works.

5.2.5 If the contract provides for tests on site, the terms and conditions governing such tests shall be such as may be specially agreed between the parties

5.2.6 **Material Tests:** The contractor shall provide test prices as required by the engineer to enable him to determine the quality of the material supplied free of charge and any cost of the tests shall be borne by the contractor. If any test pieces fails to comply with the requirements of the appropriate specifications for the material in question, the engineer may reject the whole of the material represented by that piece, the contractor's designers and

Metallurgists will be consulted before any material is so rejected. In the event of the engineer being furnished with the certified particulars of the tests which have been carried out for the

contractor by the suppliers of the material, he may, at his own discretion, dispense with the previously mentioned tests entirely.

5.2.7 Tests at Manufacture's Works: Works tests shall include all routine, electrical, mechanical and hydraulic tests in accordance with the relevant IEC standard or other standard may be approved except where departures there from and modifications thereto are embodied in this specification. For material not covered by an IEC or British standard or specifically mentioned in this specification the tests shall be agreed with the Engineer. After satisfactory completion of the witnessed tests at the works, the material shall be submitted for the engineer's approval preparatory to shipping. No item of material is to be dispatched to site until the Engineer has given his approval in writing.

5.2.8 Test Certificates: Triplicate sets of all principal test records test certificates and performance curves shall be supplied for all tests carried out in accordance with the provisions of this contract. These test records, certificates and performance curves shall be supplied for all tests, whether or not they have been witnessed by the engineer. The information given in such test certificates and curves shall be sufficient to identify the material or equipment to which the certificates refers and should also bear the contract reference and heading as given in clause 7.2 of this section.

5.2.9 Rejection of the materials: If Any item of material or component which fails comply with the requirements of this specification in any respect whatsoever at any stage of manufacture, test, erection or on completion at site may be rejected by the engineer either in whole or in part as he considers necessary, and after adjustment or modification if so directed by the Engineer, the contractor shall submit the item for the item for the further inspection and / or test.

In the event defects of such a nature that the requirements of this specification cannot be fulfilled by adjustment or modification shall be replaced by the contractor, at his own expense, to the entire satisfaction of the engineer.

5.3 **Maintenance:**

The contractor is to guarantee the efficient and good working of the material supplied under the contract for a period of 12 months (Gregorian) from the date of delivery of the material to EDCO SORES in accordance with the General conditions of contract.

6. **Passing of Risk**

Save as provided in paragraph 7.6, the time at which the risk shall pass shall be fixed in accordance with the International Rules for the Interpretation of Trade Terms (Incoterms) of the International Chamber of Commerce in force at the date of the formation of the contract.

7. **Delivery:**

7.1. Unless otherwise agreed the delivery period shall run from the latest of the following dates:

- a. The date of the formation of the contract as defined in clause 2.
- b. The date on which the Vendor receives notice of the issue of a valid import license where such is necessary for the execution of the contract.
- c. The date of the receipt by the Vendor of such payment in advance of manufacture as stipulated in the contract.

7.2. Should delay in delivery be caused by any of the circumstances mentioned in clause 10 or by an act or omission of the purchaser and whether such cause occur before or after the time or extended time for delivery, they shall be granted subject to the provisions of paragraph 5 hereof such extension of the delivery period as is reasonable having regard to all the circumstances of the case.

7.3. If a fixed time for delivery is provided for in the contract and the Vendor fails to deliver within such time or any extension thereof granted under paragraph 2 hereof, the purchaser shall be entitled, on giving to the Vendor within a reasonable time notice in writing, to

Claim a deduction of the price payable under the contract. Such deduction shall be calculated at the rate of one half of one percent

(0.5%) of that part of the price payable under the contract which is properly attributable to such portion of the plant as cannot in consequence of the said failure be put to the use intended for each complete week of delay commencing on the due date of delivery, but shall not exceed a maximum percentage deduction of ten percent. Such deduction shall be allowed when a payment becomes due on or after delivery. Save as provided in paragraph 5 hereof, such deduction of price shall be to the exclusion of any other remedy of the purchaser in respect of the Vendor's failure to deliver as aforesaid.

- 7.4. If the time for delivery mentioned in the contract is an estimate only, either party may after the expiration of two thirds of such estimated time require the other party in writing to agree a fixed time. Where no time for delivery is mentioned in the contract, this course shall be open to either party after the expiration of six months from the formation of the contract. If in either case the parties fail to agree, either party may have recourse to arbitration, in accordance with the provisions of clause 13, to determine a reasonable time for delivery and the time so determined shall be deemed to be the fixed time for delivery provided for in the contract and paragraph 3 hereof shall apply accordingly.
- 7.5. If any portion of material in respect of which the purchaser has become entitled to the maximum deduction provided for by paragraph 3 hereof, or in respect of which he would have been so entitled had he given the notice referred to therein, remains undelivered, the purchaser may by notice in writing to the Vendor require him to deliver and by such last mentioned notice fix a final time for delivery which shall be reasonable taking into account such delay as has already occurred.
- 7.6. If for any reason whatever the Vendor fails within such time to do everything that he must do to effect delivery, the purchaser shall be entitled by notice in writing to the Vendor, and without requiring the consent of any court, to terminate the contract in respect of such portion of the material and thereupon to recover from the Vendor any amount not exceeding that part of the price payable under the Contract which is properly attributable to such portion of the material as could not in consequence of the Vendor's failure be put to the use intended.

- 7.7. If the purchaser fails to accept delivery on due date, he shall nevertheless make any payment conditional on delivery as if the material had been delivered. The Vendor shall arrange for the storage of the material at the risk and cost of the purchaser. If required by the purchaser, the Vendor shall insure the material at the cost of the purchaser. Provided that if the delay in accepting delivery is due to one of the circumstances mentioned in clause 10 and the Vendor is in a position to store it in his premises without prejudice to his business, the cost of storing the material shall not be borne by the purchaser.
- 7.8. Unless the failure of the purchaser is due to any of the circumstances mentioned in clause 10, the Vendor may require the purchaser by notice in writing to accept delivery within reasonable time. If the purchaser fails for any reason whatever to do so within such time, the Vendor shall be entitled by notice in writing to the purchaser, and without requiring the consent of any court, to terminate the contract in respect of such portion of the material as is by reason of the failure of the purchaser aforesaid not delivered and thereupon to recover from the purchaser any loss, suffered by reason of such failure up to an amount not exceeding the value of the material, the delivery of which has not been accepted.
- 7.9. If the winner contractor in the tender, refrained for supply the material or execution of works which awarded for him or failed to execute the contract on the limited time, or failed to replace the rejected material or works in another applying materials on his account, the tender committee which takes its previous design to award the tender for this supplier has the right to confiscate the bid bond or the performance bond or part of them as commensurate with the material & works value.
- 7.10. If refrained bidder to comply with his offer or did not complete the necessary contract and signing of the purchase order and did not submit the performance bond within 15 days from the date of the order, the tender committee has the right to confiscate the bid bond.

Force Majeure

- Notwithstanding the provisions of clauses 7, the supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- For purposes of this clause, "Force Majeure" means an event beyond the control the supplier not involving the supplier's fault or negligence. Such events may include, but are not restricted to, acts to the purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and fright embargoes.
- If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall all reasonable alternative means for performance not prevented by the Force Majeure event.

8. Payment:

8.1. **Terms of Payment:**

Subject to any deduction which the purchaser may be authorized to make under the contract or subject to any additions or deductions provided for under clause 2-3 above, The Company (EDCO) prefers to deal with the supplier on an **open account basis**, and the payment to be made as the following:

a. (10%) of the CFR contract value (as shown by the supplier's invoice/contractor invoice) on receipt of the following **legalized shipping** documents by EDCO:

- (Original Invoice + five copies)
- (Certificate of origin + five copies)
- (Bill of lading 3-negotiable + 5 non-negotiable)
- (Test certificate (where applicable) + 6 copies).
-

The original shipping documents must arrive to EDCO or to our bank before (5) days at least prior the materials arrival.

b. (80%) of the invoice value to be paid within 60 days of Receipt of EDCO's certificate of acceptance, Receipt of goods at EDCO stores.

c. (10%) of the contract value within 60 days from expiration of the guarantee period.

If the bidder insists on L/C (letter of credit) as a method of payment, all L/C charges will be on his own expense, in all respects all banking charges are at vendor account, the terms will be as follows:

a. The L/C will be confirmed and irrevocable but has to be **acceptance** L/C, and the supplier has to send the following **legalized shipping** documents:

- (Original Invoice + five copies),
- (Certificate of origin + five copies),
- (Bill of lading 3-negotiable + 5 non-negotiable),
- (Test certificate (where applicable) + 6 copies).
- (Release of shipment (where applicable) – fax copy is accepted).

b. Payment will be released after submitting EDCO's certificate of acceptance to the bank within (30) days after receipt of goods at EDCO's stores.

In the case of a Jordanian Supplier (materials are delivered from local companies), payment will be made through presentation of the invoice as following:

- a. (90%) of the contract value to be paid within 30 days from date of receipt and acceptance of the materials at our EDCO stores.
- b. (10%) of the contract value within 30 days from expiration of the guarantee period (one year from the date of receipt and acceptance of the materials at EDCO stores)

NOTE:

- In case the supplier has better terms of payment than those mentioned above the purchaser will discuss such terms.
- Any deviation on the payment methods mentioned above, will negatively affect the evaluation of tenderer's offer.
- In case the payment by acceptance L/C, The performance bond should be valid for a period expiring at least one year after receipt of the last consignment in EDCO stores.
- EDCO has the right to request an additional bank guarantee equal to (5%) five percent to cover the guarantee period.

Currency of Payment: The contract price will normally be paid in the currency or currencies in which the price has been stated. The purchaser, however, reserves the right to make payments in the currencies of the countries of origin of goods and services at the exchange rates applicable at the time of payment of the contract price.

Shipping documents shall comprise the following documents: -

- 1) **Invoices** – one original, five copies.
- 2) **Shipping specification (packing list)** – six copies.
- 3) **Certificate of origin** – one original, five copies.
- 4) **Bill of lading** – 3 three negotiable, five non-negotiable.
- 5) **Test certificates (where applicable)** – six copies.
- 6) **Release of shipment (where applicable)** – fax copy is accepted.
- 7) **EDCO's Certificate of Acceptance** - fax copy is accepted

- 8.2. Any advance payments made by the Purchaser are payments on account and do not constitute a deposit, the abandonment of which would entitle either party to terminate the Contract.
- 8.3. If delivery has been made before payment of the whole sum payable under the Contract, plant delivered shall, to the extent permitted by the law of the country where the plant is situated after delivery, remain the property of the Vendor until such payment has been effected. If such law does not permit the Vendor to retain the property in the plant, the Vendor shall be entitled to the benefit of such other rights in respect thereof as such law permits him to retain. The Purchaser shall give the Vendor every assistance in taking any measures required to protect the Vendor's right of property or such other rights as aforesaid.
- 8.4. A payment conditional on the fulfillment of an obligation by the Vendor shall not be due until such obligation has been fulfilled, unless the failure of the Vendor is due to an act or omission of the Purchaser.
- 8.5. If the Purchaser delays in making any payment, the Vendor may postpone the fulfillment of his own obligations until such payment is made, unless the failure of the Purchaser is due to an act or omission of the Vendor.
- 8.6. If delay by the Purchaser in making any payment is due to one of the circumstances mentioned in clause 10, the Vendor shall not be entitled to any interest on the sum due.
- 8.7. Save as aforesaid, if the Purchaser delays in making any payment, the Vendor shall on giving to the Purchaser within a reasonable time notice in writing be entitled, and without requiring the consent of any Court, to terminate the Contract and thereupon to recover from the Purchaser the amount of his loss up to the value of the plant, the payment for which has been unreasonably delayed.

9. **Guarantee:**

- 9.1. Subject as hereinafter set out; the Vendor undertakes to remedy any defect resulting from faulty design, materials or workmanship.
- 9.2. This liability is limited to defects which appear during the period (Hereinafter called the Guarantee Period) of **fifteen** months from date of dispatch ex-works or twelve months from the date of accepting the Materials at EDCO stores whichever shall be later.

Or in case of turn key projects eighteen months from the date of setting to work.

- 9.3. In fixing this period due account has been taken of the time normally required for transport as contemplated in the contract.
- 9.4. In respect of such parts (whether of the Vendor's own manufacture or not) of the material as are expressly mentioned in the contract, the Guarantee Period shall be such other period (if any) as is specified in respect of each of such parts.
- 9.5. The Guarantee period is based on the continuous use of the plant in services for 24 hours every day.
- 9.6. A fresh Guarantee Period equal to that stated in paragraph 2 hereof shall apply, under the same terms and conditions as those applicable to the original material, to parts supplied in replacement of defective parts or to parts renewed in pursuance of this clause. This provision shall not apply to the remaining parts of material, the Guarantee Period of which shall be extended only by a period equal to the period during which the material is out of action as result of a defect covered by this clause.
- 9.7. In order to be able to avail himself of his rights under this clause the purchaser shall notify the Vendor in writing without delay of any defects that have appeared and shall give him every opportunity of inspecting and remedying them.
- 9.8. On receipt of such notification the Vendor shall remedy the defect forthwith and at his own expense. Save where the nature of the defect is such that it is appropriate to effect repairs on site, the purchaser shall return to the Vendor any part in which a defect covered by this clause has appeared, for repair or replacement by the Vendor, and in such case the delivery to the purchaser of such part properly repaired or a part in replacement thereof shall be deemed to be a fulfillment by the Vendor of his obligations under this paragraph in respect of such defective part.
- 9.9. The Vendor shall bear all the costs and risks of the transport of defective parts or equipment's and their replacements.

- 9.10. Where, in pursuance of paragraph 9 hereof, repairs are required to be effected on site, the conditions covering the attendance of the Vendor's representatives on site shall be such as may be specially agreed between the parties.
- 9.11. Defective parts replaced according to this clause shall be placed at the disposal of the Vendor.
- 9.12. If the Vendor refuses to fulfill his obligations under this clause or fails to proceed with due diligence after being required so to do, the purchaser may proceed to do the necessary work at the Vendor's risk and expense, provided that he does so in a reasonable manner.
- 9.13. The Vendor's liability does not apply to defects arising out of materials provided, or out of a design stipulated, by the purchaser.
- 9.14. The Vendor's liability shall apply only to defect that appears under the conditions of operation provided for by the contract and under proper use. It does not cover defects due to causes arising after the risk in the material has passed in accordance with clause 6. In particular it does not cover defects arising from the purchaser's faulty maintenance or erection, or from alterations carried out without the Vendor's consent in writing, or from repairs carried out improperly by the purchaser, nor does it cover normal deterioration.
- 9.15. Save as in this clause expresses, the Vendor shall be under no liability in respect of defects after the risk in the material has passed in accordance with clause 6, even if such defects are due to causes existing before the risk so passed. It is expressly agreed that the purchaser shall have no claim in respect of personal injury or of damage to property not the subject matter of the contract or of loss of profit unless it is shown from the circumstances of the case that the Vendor has been guilty of gross misconduct.

9.16. All defective and/ or not complying materials shall be

Evacuated from

EDCO stores within a maximum of one month by the vender from the date of notifying him. All costs and expenses of transportation shall be borne by the vendor. Unless otherwise agreed.

Otherwise; EDCO has the right to deal with the defective materials in a proper way.

9.17. Gross misconduct "does not comprise any and every lack of proper care or skill, but means an act or omission on the part of the Vendor implying either a failure to pay due regard to serious consequences which a conscientious contractor would normally foresee as likely to ensue, or a deliberate disregard of any consequences of such act or omission.

10. Relief

10.1. The following shall be considered as cases of relief if they intervene after the formation of the contract and impede its performance: industrial disputes, and any other circumstances (e.g. fire, mobilization, requisition, embargo, currency restrictions, insurrection, shortage of transport, general shortage of materials and restrictions in the use of power) when such other circumstances are beyond the control of the parties.

10.2. The party wishing to claim relief by reason of any of the said circumstances shall notify the other party in writing without delay on the intervention and on the cessation thereof.

10.3. The effects of the said circumstances so far as they affect the timely performance of their obligation by the parties, are defined in clauses 7 and 8. Save as provided in paragraph 7.5, 7.7, and 8.7, if by reason of any of the said circumstances, the performance of the contract within a reasonable time becomes impossible, either party shall be entitled to terminate the contract by notice in writing to the other part without requiring the consent of any court.

10.4. If the contract is terminated in accordance with paragraph 3 hereof, the division of the expenses incurred in respect of the contract shall be determined by agreement between the parties.

10.5. In default of agreement it shall be determined by the arbitrator which

party has been prevented from performing his obligations and that party shall bear the whole of the said expenses.

Where the purchaser is required to bear the whole of the expenses and has before termination of the contract paid to the Vendor more than the amount of the Vendor's expenses, the purchaser shall be entitled to recover the excess. If the arbitrator determines that both parties have been prevented from performing their obligation, he shall apportion the said expenses between the parties in such manner as to him seems fair and reasonable, having regard to all the circumstances of the case.

- 10.6. For the purposes of this clause "expenses" means actual out of pocket expenses reasonably incurred, after both parties shall have mitigated their losses as far as possible. Provided that as respects material delivered to the purchaser the Vendor's expenses shall be deemed to be that part of the price payable under the contract which is properly attributable thereto.

11. Limitation of Damages:

- 11.1. Where either party is liable in damages to the other these shall not exceed the damage which the party in default could reasonably have foreseen at the time of the formation of the contract.
- 11.2. The party who sets up a breach of the contract shall be under a duty to take all necessary measures to mitigate the loss which has occurred provided that he can do so without unreasonable inconvenience or cost. Should he fail to do so, the party guilty of the breach may claim a reduction in the damages.

12. Rights at Termination:

Termination of the contract from whatever cause arising shall be without prejudice to the rights of the parties accrued under the contract up to the time of termination.

Arbitration and Law Applicable:

- 13.1. If Any dispute, question or controversy shall arise between the purchaser and the contractor concerning this contract the matter in dispute shall be referred to an arbitration committee composed of three (3) arbitrators

- 13.2.** One arbitrator shall be nominated by the purchaser and one by the contractor, and the third arbitrator shall be appointed by both parties.
- 13.3.** If either party fails to appoint his arbitrator within one month of the appointment of the arbitrator by the other party, or if the two parties fail to agree on the third arbitrator within two months of the date of the request to refer the dispute to arbitration, such arbitrator shall be appointed by the president of the highest court in Jordan at the request of either or both parties.
- 13.4.** The decision of the arbitrators shall be final and binding on both the purchaser and the contractor. Any such reference shall conform to the statutory enactment or regulation governing arbitration as may be in force in Jordan at the time. The assessment of costs incidental to the reference and award respectively shall be at the discretion of the arbitration committee.

TENDERING INSTRUCTIONS

1. The Tender shall be made in one copy of the accompanying form; however, all blanks and schedules shall be filled up in ink, and signed without alteration to the form of tender. If any such alteration were made, or if these Instructions were not fully complied with, the tender may be rejected. The tenderer; however, is at liberty to add any further details that he may deem desirable and, in the event of his so doing, shall print or type such details and annex the added matter to the tender submitted by him. Such additional details shall not be binding upon the purchaser unless they shall be subsequently incorporated in the contract.
2. One copy of the tender, and its accompanying documents, filled up as directed, together with the drawings, catalogs, and relevant documents called for, must be enclosed in a secure envelope endorsed **(Tender for Contract No. (93/2022))**.
3. All correspondences in connection with this tender and all matters accompanying the tender that are relevant to its examination shall be in English language and expressed in metric units.
4. The tender is to be held open for acceptance or rejection for a validity period of (90) days from the time fixed for opening the tenders.
5. Tenders received prior to the time fixed for opening of tenders will be securely kept, unopened. Tenders received after that time will be rejected. The purchaser bears no responsibility for premature opening of tenders not properly addressed or identified.
6. Tenders may be withdrawn by formal request received in writing from the tenderer prior to the time fixed for opening. If for any reason the tender should be withdrawn after the time fixed for opening and before expiry of the said validity period, the purchaser has the right to retain the full value of the tender bond.
7. The successful tenderer shall abide by the commercial and professional regulations as required by the Ministry of Industry & Trade, Engineering Association and other relevant Institutions in Jordan.

8. Tenderers attention is drawn to the action of customs officers in the discharge of their duties. Whereby air parcels are frequently opened In their own interests and in order to preserve the confidential nature of the tender price, tenderers are urged to pay attention to the:
 - a. To dispatch the completed tender document and any covering letter only by Air Mail which should be endorsed and labeled in the manner laid down in paragraph 10 of the Instructions to Tendering.
 - b. Technical literature and the like may reasonably be sent by Air Parcel or Air Freight but since this would then be separated from the actual Tender, each parcel should contain specific evidence identifying the Tender to which the contents refer.
 - c. The purchaser will not consider late or incompletely delivered tenders or literature supporting tenders due to the action of any customs officer.
9. In the event that the intending signatory does not manufacture one or more of the main sections of equipment and materials, then the tender submitted should give evidence to show that all the obligations imposed by the documents on the intending signatory have been fully understood and accepted, where applicable, by the manufacturer(s) to whom it would be intended to sub-contract one or more of the main sections of the equipment and materials.
10. For overseas transport of the contractor and his Sub-contractors, suppliers and manufactures must give priority to Jordan shipping national lines, and to Arab shipping companies and their subsidiaries for the shipping of goods, materials provided such companies ships call at the port of export. The contractor shall also give priority to the Royal Jordanian Airlines for air freight shipment and transport of personnel.
11. Tenderer must submit country of origin and name of manufacturer for the offered goods.
12. The foreign bidders who participate in this tender must submit their bids through a registered local agent or through their registered office in Jordan.
13. For all manufacturers from inside Jordan it is quite essential that they have JQM for their products and the purchaser will have the right to accept or reject their offer if they did not submitted the JQM certificate with their offer.

14. If samples were not re-claimed by the tenderer within one month from date of order all samples shall remain the property of the purchaser.
15. The purchaser will not be responsible for, nor to pay for, any expenses or losses which may be incurred by a tenderer in the preparation of his tender.
16. If the tenderer has any doubt about the meaning of any portion of the General Conditions, Specifications, Drawings, he shall clarify such doubts before submitting his tender, or in case of any further information can be obtained by an application in writing to the director general.
17. Tenderers are particularly directed that the amount entered on the form of tender shall be a fixed price for performing the contract strictly in accordance with the bound document, and shall be the sum total of all the amounts printed into and entered by the tenderer upon the schedule of prices.
18. Tender price shall include all incidental and contingent expenses.
19. The tender shall be accompanied by a tender bond in the form of a Bank Guarantee valid for at least 90 days from the time fixed for opening the tenders or certified check in favor of and payable to the purchaser for a sum of **5% Of Your Offer** _____ as a guarantee of good faith. This bond is to be issued by any approved bank in Jordan. The bond will be returned to the unsuccessful tenderer within (90) days from the time fixed for opening the tenders or at such earlier time as a tender shall have been accepted by the purchaser. In the case of the successful tenderer, the bond will, subject to the conditions of contract, be returned as soon as a formal contract agreement and a performance bond have been entered into.
20. The successful tenderer has to submit a performance bond equal to (10%) ten percent of the total amount of the order within (15) days from date of receipt of the order. Any delay will be subject to delay penalty.

If the successful tenderer fails for any reason to submit the required performance bond within (15) days, the purchaser will confiscate the bid bond and the awarding letter will be cancelled too.
21. The performance bond should be valid for a period; expiring at least one month after receipt of the last consignment in EDCO stores.

22. The tenderer shall state in his tender the name or names of the sureties, insurance company, or bank proposed for guaranteeing the performance of the contract.
23. Prices are highly recommended to be on the basis of C&F EDCO STORES. However CFR Aqaba port or Amman customs are also accepted. All prices offered shall be exempted from custom duties, sales taxes, import license fees and any other tariffs.
24. The tenderer may state the tender price in Jordanian Dinars. If however, a portion of the tenderer's expenditure under the contract is expected to be made in countries other than Jordan he may state a corresponding foreign currency portion of the tender price in the currencies of those other countries.
25. Stamp duty and award fees are payable on Jordanian contracts according to Jordanian laws and, after the placing of a contract, it is the contractor's responsibility to purchase legal stamps to the requisite amount depending on the contract value.
26. If after receipt of tenders, the purchaser finds any difference between prices shown on the form of tender in writing and in numerals, then the price shown in writing shall be considered correct by the purchaser and the tenderer. If any discrepancies are found between the total in the price schedule and the total obtained by adding the products of each quantity and its particular rate then, whether the price shown on the form of tender in numerals or in writing corresponds or not, the total obtained by adding the products of the quantities and their particular rates shall be considered by the purchaser and the tenderer as the tender price.
27. Tender evaluation will be consistent with the terms and conditions set forth in the tender document. In addition to the tender price adjusted to correct arithmetical errors, other relevant factors such as the time of completion of delivery or construction, operating costs where applicable, or the efficiency and compatibility of the equipment, the availability of service and spare parts, and reliability of construction methods proposed will be taken into consideration, to the extent and in the manner specified in the tender documents, in determining the evaluated tender most advantageous to the purchaser. For comparison of all tenders, the currency or currencies of the tender price for each tender will be valued in terms of Jordanian Dinars. The

rates of exchange to be used in such valuation will be the selling rates published by the CENTRAL BANK OF JORDAN and applicable to similar transactions, on the day tenders are opened unless there should be a change in the value of the currencies before the award is made. In the latter case, the exchange rates prevailing at the time of the decision to notify the award to the successful tenderer may be used.

28. The purchaser does not bind himself to accept the lowest offers of any tender, nor to assign any reason for the rejection of any tender, nor to purchase the whole of the equipment and materials specified. The purchaser has the right to purchase part of the tender, even if it is only one item from the schedule of rates and prices.
29. The tenderer shall submit with his tender in order of the relevant clauses, a statement of any departures from specifications, or he can fill in the related schedule attached herewith. Notwithstanding any description, drawings, or literature which may be submitted, all details other than those in the statement of departures shall be assumed to be in accordance with the specification.
30. Although IEC standards for workmanship, equipment and materials, have been selected in this specification as a basis of reference, standards and specifications of other countries and recommendations of other international standard organizations will be acceptable provided that they are substantially equivalent to the designated standards and provided

Further that the tenderer submits for approval detailed specification which he proposes to use.

31. References to brand names or catalog numbers, if any, in this specification have been made only for that equipment for which it has been determined that a degree of standardization is necessary to maintain certain essential features. In certain instances such references have also been made for purpose of convenience to specify the requirements. In either case offers of alternative goods which have similar characteristics and provide performance and quality at least equal to those specified are acceptable.
32. Where compliance with a specific standard specification is called for the standard specification used shall be that in force at the time of tender.
33. The Tenderer should submit a type test certificate from independent testing laboratory similar to the Tender materials as an evidence of his capability to

manufacture such materials also to submit a reference list showing his past supply and he should prove that he supplied similar materials to more than one firm and operated for more than 3 years without problems otherwise his offer will not be considered.

34. A nonrefundable fee of (100) JD will be charged for each set comprising one copy of the Tender Documents.

TENDER AGREEMENT SUMMARY

Tender No. (93/2022)

Dear Sir;

1. Having examined the conditions of Contract, specification and schedule for the above Works, the undersigned, offer to manufacture, supply, work, test, and deliver the said works described in the specification and schedules and in accordance with the said conditions of contract, for the sum of _____ or such other sum as may be ascertained in accordance with the said conditions.
2. We agree that this tender shall be held open for acceptance or rejection for the validity period of **(90) days** from the date fixed for opening tenders and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
3. Unless and until a formal agreement is prepared and executed, this tender, together with your written acceptance thereof, shall constitute a binding contract between us.
4. If our tender is accepted, we will deliver to **ELECTRICITY DISTRIBUTION COMPANY**. Within **(15) days** of being called upon to do so a performance bond by bank or insurance company (to be approved in either case by the purchaser) to be jointly and severally bound with us in a sum equal to **10%** of the value of the contract. The form of the performance bond will be as attached hereto. We propose the following Bank or insurance company as surety (or sureties) in this respect:-.....

5. We undertake if our tender is accepted and on receipt of your acceptance to commence and manufacture, works test, and complete for delivery **ex-works** the whole of the Works offered within (——) weeks calculated from the date of **Order Letter Awarding**, and to deliver on the dock at (—— port) - Jordan the whole of the works offered within a further (—— weeks, or to **EDCO stores** within a further (——) weeks.
6. We undertake to insure the materials against all risks from the time they leave the works until they are placed on board ship. We understand that marine insurance will be affected by **ELECTRICITY DISTRIBUTION COMPANY**. And we will provide details of the materials to be shipped in good time for **ELECTRICITY DISTRIBUTION COMPANY** to arrange for the said marine insurance.
7. A guarantee Period will apply to each section of the works of 15 months from the date of dispatch ex-works or 12 months from the date of setting to work whichever shall be later.
8. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this ——— day of / / 2022.

Signature———— in the capacity of————

Duly authorized to sign Tender for and on behalf of ———

ADDRESS ——— OCCUPATION ———

ELECTRICITY DISTRIBUTION COMPANY.

Form of Bid Bond

Tender No. (93/2022)

Dear Sir,

We are pleased to inform you that we guarantee
M/S _____for the amount
of _____in order to allow them to submit an offer
for the due performance of the undertaking and obligation as specified in their
Tender for Contract No. _____This Guarantee shall remain valid for a
period of **(90)** days from the time fixed for opening the Tenders by
ELECTRICITY DISTRIBUTION COMPANY.

This Guarantee shall be free from any interest and will be extended or paid in cash upon your first request in any or required, without the need for natural warning or judicial proceedings and without any rights to delay, oppose, or stop payment on our part, or on the part of the Tenderer or any of his representatives whomever.

This Guarantee shall be deemed valid until the submittal of a duly executed Performance Bond.

Signed _____ ***Bank (Surety)***

ELECTRICITY DISTRIBUTION COMPANY.

Form of Performance Bond

Tender No. (93/2022)

Dear Sirs,

At the request of _____ bank (the Foreign Bank)
and on behalf of M/S _____
(Contractor's Name and Address), we _____ Bank (the
Local Bank) issue in your favor our irrevocable and unconditional Performance
Bond No. _____ in the amount of _____
_____(In _____ words), in this connection we
_____ Bank (the Local Bank) hereby consider
ourselves responsible forth unconditional payment to you or to your authorized
representatives of the above sum on your first written demand in whole or in
part notwithstanding any objections on the part of the above named contractor
and without any need for natural warning or judicial proceedings.

This Bond will expire on _____ and shall be renewed automatically for
a period of _____ months and for consecutive similar periods until it is
returned by you to us.

Signed _____ Bank (Surety)

ELECTRICITY DISTRIBUTION COMPANY.

Form of Maintenance Bond

Tender No. (93/2022)

M/S. ELECTRICITY DISTRIBUTION CO. (EDCO)

Amman – Jordan

At the request of _____ Bank (the foreign bank) and on behalf of M/S : _____ (The Contractor name and address), we _____ Bank (the local bank) issue in your favor our irrevocable and unconditional maintenance bond No.(_____) in the amount of _____ (In words) valid until _____ covering _____ PCT value of the _____ (Contract No. Name), in this connection we the _____ Bank (local bank), hereby consider ourselves responsible for the unconditional payment to you or your authorized representatives of the above sum on your first written demand in whole or in part notwithstanding any objections on the part of the above named Contractor and without any need for notarial warning or judicial proceedings.

This bond will expire on _____and shall be renewed automatically for a period of (_____) months and for consecutive similar periods until it is returned by you to us.

Signed _____ Bank (Surety)

Backup Software Specifications

Main Classification	Main Function requirement	Detailed Requirement
Benchmarking	Worldwide Benchmark	The solution brand must be leader position in related Garter Magic Quadrant last 3 years reports preferable for two years of them.
UNIFIED DATA MANAGEMENT	The Solution should allow the implementation of a data-centric strategy to manage information across the enterprise.	Feature rich Backup & Recovery using both application aware agents as well as virtual server agents
		For solutions with 3-tier architecture Ability to write to a vendor agnostic virtual repository; namely disk library, tape
		Extensible Content Indexing and Search capabilities License for indexing and searching must be included
		Search
		Storage Resource Management
		Media Tracking and Reporting System
		Active/Active License for the backup software, to allow backup/restore from DR site in case of Main Site backup solution failure
OPERATING SYSTEMS SUPPORT		Windows, Linux, Suse Linux, Fedora,(OPEN VMS)
BACKUP And RECOVERY	The Solution should support hot-backup and recovery of applications / databases both in streaming mode with application awareness and consistency including:	Databases - Microsoft SQL, SAP Hana, Oracle, MySQL
		Collaboration - MS SharePoint, Office365
		Directory Services - MS Active Directory with single object level restore
		Hypervisors – VMware ESX 5.5, Hyper-V 2012 and successors

	The Solution should provide application backup (full and incremental) and restore for:	Should support Full, Incremental, Differential backups for all agents
		Should support SAN based backup in read and write operations
		Error handling and automatic re-initiation of failed backup jobs
		Backup copy to external USB Hard Disk Drive (Preferable)
		MS Active Directory
		Microsoft SharePoint 2013 and above
		Microsoft SQL 2014 and above
		MySQL
		Oracle
		SAP MaxDB
		SAP HANA
		SAP Archive Link
		Sybase
		Active Directory Object-level restore
	The Solution should be able to take instant online backups of databases	
	Backup Software must provide event-based backup capability to automate application protection driven by monitored events	
VM PROTECTION	The Solution should be optimized to provide advanced protection of virtual environments including VMware and Hyper-V. Features should include:	Agentless Integration with vSphere
		Image, Volume or File level backup with full file / directory level recovery
		Incremental delta block-level backup with file/directory level recovery
		Auto discovery of new VMs
		Synthetic full backups of VMs
		Incremental forever backup, and the restore time from incremental should be same like as if restoring from full
		Azure to VMware
		VMware to Azure

	VM live mount directly from Backup Storage during recovery	Web-based GUI, instant access, unlimited number of VMs/DBs
	The solution must allow the ability to do single file restore	Web-based GUI, and command line interface
ADMINISTRATION	The console should support:	
		Storage Growth
		Job Summary
	Console shall be operated within Linux Based OS	Job Schedule
	Native standard reporting templates that are built in and not limited to the following reports:	Resource Utilization
		License Utilization
		Backup Readiness
		Audit Trail
		Media Tracking
		HTML
		Text-based
		PDF
	Support the following report formats:	Email (O365)
		SNMP
	Cloud Integration	Should be able to archive to cloud based storage
Generic Features	The solution should be able to cloud-like agility, resiliency and availability to on-premises data and applications	
	The solution should be supplied as one delivered solution including hardware, software, and integration	
	The solution is preferable to have the same brand with software	
	The solution should have single interface management console for all components related to backup	
	The solution should be highly available, balanced and perform efficiently	

	The solution must support replication to standalone hardware residing in different site.	
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Backup Server Specifications (For Traditional Solution)

Main Classification	Main Function requirement	Detailed Requirement
Backup Server	QTY Of Server	Minimum 2
	CPU Sockets	Support Up to Two Socket
	CPU	Minimum 1xIntel Xeon GOLD CPU with Minimum 16 Cores and 2.9GHz
	Memory	Minimum 64 GB, 3200MT/s, Dual Rank, Support 24 DDR4 RDIMM Slots
	Capacity Drives	Supports Up to 8 x 2.5 (SAS/SATA) (HDD/SSD)2 x 480GB SSD RAID controller with 2GB cache Support RAID 0/1 /5 /6 2 x 10Gb SFP+2 x 1Gb Base-T2 x 16Gb FC HBA (Required Capacity shall be fulfilled)

	Ports / Slots	Minimum 4xUSB, Minimum 3 PCIe Gen 3 and support up to 8 PCIe Gen 3
	Power Supply & Fan per server	Redundant Hot-Pluggable Power supply. Hot-plug redundant fans. Enough cooling dissipation designed to enable working continuously (24 /7) without overheating.
	Embedded Management Port	Management Port with Minimum Speed 1Gb
	Form Factor	Rack mounted with and all accessories needed to install servers in the cabinet
	Drive bays	DVD+RW
	Cabling	All Required cables and transceivers for this project should be provided.
	Support OS	Windows Server 2016, Windows Server 2019, VMWARE vSphere, SUSE Linux, ORACLE KVM, ORACLE VM and Red Hat Enterprise Linux, Oracle Linux, SUSE SLES Linux, (OpenVMS)
	Warranty and support	3- and 5-Years warranty (24x7 support official from the vendor), local support shall be quoted separately. Warranty shall consider for spare parts, Labor and replacement on Site for main and DR (Aqaba)

Backup Appliance Specifications

Main Classification	Main Function requirement	Detailed Requirement
Backup Appliance Specifications for Main Site	QTY Of Backup Appliance	1
	Architecture	<p>Appliance should be designed for Backup purposes; general usage storage Arrays are not accepted. (This is for Traditional 3-Tier architecture)</p> <p>OR</p> <p>Modern backup HCI solution as integrated end-to-end backup platform without the need for 3-tier architecture (i.e., the backup software is a feature and service within the backup appliance itself, not separate servers, and separate storages)</p>
	Connectivity	Should work over LAN, and optionally FC network for connection with tape library priced separately
	Deduplication	Deduplication and compression support on the entire system on all domains Globally, percentages shall be specified.
	Capacity	Minimum of 50 TB usable capacity (Raid 6 or equivalent) before deduplication
	Host Interface	<p>Min. 2x 16Gb/s (optionally for the tape library connection) and Min. 4 x 10GB SFP+</p> <p>Backup system must support Ethernet failover, Ethernet aggregation and VLAN tagging</p>
	Management	Backup system must include Web/Browser based Management GUI

	Max. capacity	The system should scale up to a minimum of 100TB of usable capacity, without changing backup appliance head/controller or without need to change model (i.e., scale-outs, scaleup, no forklift upgrade) considering all related components. Clear quote for scall-up as mentioned above shall be represented separately for the MAX capacity with all related components.
	Max network NIC Throughput	25TB+/hr
	RAID Support	RAID 6 or Erasure Coding 2:1
	Encryption	Encryption License to be provided for rested and replicated data
	Data Integrity	The Backup Appliance should have the ability to perform self-healing mechanisms automatically to avoid any data inconsistencies
	Bandwidth Requirement	Solution should have minimal BW on the network/LAN (License to be provided if applicable)
	Replication	Replication license to be provided. Backup system must support secure encrypted replication between appliances (Main and DR)
	Retention Lock	A software that prevents files from being modified or deleted for a user-defined retention period
	Warranty	3 and 5 Years warranty (24x7 support official from the vendor) , local support shall be quoted separately. Warranty shall consider for spare parts, Labor and replacement on Site for main and DR (Aqaba)
	Efficiency	Source Side deduplication must be supported
	Security	Must support backup datalock and WORM
	Security	Must support RBAC (Role based access control)

	Security	Must support protection against ransomware and data anomaly detection (bidder shall clarify in details all supported and provided features for security)
Backup Appliance Specifications for DR Site	QTY Of Backup Appliance	1
	Architecture	Appliance should be designed for Backup purposes; general usage storage Arrays are not accepted. (This is for Traditional architecture) OR Modern backup solution as integrated end-to-end backup platform (i.e. the backup software is a feature and service within the backup appliance itself, not separate servers and separate storages)
	Connectivity	Should work over LAN, and optionally FC network for connection with tape library option
	Deduplication	Deduplication and compression support on the entire system on all domains Globally
	Capacity	Minimum of 50TB usable capacity before deduplication
	Host Interface	Min. 2x 16Gb/s (optionally for the tape library connection) and Min. 4 x10GB SFP+ Backup system must support Ethernet failover, Ethernet aggregation and VLAN tagging
	Management	Backup system must include Web/Browser based Management GUI
	Max. capacity	The system should scale up to a minimum of 100TB of usable capacity, without changing backup appliance head/controller or without need to change model (i.e. scale-out, scaleup, no forklift upgrade) considering all related components

	Max network NIC Throughput	25TB+/hr
	RAID Support	RAID 6 or Erasure Coding 2:1
	Encryption	Encryption License to be provided for rested and replicated data
	Data Integrity	The Backup Appliance should have the ability to perform self-healing mechanisms automatically to avoid any data inconsistencies
	Bandwidth Requirement	Solution should have minimal BW on the network/LAN (License to be provided if available)
	Replication	Replication license to be provided Backup system must support secure encrypted replication between appliances
	Retention Lock	A software that prevents files from being modified or deleted for a user-defined retention period
	Warranty	3 and 5 Years warranty (24x7 support official from the vendor) , local support shall be quoted separately. Warranty shall consider for spare parts, Labor and replacement on Site for main and DR (Aqaba)
	Efficiency	Source Side deduplication must be supported
	Security	Must support backup datalock and WORM
	Security	Must support RBAC (Role based access control)
	Security	Must support protection against ransomware and data anomaly detection (bidder shall clarify in details all supported and provided features for security)

Backup Tape Library specifications

Main Classification	Main Function requirement	Detailed Requirement
Backup Tape Library	QTY of Tape Library	1
	Active Tape Slots	Min 40
	Form Factor	Rack Mounted with all accessories needed to be installed in cabinet
	Number of Tape Drives	2xLTO8 Expandable to 20
	Drive Controllers	Fiber channel FC 8gb
	Management interface	Ethernet
	Device Management	Should be supported through web browsing & operator control panel
	Bar Code Reader	Standard
	Media	20xLTO8 Media with Barcode 1xcleaning Cartridge
	Power Supplies	2xPower Supply Redundant
	Device Driver	Compatible with Unix, Windows, Linux
	warranty	3 and 5 Years warranty (24x7 support official from the vendor) , local support shall be quoted separately. Warranty shall consider for spare parts, Labor and replacement on Site.

End point backup

End point backup	<p>-The bidder must provide an endpoint backup solution for workstations, Laptops & Desktops from the same vendor.</p> <p>-This solution must cover 70 endpoint devices and should be scalable to support 1000 of devices</p> <p>-This solution must be quoted separately, and it is up to EDCO to decide whether to purchase it from day 1 or later on.</p>
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General requirements

- The bidder has the right to bid for traditional solution or appliance
- The participated bidder has the right to have a site visit before submitting his offer.
- The proposed solution must simplify installation and integration.
- The proposed solution must eliminate complex administration processes and tasks, automate deployment of patches and upgrades, and reduce support requests.
- The solution should consider all license for main and DR sites.
- All required license to operate the solution for main and DR shall be clearly mentioned any hidden cost could disqualify your offer.
- Bidder shall clarify if the dedupe license independent of hardware so in case of HW replacement require new software cost, it shall be quoted separately.
- The appliance must support AES encryption algorithm during data transfer (on the wire) and for data at rest ,so any additional licenses shall be quoted separately.
- All required SFP + transceivers , cabling, installing and commissioning shall be included in your proposal.
- Bidder shall be responsible to configure the backup solution for all EDCO existing systems, VM, Application and/or databases.
- Any system (Application/VM/Physical/Database ,etc..) exist within the timeframe of the project will be part of the deliverables, also bidder will be responsible to configure the backup solution for any new system within the timeframe of warranty and support as a part of support services.
- The bidder should provide offer for 3 and 5 years product warranty support from Vendor and from local company including any software upgrades for all provided solution components.
- During the warranty period, the Contractor shall provide all required spare parts on site and labor free of charge.
- During the warranty period, the Contractor shall do the preventive Maintenance as recommended from manufacturers taking into consideration the purchaser environments at least every three months.
- The warranty period cover support on site.
- EDCO shall promptly notify the Contractor in writing or by a Call or by email of any claims arising under this Warranty and support . Upon receipt of such notice, the Contractor shall with all reasonable speed repair or replace the defective goods or parts thereof without any cost to EDCO.
- 3 and 5 Years warranty (24x7 support official from the vendor) parts and Labor on Site , local support shall be quoted separately.

- Delivery Period shall be within 12-18 weeks for all deliverables, exclusive certified onsite training.
- Implementation and Commissioning within 2 months for all deliverables, exclusive certified onsite training.
- All New proposed product appliances or software shall be released within the year of 2020 or afterwards and valid for support by vendor up to 2028 Or (end of 2027-Last Quarter).
- Bidder shall deliver all the hardware, software, licenses and professional services for all the proposed solution components within the declared timeframe (3 Yr & 5Yr) which shall guarantee that the implementation of the proposed solution are guaranteed without any additional component(s) (hardware, software, licenses and professional services).
- Bidder shall apply quarterly health check for the proposed solution components.
- Any additional fees to guarantee the smooth and well-defined implementation even from the bidder side or any third party will be the responsibilities of the bidder and on his own account.
- Trade-In option will be considered.

Vendor and Bidder Qualification:

- Multi-vendor products are acceptable from single partner, to approach single point of contact.
- Company shall be workable within the same field inside Jordan for the past two years.
- The bidder must be an authorized partner mainly for backup solution of the mother company he represents (Resellers is not acceptable), original authorization letter from the Mother Company must be provided
- Bidders are required to provide a list of employee's C.V's who are candidate to install and configure all devices, the candidate must be certified by the provided vendor. Minimum two Certified Engineers for the whole solution components or partially.

- Bidders must ensure that the equipment that they are proposing will be new, factory equipped, and that no item is refurbished or used. EDCO requests an official letter from the vendor that all supplied items with their serial numbers are specially sold to (EDCO).
- The Bidders shall represent a Similar or higher projects that they installed/configured
- The Bidder shall clarify the type of the licenses (Perpetual or subscription), and in case If the licenses has expired whether for three or 5 years, does the system remain operational? please mention the jobs that remain operational in detail and for how long.

Existing environment

Sites	
sites where data needs to be protected	2
the site names	main site Amman -DR in Aqaba
Virtual Environment	
Hypervisor 1	VMware -main site
No. of Hosts	0
No. of Guest VMs	19
Total size of VMs (TB)	3TB
Hypervisor 2	MS Hyper-V
No. of Hosts	0
No. of VMs	55
Total size of VMs (TB)	30 TB
Physical Environment	
Physical servers need to be protected	6 physicals

data size in TB for these physical servers (Local disks and SAN volumes)	3TB LOCAL DISK for 6 SERVER	
HANA servers need to be protected	4 servers	
data size in TB for these Hana servers	1 TB local disk for the 4 servers	
NAS devices		
File servers connect to shared storage NAS technology (block level), with total capacity 20 TB, need to protect 2 TB.		
Backup Policy & Retention		
The backup policy (schedule and <u>retention period on disk</u>) for the VMs and physical servers/NAS	schedule	retention
	daily	week
	weekly	Expire after copy to the tape
	monthly	Expire after copy to the tape
Backup Replication		
need all backup copies to be replicated to another site		
Applications and DBs - What is the number/type of applications to be protected		
Application Name	Qty.	
Active Directory	4	
Exchange	0	
SQL DB	8	
Oracle DB	0	
Cassandra	0	
SharePoint	7	
Windows File Server	1	
Oracle App	0	

<i>SAP HANA DB (shared storge (in main site</i>	<i>6 DBs with 4 TB SIZE</i>
<i>SAP HANA server and DB (shared storge (in DR site)</i>	<i>2 servers with 2 DBs with size 3TB</i>
Office 365	
required backup of O365 accounts	
Number of O365 users	<i>554</i>
the size of the O365 Data including O365 SharePoint data	<i>2 TB</i>
Cloud Workloads	
cloud workload	<i>office 365</i>
the cloud vendor	<i>Azure</i>
Existing applications/OS	
.Net Application. MS Hypervisor. Citrix. VMware. MS-SQL. SAP HANA SUSE SLES. Desktop win 8 and win 10. Open VMS Smart meter (OS: SUSE Linux) Oracle v11	
Existing Backup Solution	
The available port on main site on SAN switch: (12 on switch 1 , 8 on switch 2) but without the following : (licenses + SFP) The current activation port and license (3 port on switch 1, 2 port on switch 2)	

The available port on DR site: San switch FC Switch 6505,24P,16Gb SFP, EB, AC,1xPSU	
Backup appliance	NetBackup 5240 Veritas SN: (VTAS0004850)
Tape Library in the main site	Quantum Scalar i80 LTO6

Training:

- Handover training for the delivered solution.
- Onsite training other than hands on training for EDCO should be provided after the implementation, this training should cover all the offered Solution components not less than 5 days.

Training shall fulfil the following requirements:

- Official training (certificate is not required) minimum for 3 candidates
 - Training syllabus shall be based on vendor certified training track.
 - Soft copy for materials is acceptable (one PDF copy for each track).
 - Onsite training /training center which shall be conducted by certified trainer.
 - Training shall cover the advance track, also recap for intermediate track.
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