

REQUEST FOR PROPOSAL (RFP)

RFP Ref: DACO-RFP-4019-2024

Design and Construction of New Greenhouses v2.4



Date: 24 July 2024

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1. Dammam Airport Company (DACO) Background

Dammam Airports Company (DACO) was established on the 1st of July 2017 to develop the infrastructure, and operate, upgrade and maintain airfield facilities at King Fahd International Airport (DMM), Al Ahsa Airport (HOF) and Al Qaisumah Airport (AQI).

King Fahd International Airport (KFIA) (IATA: DMM) is the international airport serving Dammam, Saudi Arabia. The airport is located 31 kilometers (19 miles) northwest of downtown Dammam. The airport serves the entire Eastern Province of Saudi Arabia and is one of the three primary international airports in the kingdom. King Fahd International is also the largest airport in the world by area, with the area of the airport property being an approximate 776 square kilometers. The airport elevation is 72 ft. (22 m) above mean sea level.

The King Fahd International Airport has four greenhouses with an approximate total land area of 12,000 Square Meters that were constructed nearly 30 years ago. Due to the length of service, the greenhouses are deteriorated and most of the equipment is not working. To address this issue, DACO is issuing this Request for Proposals (RFP) to all specialized vendors to provide design and construction services for New Greenhouses.



Enlarged location below indicating the exact locations of the three (3) existing Green Houses and Head House.



2. Project Objectives

Dammam Airports Company (DACO) require outsourcing a contract for “Design and Construction of New Greenhouses” (Hereafter referred to as “**Project**”). The Bidder awarded the contract for this Project (Hereafter referred to as “**Contractor**”), to independently assess the current site condition from Engineering perspective, and provide Engineering Design and Construction for Three (3) New greenhouses (having an area of 2000 Sqm each) fit for purpose which shall include, but not limited to, Design, supply, delivery, construction, installation, testing, and commissioning as per the project description mentioned in the following section. The project premises shall be at the KFIA Nursery area. This Request for Proposal (RFP) provides specifications and requirements for bidders to complete a proposal until cost for completion and ensure design shall be fit for purpose. Due diligence shall be done by the bidder to ensure that the greenhouse has a minimum design life of 30 years.

3. Project Description

The Project and work to be performed under this RFP include, without limitation, providing preliminary engineering and final design documents necessary for the construction and installation of the greenhouse. The scope of work outlined is provided as a general guide and is not intended to be a comprehensive list of all work necessary to complete the Project. Proposers may suggest a modified scope of work as a part of their Proposal. The bidder is expected to deliver 3 greenhouses and associated facilities as per the proposed design, once approved by DACO.

- 3.1 The Contractor shall submit proposals for all the requirement specified in the scope of work section.
- 3.2 DACO intends to select one (1) Company to provide design and construction of the full scope of work specified in this RFP.
- 3.3 The design proposal shall have sufficient details, drawings, program of design and construction of all elements specified in this RFP and the design shall be approved by licensed Civil Defense consultant.

4. Instruction to Bidders

4.1 Introduction

Dammam Airports Company (DACO) is issuing the Request for Proposal (RFP) that will be provided to the vendors who are being pre-qualified based on the information provided. DACO reserve the right, in their absolute discretion, at any stage and without notice, to terminate further participation in the process by any party, to change the structure, requirements and timing of the RFP process, to refuse entry of a particular party to the next stage of the process, to amend the information contained in this document or to terminate the RFP process itself. DACO and their advisors will not have any responsibility or liability for any costs, expenses or other liabilities incurred by any applicants or any other persons relating to this RFP process.

The Bidders are invited to submit a Technical and Financial Proposal to DACO, which will form the basis for assessment, selection, and contract negotiations, and ultimately for a signed contract with the selected Bidder. DACO will select the Bidder in accordance with the evaluation criteria. DACO reserves the right to negotiate with the selected Bidder if the price exceeds available funds. DACO is not bound to accept any of the proposals submitted.

DACO policy requires that the Bidders provide professional and impartial services and always hold DACO interest's paramount, without any consideration for future work, and strictly avoid conflicts with other assignments or their own corporate interests. Bidders shall not be hired for any assignment that would conflict with their prior or current obligations to other clients, or that may place them in a position of not being able to carry out the assignment in the best interest of DACO.

All proposal preparation costs, and any associated activities related to this RFP are the sole responsibility of the Bidder. DACO is not liable for any costs incurred throughout the entire selection process.

Contract will be awarded to the Tenderer who complies with the requirements of these Instructions to Tenderers and whose tender conforms to the essential requirements of the tender documents and is the most advantageous in terms of



the succeeding evaluation criteria.

Information provided herein is intended solely to assist Bidders in the preparation of their Proposals. To the best of DACO knowledge, the information provided is accurate. However, DACO does not warrant such accuracy, and any errors or omissions subsequently determined will not be construed as a basis for invalidating this RFP.

4.2 Confidentiality/non-disclosure Agreement

This RFP document is specifically provided for the purpose of tendering. The information contained in this document is confidential and the exclusive property of DACO. Reproduction or transmission of the contents or making them accessible to third parties without express written permission by DACO is prohibited. This RFP is bound by the confidentiality/non-disclosure agreement provided in the annex of this RFP, which is to be signed and returned to DACO. No additional information or clarifications will be provided to the Bidders by DACO until receipt of a signed non-disclosure agreement.

Bidder shall immediately delete all electronic copies and destroy any hard copies of all documents enclosed herewith, if the concerned Bidder:

- Chooses not to submit a proposal
- The Bidder is notified by DACO that another Bidder has been accepted
- The validity of the bid expires without being accepted

The Bidder is obliged to send an email by an authorized person confirming that the documents have been destroyed / deleted.

All information of this document and/or subsequent communication is to be considered confidential and to be safeguarded in bidder premises. All bidders are bound by confidentiality rules stipulated by the laws of the Kingdom of Saudi Arabia, including applicable penalties when breached. DACO is similarly bound by the rules of confidentiality stipulated by the laws of the Kingdom of Saudi Arabia. All the bidders must sign the NDA provided with this RFP (if not signed during pre-qualification).

4.3 Confirmation of Intention to Bid

Within **five (5) business days** of receipt of this Request for Proposals, bidder should respond by return email to DACO indicating your intention to bid on this RFP and submit contact person's details with Company Address / Information Summary. Bidder to submit the Supplier Code of Conduct and NDA immediately (if not provided).

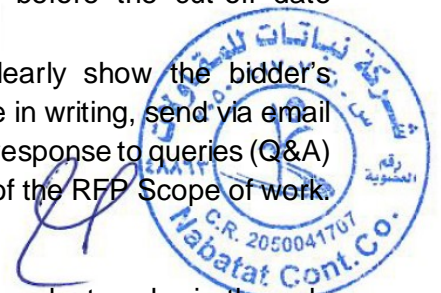
4.4 Pre-Bid Clarification

Bidders are advised to examine and thoroughly acquaint themselves with the contents of the RFP and to take all further steps necessary to ascertain for themselves, entirely at their own expenses. If any pre-bid clarification questions relating to the request for proposal shall comply with the following process:

- 4.4.1 Requests for clarification following the release of the Request for Proposals documentation shall be submitted before the cut-off date specified in RFP E-mail.
- 4.4.2 All bidders' requests for clarification shall clearly show the bidder's company name and the RFP reference, must be in writing, send via email using Q&A Excel Form provided with RFP. The response to queries (Q&A) will be distributed to all bidders and will be part of the RFP Scope of work.

4.5 Award of Opportunity / Rights of DACO

DACO reserves the right to award this opportunity to respondents, who in the sole opinion of DACO, are deemed to have offered the best overall proposal. In addition,



DACO may at its sole discretion, cancel this RFP, reject any and all Proposals, waive any and all non-compliance and ask for best and final offers, if it is deemed in the best interest of DACO to do so. DACO reserves the right to reject any or all proposals or to cancel this RFP in its entirety or to split. Without limiting the generality of any other provision of this RFP, DACO reserves the right, at any time prior to start of an agreement with the Bidder, to exercise all or any of the following rights and options in DACO's sole discretion it deems to be in its best interest:

- 4.5.1 To postpone the submittal due date.
- 4.5.2 After submission of proposals. DACO may request additional information (written or otherwise) from any or all Bidders.
- 4.5.3 One or more Bidders may be requested and allowed to make oral presentations supporting their proposal. However, DACO may select based solely on the information contained in the written proposals. Therefore, Bidders are advised to submit thorough, complete proposals.
- 4.5.4 To accept or reject, at any time prior to its execution of an agreement, any or all proposals or any part thereof submitted in connection with this RFP.
- 4.5.5 To waive any informality, defect or derivation from this RFP that is not, in DACO's sole judgment, material to the proposal.
- 4.5.6 To negotiate out unacceptable provisions incorporated within an otherwise acceptable proposal submitted in response to this RFP.
- 4.5.7 To issue a subsequent RFP for this Service with terms and conditions that are substantially different from the terms and conditions set forth in this RFP.
- 4.5.8 To cancel this RFP with or without issuing another RFP.
- 4.5.9 To supplement, amend, substitute, or otherwise modify this RFP at any time prior to execution of a final Agreement with a Bidder.
- 4.5.10 To reject the proposal of a Bidder that, in DACO's sole judgment is not a responsible Bidder.
- 4.5.11 To request clarifications of any unclear proposal.
- 4.5.12 To negotiate simultaneously, or otherwise, with one or more Bidders.
- 4.5.13 To discontinue and resume negotiations with one or more Bidders.
- 4.5.14 To not enter into an agreement pursuant to this RFP.
- 4.5.15 Overall, DACO shall not be bound to accept the highest or lowest priced proposal or any proposal of any Bidder.
- 4.5.16 DACO shall select the appropriate proposal; DACO shall not enter any correspondence with any party regarding the reason for rejecting any or not accepting the proposal of any Bidder.

4.6 RFP Changes / Addendum

At any time before the submission of final proposals, DACO may, for any reason, whether at its own initiative or in response to a clarification requested by an invited Bidder, amend the RFP. Any amendment shall be issued in writing and shall be sent to all invited Bidders and will be binding on both DACO and the Bidders. DACO may at its discretion extend the deadline for the submission of proposals. Non-RFP compliant terms and conditions in the bidding proposal will disqualify the bid automatically.

4.7 RFP Activities Timeline



Please follow the RFP Email and Tender Timeline.

4.8 Currency & Validity

Proposal shall be submitted in Saudi Riyals. All information provided in the proposal, including cost information, should be valid for **at least 90 days** from the last date of submission. No escalation of cost is accepted.

4.9 VAT / WHT

Proposals shall specify VAT or WHT explicitly, appropriate taxes will be applicable as per registration of the vendors firm, and as per the governing laws of KSA. Firm registered outside KSA- WHT will be applicable, and Firm registered in KSA with CR or Permanent establishment (if register outside KSA)- VAT is applicable.

4.10 Penalty

In case of any delay on the part of the Contractor in executing the agreed Services for the fault which is not due to DACO or any third party, it shall be decided before signing of any agreement.

The contractor shall be liable to penalty for 100% of the value of loss occurred to DACO due to any error or failure caused due to negligence during construction. The penalty cap shall be maximum 10% of the contract value of the consultant.

4.11 Compliance with the laws

The Contractor shall comply with the provisions of the Saudi Laws and all other laws, orders, decisions, rules, and regulations in force and shall specify this in its contracts approved by DACO with any assignee. DACO will have the right to deduct any taxes such as withholding, VAT or any taxes applying or to apply in the Kingdom of Saudi Arabia within the period of this contact. Contractor shall take the action/ procedure to comply with Saudi Laws.

4.12 Bidding Process

4.12.1 Bid submission

Submit your proposals Technical and Commercial Proposal (with Hard copy and soft format in USB flash drive separately – including pdf & Excel for commercial) in sealed envelopes “separately” to Bid box located in Supply Chain department at DACO or Send by courier service to the address below, receive on or before the bid closing date specified in the RFP E-mail.

The Bidders shall submit proposals in sealed envelopes clearly marked in bold letters as follows:

TECHNICAL PROPOSAL	COMMERCIAL PROPOSAL
RFP Title: Design and Construction of New Greenhouses	RFP Title: Design and Construction of New Greenhouses
RFP Ref: <u>DACO-RFP-4019-2024</u>	RFP Ref: <u>DACO-RFP-4019-2024</u>
COMPANY NAME:	COMPANY NAME:
CONTACT PERSON NAME & PHONE NUMBER:	CONTACT PERSON NAME & PHONE NUMBER:

The bids shall address to:
The Manager,
Contract & Procurement Department
Dammam Airports Company
P.O. Box 3477, Dammam 31471,
Kingdom of Saudi Arabia.



Submission of a Proposal shall be deemed to indicate that the Bidders have reviewed the RFP thoroughly and have undertaken to accept and comply with all the obligations, liabilities, responsibilities, and risks outlined in this RFP. Bidder must submit signed & stamped this RFP and any pre-bid (Q&A's) provided for this RFP in as part of Technical Proposal.

Technical Proposal:

Bidders should describe how their proposed activities and solutions meet, or support, each of the requirements stated in this RFP. Where Bidders cannot meet a stated requirement or an alternative solution is proposed, these should be clearly highlighted in the Bidder's response. Bidders have option to propose alternative solutions/proposals that meet the underlying requirements separately (Technical and Commercial) alongside their primary proposal addressing the specific requirements outlines herein.

Technical Evaluation:

The technical proposals will be selected based on the competency, capacity, completeness, comprehensiveness, and technical structure of the company. The most advantageous Tender will be determined by a combined Technical and Commercial score and an overall assessment of the Tenderer's capability to undertake the contract. The technical proposals shall be evaluated based on the evaluation criteria described in Section 13 of this RFP.

Financial Proposal (Pricing sheet attached)

The Financial Proposal must provide the total price quotation for performing the requested Scope of Work. The price shall be all-inclusive of all fees, expenses, overhead cost, mobilization & De-mobilization and provided in Saudi Riyals (SAR) in provided pricing sheet attached.

Notes:

- Technical Proposal shall submit, following the Technical Evaluation criteria as in this RFP.
- Commercial Proposal shall be submitted in provided pricing sheet format & BOQ duly signed by Company authorized person and stamped (without modification or adding any terms and condition or notes).

4.12.1.1. Conditions of proposal submission

- Proposals must be submitted in the English language.
- DACO is under no obligation to accept or consider proposals received after the due date. Additionally, DACO reserves the right to cancel the project, at any time, with no obligation to those Bidders that have submitted bid response for this RFP.
- All proposals and accompanying documentation will become the property of DACO and will not be returned. No response may be modified or withdrawn after the deadline for submission of bid response, without prior consent from DACO.
- The successful Bidder must undertake not to make any reference of DACO in any literature, promotional material, brochure, or sales promotion without prior consent of DACO.
- DACO is under no obligation to give reasons either for accepting or rejecting any proposal or to proceed with the project or engage in negotiations.

- DACO is under no obligation to pay Bidder for information received. This request does not commit DACO to pay for any expenses incurred by the Bidder relating to preparation or submission of the bid response.
- DACO reserves the right to select/reject any or all proposals, in part or whole.
- DACO has the undisputed right to accept all or parts of the recommended solution(s) for the purpose of this RFP. This entails the possibility of selecting one or more bidders to fulfil the overall or parts of the RFP requirements.
- Each Bidder certifies, by the submission of a proposal, that no agreement has been made to pay any company or person any fee, commission, percentage, or brokerage fee contingent upon or resulting from the award of the contract.
- Bidders are not permitted to subcontract any part of the project without DACO's prior written agreement.
- The laws and regulations of Saudi Arabia shall apply to awarded bidders.

4.12.2 Clarification questions on bid response

During the internal evaluation period of the RFP responses, DACO may wish to seek clarification on any point included by the Bidder in their response. To facilitate this process, the Bidder is requested to provide details of Bidder's principal contact person in the RFP. The named individual should be available for calls with DACO's representatives during the evaluation period.

4.12.3 Return of RFP

Bidder shall immediately delete all electronic copies and destroy any hard copies of all documents enclosed herewith, if the concerned Bidder:

- Chooses not to submit a proposal
- The Bidder is notified by DACO that another Bidder has been accepted
- The validity of the bid expires without being accepted

The Bidder is obliged to send an email by an authorized person confirming that the documents have been destroyed / deleted.

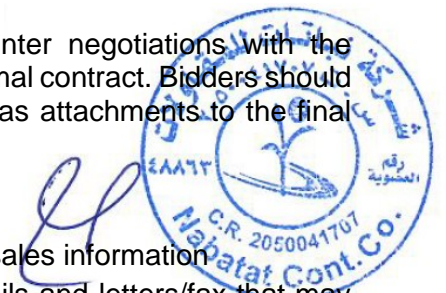
4.12.4 Evaluation of the Proposals

Bidders may be asked to deliver a presentation at a designated date and time at DACO Head Office in Dammam. After submission of the final proposal, and during the selection process, DACO will consider the following criteria, listed by order of importance, to select a Bidder.

4.12.5 Contract Negotiation

On completion of the selection process, DACO will enter negotiations with the selected Bidder, or pre-selected Bidders, to draw up a formal contract. Bidders should be aware that the following documents will be included as attachments to the final contract:

- Bidder's response to this RFP
- The Bidder's proposal, attachments, and related sales information
- Any other correspondence in terms of Q&A, emails and letters/fax that may be used to convey any commitment or requirement, or Scope of Work as may



be applicable.

4.12.6 *Disclosure, Ownership of Proposal Contents & Confidentiality*

All material within this RFP is proprietary and confidential to DACO and the Bidders must return the RFP upon request. No part of this RFP may be reproduced or published without written consent from DACO. Bidders who are submitting a proposal are not at liberty to discuss this RFP outside DACO.

All submitted proposals will become the sole property of DACO, will not be returned after evaluation, and will not be released outside of DACO. DACO will take reasonable precautions to avoid the disclosure of information within an RFP's response that is identified as proprietary, but only if such identification is included within the proposal. Hence, any information of a confidential proprietary nature contained in a Bidders' response should be clearly marked "PROPRIETARY" or "CONFIDENTIAL".

4.13 Selection and Evaluation Criteria

General

This contract will be awarded to the Tenderer who complies with the requirements of these Instructions to Tenderers and whose tender conforms to the essential requirements of the tender documents and is the most advantageous in terms of the succeeding evaluation criteria.

The most advantageous Tender will be determined in a two-stage process as follows:

Stage 1: The technical proposals will be selected to progress to Stage 2 based on the competency, capacity, completeness, comprehensiveness, and technical structure of the company to deliver the Service beneficial to DACO. The technical proposals shall be evaluated based the evaluation criteria described below.

Stage 2: The commercial proposal will be evaluated after the technical evaluation based on the cost factors, inclusion coverage, and completeness.

The result of the evaluation will be based on the combined score of technical and commercial proposal. All proposals will be reviewed to determine if they contain all the required submittals specified in this RFP. Those not submitting all required information in the prescribed format will be rejected.

DACO will use multiple criteria to select the most appropriate Contractor. Respondents are encouraged to be as aggressive and creative as possible in their proposals.

4.14 Dispute Resolution

If a dispute arises, it will be resolved amicably, and if a solution is not reached, the competent courts in Dammam, Saudi Arabia will be competent to resolve this dispute.

Jurisdiction & Governing Law: Kingdom of Saudi Arabia.

4.15 Local content Requirements:

All the rules and regulations should be followed and respected that are implemented by the LCGPA (Local Content & Government Procurement Authority) of Kingdom of Saudi Arabia for the local content vision, Where the Bidder should have clear

understanding of the literacy of complying to it where the provided product or service must have an added value of no less than 40% to be approved as Saudi Made, or its main components must be obtained entirely from within the Kingdom. Also having a Local content certificate is mandatory.

Please refer LCGPA Government website:

<https://lcpa.gov.sa/en/LocalContent/Pages/default.aspx>

2.2 Cybersecurity Requirements:

Proposed solution must be aligned with (but not limited to) Essential Cybersecurity Controls ECC, Data + Cybersecurity Controls DCC by Saudi National Cybersecurity Authority.

Cyber Security Department threat management Requirement

- The Solution vendor must have frequent security patches with mechanism to notify/update the consumer.
- The Solution vendor must be releasing periodical patches, hot fixes.
- The Solution vendor must have a Service Level Agreement (SLA) to respond to reported security weaknesses found in the product.
- The Solution vendor must support in case of a security incident related to the Solution occurs with necessary incident analysis to identify the root causes.
- The Solution shall depend on more than one mechanism for detecting normal activities.
- The Solution shall be capable of capturing ,tracking and analyzing network packet.

Cyber Security Department - Third-Party Cybersecurity Requirements

- Conducting a cybersecurity risk assessment to ensure the availability of risk mitigation controls before signing contracts and agreements or upon changes in related regulatory requirements.
- The cybersecurity requirements are must for contracts and agreements with third-parties (e.g., Service Level Agreement (SLA)) - which may affect, if impacted, DACO data or services.
- Non-disclosure clauses and secure removal of organization's data by third parties upon end of service must be met.
- Communication procedures in case of cybersecurity incidents.
- Third parties to comply with related DACO,NCA General Instructions, standards, procedures, laws, and regulations.
- The cybersecurity requirements for contracts and agreements with IT outsourcing.

Cyber security Department - Architecture Requirements



- The Solution shall have a privacy module that includes the regulations, standards, and laws around the platform.
- The Solution shall have a Disaster Recovery (DR) dedicated instance.
- The Solution must provide capability for backup configurations.
- The Solution must support high availability.
- The Solution shall support whole disk encryption with strong encryption algorithm.

Cyber Security Department - Privacy Requirements

- The Solution must have encryption standard, algorithm, and key lengths, for both symmetric and asymmetric encryption, compatible with the different components. Refer to IS-GI-022 Cryptography General Instructions.
- The Solution must support classification with data classification tools if applicable.
- The Solution must support the Access to system to be supported through security channels only (e.g. HTTPS, SSH etc.).
- Please refer NCA Government website: <https://www.nca.gov.sa/ecc-en.pdf>

5. Design Criteria

- 5.1 Greenhouse design and construction must comply with the requirements listed in the Saudi Building Code (SBC 2018), American Institute of Steel Construction (AISC), American Welding Society (AWS) and EN 13031-1 (Greenhouse Design and Construction Manual), NFPA codes, standards and specifications
- 5.2 All materials for the greenhouses must comply with Saudi Standards, Metrology and Quality Organization (SASO) and American Society for Testing and Materials (ASTM).
- 5.3 Greenhouse complete structural design, and drawings must be prepared and approved by certified Professional Structural Engineer in accordance with SBC 2018.
- 5.4 The Saudi Arabia extreme weather condition must take into consideration for the greenhouse design. The greenhouse must maintain the temperature of 22-27 °C and 60-80 percent relative humidity as per requirement.
- 5.5 Soil bearing capacity shall be minimum 150 kPa.
- 5.6 All Fire Protection Systems' Components or/and Equipment shall meet the SBC and NFPA standards requirements (UL Listed / FM approved).

6. Scope of Works

6.1 Contractor shall provide all design for approval by DACO and execute all construction activities necessary for the greenhouses in accordance with the requirements listed below.

6.2 Complete sets of Architectural Designs, Documents and Drawings Requirement:

- Cover page, Drawing List (Legend and Abbreviations)
- Perspective Drawings
- Site development plan (with location, key plan and orientation).
- Floor plans complete with labels, dimension and specifications.



- Roof plan with Roof Framing, Gutter, Downspout, Catch Basins & Details.
- Elevations and Sections.
- Reflected Ceiling Plan
- Enlarged and Detailed Drawings
- Furniture, Fixture and Equipment Layout
- Door and Window Schedule
- Signage design and Details (if any)
- Material or finishing Schedule with Technical Data
- Toilet, Office, Parking Area, Fence and outside facilities/utilities details.
- Fire detection & protection systems, means of egress and fire equipment.

This list is not intended to be a comprehensive list of all work necessary to complete the project; bidders are encouraged to suggest a modified list as a part of their Proposal, while adhering to the requirements mentioned below as minimum.

Complete sets of Structural Designs, Documents and Drawings Requirement:

- 1- Site layout.
- 2- Framing layout.
- 3- Foundation layout.
- 4- Connection layout.
- 5- Sections and Details layout.
- 6- Tie in/ point tapping connection layout.
- 7- Drainage layout.
- 8- Grading and paving layout.
- 9- Structural calculations report.

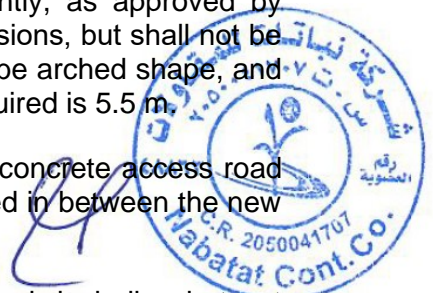
6.2.1 All the new equipment will adhere to international quality standards and be UL listed or bear CE mark or equivalent. All the systems in the greenhouses should be adhering to latest technology available.

6.2.2 Greenhouses Area. Each Green House must have a minimum area of 2000 Sqm. and shall be divided into three equal units with partitions and sliding door access to each division complete with concrete walkways.

Green House No. 1 must be constructed with Head house within the same footprint. Finished size of greenhouses may vary slightly, as approved by DACO, to accommodate manufacturer's standard dimensions, but shall not be less than the area indicated. The greenhouse roof shall be arched shape, and the center height of each greenhouse (highest point) required is 5.5 m.

For loading and unloading materials at greenhouses, a concrete access road suitable for access by refrigeration truck to be constructed in between the new greenhouses.

6.2.3 Foundation and Masonry. All concrete and masonry work including but not limited to excavation, backfilling, leveling, compaction, foundations design,



floors, grade beams, curbs, knee-walls, equipment pads, grouting and cast-in-floors place anchor bolts, etc.

- 6.2.4 Greenhouse Structure. The greenhouse structure need to be designed to meet the standards of Saudi Building Code (SBC 2018), American Institute of Steel Construction (AISC) and American Welding Society (AWS).
- 6.2.5 Greenhouse Glazing. For the roof covering, use 8mm twin wall polycarbonate. If a designer has other recommendations, such as corrugated polycarbonate or 4mm tempered glass, please provide optional pricing and reasoning for the alternative. For the side wall covering, use 8mm twin wall polycarbonate. If a designer recommends a different material, please provide option pricing and reasoning in the Proposal. For the partition walls between the units, use 8mm polycarbonate or better. All the used material should be fire rated.
- 6.2.6 Horizontal Airflow Fans. Per vendor specification.
- 6.2.7 Vertical Airflow Fans. Per vendor specification
- 6.2.8 Insect Netting. Per vendor specification
- 6.2.9 Evaporative Cooling System. Evaporative fan and pad cooling system.
- 6.2.10 Shade System and Energy Retention System. Automated shade system to control exposure to sunlight. (Horizontal and vertical)
- 6.2.11 Ventilation System. Automated exhaust fans with shutters and variable speed motors.
- 6.2.12 Heating System. Using the latest available technologies.
- 6.2.13 Fertigation System. Automated Fertigation system.
- 6.2.14 Water Storage Tank. Per design water storage capacity.
- 6.2.15 Plumbing. Plumbing for the fertigation and irrigation will need to be engineered.
- Pipe and fittings materials for irrigation water sprinkler system shall be UPVC schedule 80.
 - Irrigation water lines 12" diameter and larger are fiberglass reinforced plastic (FRP) pipes and fittings, Amaintit class H150.
 - Irrigation water lines up to 10" diameter is UPVC pipes and fittings schedule 80.
- 6.2.16 Lightings. Energy efficient lightings.
- 6.2.17 Environmental Controls system. Computer based software integrated monitoring and controls of temperature, irrigation system, shade system, energy retention system, ventilation system, heating system and fertigation system.
- 6.2.18 Aluminum Plant Bench. Per vendor specification.
- 6.2.19 Head house. An additional section of the greenhouse that serves as the "workspace" Headhouse provides an additional functional workspace for labor operation, Office space for the Supervisor control room, Quarantine space, and potting area with an automatic fertilizer ejector and automated chiller system.

- 6.2.20 Viewing room facility, Offices, walkway and asphalted access road: 15mx 20m viewing room with one side of the room having a transparent wall providing full visibility to the greenhouses with louver protection. The viewing room shall have a reception for guest/visitors with complete office facility requirement inclusive toilets for Male and Female.

A single-story concrete structure building with CMU blocks or precast concrete shall be constructed to serve as an open plan office space for 4 staff, having a total footprint of 10m x 4m including furniture and toilets. Hardscaping around the offices shall also be installed around the offices. Connection of all utilities for the offices shall be contractor's responsibility.

Standard shaded Parking shall be constructed for 6 cars with walkway.

The viewing room facility, offices and parking are excluded from 6000 sqm dedicated space for greenhouses.

- 6.2.21 CCTV Surveillance Systems. Provide design and installation of CCTV Surveillance systems covering the Project area for monitoring and security purposes.
- 6.2.22 Fire Detection and Alarm Systems. Provide design of Fire Detection and Alarm Systems to prevent and control Fire hazards and safeguard the Greenhouse. These should be conventional type, to be integrated with the existing fire system network.
- 6.2.23 Fire Protection Systems and Fire Equipment. Provide design of fire extinguishers, fire water main locations to control fire hazards at the Greenhouse.
- 6.2.24 Automatic Row seeding Machine: Supply and installation of automatic of KAPPA row seeding line by Urbinati or equivalent or higher specs (subject to DACO approval) which can reach a production up to 2400 rows/hour, with all accessories. The contractor shall be responsible for providing utility requirements for this machine such as electrical power/water etc.
- 6.2.25 Provide structural analysis for the greenhouse structure using structural analysis software.
- 6.2.26 Shop drawings: Submit shop drawings for fabrication and installation of greenhouse, including the following:

- 6.2.26.1 Greenhouse Plans, Elevation, Sections
- 6.2.26.2 Detail section of typical framing members and frame foundations.
- 6.2.26.3 Hardware, mounting height.
- 6.2.26.4 Anchorage and reinforcement
- 6.2.26.5 Glazing details.
- 6.2.26.6 Placement of all components for heating, cooling and ventilation.
- 6.2.26.7 Plumbing system.
- 6.2.26.8 Electrical power wirings, Environmental control systems wiring, lighting and all greenhouse electrical wirings.
- 6.2.26.9 Gas system
- 6.2.26.10 All designs and drawings shall be reviewed and stamped by a licensed Civil Defense consultant.

- 6.3 Demolish and discard the existing LPG gas tank and its accessories in a safe manner as per DACO's requirements.

- 6.4 All IT scope of works shall meet cybersecurity regulations. No data shall be hosted at any locations abroad, and all servers shall be physically located within KSA.



6.5 Warranty: Contractor shall provide warranty for all systems and facility for a minimum period of 2 years from the date of initial handover and a minimum period of 10 years for the steel structure from the date of initial handover (including warranty for corrosion and structural failure). The contractor shall provide replacement of spare parts and accessories during the warranty period at own cost in case of failure and provide maintenance of systems during warranty period on-call basis, with site mobilization of maintenance personnel within 24 hours of incident failure report/maintenance request by DACO.

6.6 Spare parts: The contractor shall guarantee that the spare parts shall be available in the KSA market for minimum 10 years for all systems. The contractor shall supply a min. 10% stock of the installed quantity

6.7 Training: Contractor shall provide training for operation of all the new systems to a team of maximum 10 people from DACO and its support staff. The manufacturer shall provide the Users- DACO staff, maintenance providers etc. extensive hands-on knowledge transfer training to the Authority's personnel regarding the operation and first level support of the system along with certification.

6.8 Factory Acceptance Tests: All the equipment shall undergo factory acceptance tests (FATs) mandatorily prior to delivery; however, witness of FAT by DACO shall be done remotely (via MS teams). The pricing of the FAT shall be included in the pricing of the system, mentioned in pricing sheet.

7. Deliverables and Documentation

- Level 5 schedule to be committed and submitted by contractor with clear milestones and Inspection test plan to be submitted within 30 days from "Notice to Proceed".
- During construction, the contractor shall submit daily and monthly reports to DACO/DACO representative to track the project progress with accurate figures
- All design, material and works shall be reviewed by DACO. For monthly payment verification, approved Work inspection Request (WIR), Material approval request (MIR), Commissioning approval request (CIR), Design approval etc. is mandatory based on activity completed.
- The contractor shall not proceed for any work execution/material installation etc. unless prior approval by DACO.

Upon completion of the project the Supplier must have delivered the following:

- All equipment must be (new and existing) installed and fully operational.

7.1 Technical Manuals:

The Supplier must submit four (4) full sets in hard copy of the Technical Manuals for all equipment and one (1) full set of soft copy in a format acceptable by DACO. The Technical Manuals shall be English language.

Each Technical Manual set will be accompanied by a catalogue descriptively indicating a full list of individual components of the device (Parts List) with Serial Numbering, Technical Specifications, relevant type and, the manufacturer's title.

These Manuals will also include a complete list of spare parts including consumables together with serial numbers, descriptions, exploded views (if necessary), sub-units, manufacturer, equivalent products, etc.

7.2 Operator's Manuals

The Supplier must submit four (4) full sets in hard copy of the Operator's Manual for the equipment and one (1) full set in soft copy in a format acceptable by DACO. The Operator's shall be in English language.

7.3 Training Manuals

The Supplier shall submit four (4) full sets in hard copy of the Training Manuals and one (1) full set in soft copy in a format acceptable by the Authority. The Training Manuals will include Training Methods and Courses for screening operators (Visual Inspection Checklist and Daily Functionality Test, as well as Methods and Courses for the Authority's Engineering personnel (Fault Diagnosis, Fault Resets, Shut Down and Restarting of the systems, Response Maintenance, Daily Visual



Inspection List). All actions described in the Training Manuals must be performed according to the System's User's Guide and /or Manufacturer's written instructions. The Training Manuals must also include the use of trouble shooting software tools or, any other means of specific tools and /or equipment needed.

7.4 As Built Documentation

As-built documentation including detailed description of the implemented solution and as built drawings shall be provided by the Supplier prior to and as a condition of issuing the Provisional Acceptance Certificate. Modification to current as built drawing should also be considered and submitted by the contractor.

As built documentation shall be provided in three (3) hard copies and two (2) soft copies.

8. Intended Project Duration

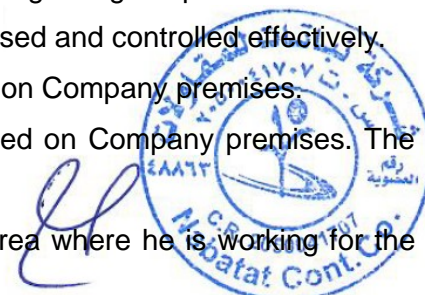
The total Design and execution duration of these Projects is Twelve (12) Months from the date of the "Notice to Proceed" given by DACO to the Contractor. Level 5 schedule to be committed and submitted by contractor with clear milestones and Inspection test plan to be submitted within 30 days from "Notice to Proceed".

Note: Contractor shall submit the project schedule with Gantt chart indicating the timeline of work activities along with concurrent relationships.

- 8.1 The Detailed Work Schedule without Fees should be broken down into weekly increments and show the start and finish dates for the various tasks identified in the Work Schedule (prepared in accordance with the Design criteria, Scope of Work)
- 8.2 Also, indicate requirements for client-supplied information/decisions that are required to maintain the proposed schedule.

9 Permits

- 9.1. The contractor is responsible to submit and receive permits for work execution. Contractor to meet regulations of Saudi Labor law.
- 9.2. The Contractor shall obtain necessary permits from DACO Airport Safety and Security Department, Traffic Police, Ministry of Transportation and Traffic management agency. Prior arrangement must be made before starting of the work. All costs relating to security and car parking shall be for the Contractor' account.
- 9.3. The Contractor shall obtain Work Permit from DACO Engineering Department.
- 9.4. Any work activities involving open flames sparks, cutting, welding or heat shall be authorized by the issue of a permit to work - obtainable from Engineering Department. Any work done under the protection of a permit to work shall be in strict compliance with every prescription regarding the permit.
- 9.5. The work to perform only if all hazards have been identified, risk assessed and controlled effectively.
- 9.6. No person shall perform an unsafe / unhygienic act or operation whilst on Company premises.
- 9.7. No unsafe/dangerous equipment or tools may be brought onto or used on Company premises. The Company reserves the right to inspect all equipment/tools at any time.
- 9.8. The Contractor shall maintain good housekeeping standards in the area where he is working for the duration of the contract



- 9.9. The Contractor is required to issue all staff with standard uniform that is to be approved by the Dammam Airports Company representative. This shall as a minimum include safety shoes, overalls (clearly marked with Contractor's company logo) and numbered reflective jackets (as per Airport requirements). All costs relating to uniforms shall be for the Contractor's account.

10. Safety Requirements

Contractor recognizes the importance of performing the Work in a safe and responsible manner so as to prevent damage, injury, harm or loss to individuals, facilities, the environment, and the Work, including materials and equipment incorporated into the Work or stored on-site or off-site. Contractor assumes responsibility for implementing and monitoring all, Health, Safety & Environment, and aviation safety precautions and programs related to the performance of the Work at all areas within the whole geographic boundaries of KFIA.

1. Contractor and Subcontractors shall comply with all legal reporting requirements relating to safety according to Contract Documents and Dammam Airports Companies/ Safety and Quality Assurance Departments (also known as DACO/ SQA)-specific Documents, or General Authority of Civil Aviation (also known as GACA) Regulations and documents. Contractor will immediately report orally, and in writing or E-Mail within 5 hours, any safety related injury, loss, damage, or accident arising from the Work to (DACO/SQA) and, to the extent mandated by legal requirements, to all government or quasigovernment authorities having jurisdiction over safety-related matters involving the Project or the Work. Contractor and its Subcontractors will immediately report to the (DACO/ SQA) all non-incidental spills, and all other significant impacts to the King Fahd International Airport, or aviation operations, or the environment (soil, water, air) or, in performance of the Work. Contractor will also immediately notify the (DACO/ SQA) of any failure to comply with (GACA) or (DACO) or government safety and environmental laws, rules, and regulations.
2. Contractor's responsibility for safety under this Article is not intended in any way to relieve Sub subcontractors of their own contractual and legal obligations and responsibilities.

(DACO/ SQA) Safety Requirements and Coordination

3. Safety and protection of Aviation and the environment are of the utmost concern on this Contract. Safety in this context refers to the health and safety of people and the protection of Aviation and the airport facilities and the environment. Nothing contained herein relieves the Contractor from complying with all applicable standards and regulations found in airport safety management systems (also known as SMS) and it's amendment's, or General Authority of Civil Aviation Regulation (also known as GACARS), or Occupational safety and health regulations mandated by Ministry of Labor and Social Development, or Ministry of Municipal Regulations for projects supervision, or any other applicable law or rules or regulation mandated by (DACO/ SQA) and governments agencies. Site specific safety requirements must be in compliance with standards in accordance with (GACARS) (SMS and SMS amendment's) and OHAS 18001 or ISO 45001 safety standard, and the applicable Saudi Building Code (SBC), and National Fire Protection Association (NFPA) codes and standards.
4. The Contractor will address the safety requirements defined herein according to (DACO/ SQA) procedures. Contractor costs associated with the implementation of the requirements will be borne by the Contractor, the contractor must account for the cost of implementing the required safety standards described herein in his proposal. Safety deficiencies discovered after the award will be remedied at no

cost to the (DACO) and may at the (DACO)'s discretion be deducted from the Contract amount.

5. Major Work Permit: Contractor shall fulfill the requirements of (DACO)'s concerned departments and obtain the approvals for his work permit. (DACO/ SQA) specific requirements are:
 - 5.1 Method statement for dismantling, removal, demolition and method statement of installation, construction.
 - 5.2 Work activity risk assessment according to method statement.
 - 5.3 Safety plan, and waste disposal plan.
 - 5.4 Materials MSDS (Material Safety Data Sheets)
 - 5.5 List of tools and equipment safely certified.
 - 5.6 Detailed safety drawing as part of safety plan
 - 5.7 Completing equipment authorization safety requirements.
 - 5.8 Training for the laborers and worker on occupational safety and toolbox safety.
 - 5.9 Passing (DACO/ SQA) contractor safety assessment.
 - 5.10 Completing work permit process.
 - 5.11 Passengers terminal and buildings construction material's fire resistance requirements:
 - 5.11.1 Materials of the partitioning walls fire rated for two hours.
 - 5.11.2 Materials of the doors fire rated for two hours.
 - 5.11.3 Materials of corridors fire rated for three hours.
 - 5.11.4 Emergency exit materials fire rated for three hours.
 - 5.11.5 Laminated safety, fire-rated glass.
 - 5.11.6 Furniture should be of non-combustible materials and does not emit toxic fume, with a fire resistance rating of an hour and half.
 - 5.11.7 Adapting public furniture safety code & statutory Instrument such as EN 15372 and ANSI/BIFMA X:5.5 or equivalent.
 - 5.11.8 Engineering revision to include ergonomics and human factor aspects at designing phase and during documents submission phase.
 - 5.11.9 Engineering review and approval for fire protection systems design and drawing or alteration/modification and change, by Civil Defense licensed fire protection engineering firm is required to ensure standard compliance, protect passengers and facilities.
 - 5.11.10 Banning and forbidding common incompetent fabricators from installing their low-quality products.
6. The Contractor shall employ/assign a safety specialist/specialists or safety engineer/engineers (also known as Safety Officer or SO), approved by (DACO/ SQA), present on the Project at all times when Work is physically being performed. The SO may have other minor duties, but the position's primary role is to oversee safety of the worksite and Work being performed by the Contractor, as well as that of its Subcontractors. If shift work will be utilized, the Contractor must have a SO for each shift. In the case of shift work, the Contractor will designate one SO as the lead for the project. The training requirements for the second SO are the same as the lead and are as follows:
 - 6.1 The Safety specialist or safety engineer shall be registered *Safety Professional* with OSH (Ministry of Human Resources Safety Cadres) or SCE (Saudi Council of Engineers), with documented experience as a SO under similar conditions.
 - 6.2 The SO shall have the authority to stop work.
 - 6.3 The SO should be certified in CPR and First Aid.
 - 6.4 The SO is responsible for administering the Contractor's HSE health and safety and environment program.
 - 6.5 In addition to routine daily inspections, the SO will conduct a documented weekly HSE inspection of the work site.
 - 6.6 The SO will escort the (DACO/ SQA) staff on a safety inspection, conducted by the (DACO/ SQA)



- staff.
- 6.7 The SO must be trained on waste management.
 - 6.8 The Contractor will supply a weekly Safety report to (DACO/ SQA), detailing any HSE related items, including recordable injuries, first aid cases, environmental releases, near misses, and a copy of the weekly HSE inspection.
7. The Contractor shall have on site at all times when work is being performed at least one individual certified in CPR and First Aid in addition to the SO.
 8. The Contractor must have a documented Site-Specific Contractor Environment, Health and Safety program (CHSEP) in place and accepted by the (DACO/ SQA) before work will be authorized to start. This program must be consistent with the (DACO/ SQA) requirements. This plan shall:
 - 8.1 Incorporate the requirements identified in the (DACO/ SQA) work permit requirements, and (DACO/ SQA) regulations requirements.
 - 8.2 Include an Area Hazards Analysis.
 - 8.3 The CHSEP will be based on the hazards inherent to the Means and Methods adopted by the Contractor and its associated work environment. The scope of work will dictate the required program elements for this Contract. The following are examples of program elements that the Contractor may include in its CHSEP:
 - 8.4 Electrical Safety
 - 8.5 Fall Protection
 - 8.6 Personal Protective Equipment (PPE)
 - 8.7 Control of Hazardous Energy (Lock Out/ Tag Out)
 - 8.8 Confined Space
 - 8.9 Hot work (Grinding and Welding)
 - 8.10 Hoisting and Rigging
 - 8.11 Hearing Conservation (Includes Occupational Hygiene Monitoring and Medical Baselines, if appropriate)
 - 8.12 Respiratory Protection (Includes Industrial Hygiene Monitoring and Medical Baselines, if appropriate)
 - 8.13 Emergency Response
 - 8.14 Fire Protection and Prevention (Contractor must provide its own extinguishers)
 - 8.15 Blood Borne Pathogens
 - 8.16 Hazardous Communications
 - 8.17 Machine Safeguarding
 - 8.18 Powered Industrial Trucks
 - 8.19 Industrial Hygiene
 - 8.20 Material Handling
 - 8.21 Spill Prevention, Control, and Countermeasures (Contractor to provide all associated equipment)
 - 8.22 Storm Water Management
 - 8.23 Solid and Hazardous Waste Management
 - 8.24 Air Pollution Control
 - 8.25 Scaffolding
 - 8.26 If the Contractor chooses to adopt one or more specific elements of the (DACO/ SQA) HSE program, or (SMS) it must adopt that element in its entirety.
 9. The Contractor is expected to follow a work planning process that is acceptable to the (DACO/ SQA). The work planning process must be conducted and documented prior to the start of work. The work planning process follows these steps and is documented in the form of a Job Hazards Analysis (JHA):
 - 9.1 Define the scope of the work.
 - 9.2 Analyze hazards in a step-by-step fashion.



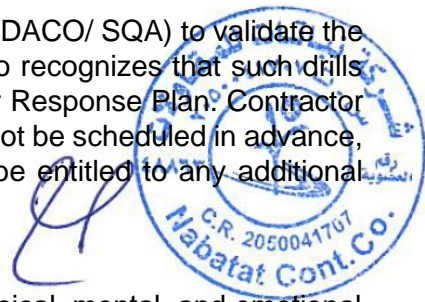
- 9.3 Develop and implement hazard controls and regulatory compliance.
- 9.4 Perform the work and monitor the effectiveness of the hazard controls.
- 9.5 Provide feedback to improve the process (e.g. routine workplace inspections, auditing compliance during work performance, job briefing postings, lessons learned, etc.).

A JHA, acceptable to the (DACO/ SQA), must be completed and reviewed with the individual expected to perform the Work prior to Work starting on a specified task. The SO is expected to review all JHAs. Copies of JHAs must be present at the location where Work is being performed and accessible to the individuals performing the Work and to (DACO/ SQA) representatives.

- 10. The Contractor will conduct a crew work planning meeting (tailgate/toolbox talk), including, when necessary, Subcontractor employees, prior to the beginning of each shift. This talk will include the plan of work for the day, a review of hazards and potential regulatory issues, and the review of applicable JHAs.
- 11. The Contractor is responsible for identifying the need for Qualified and/or Competent Persons for specific tasks as defined in the Scope of Work (SOW).
- 12. Contractor shall provide all common Personal Protective Equipment (PPE) required for the Work (hard hats, safety boots, safety glasses, ...) unless otherwise stated in the Scope of Work.
Contractor or sub-contractor shall identify any PPE, barracking, signage, posters, or any similar safety items unique to the scope.
- 13. The Contractor is responsible for screening all Subcontractors with respect to safety and to adopt a safety selection process consistent with requirements defined herein. In addition, Contractor is responsible for flowing down all HSE requirements of the Contract to its Subcontractors, including monitoring and enforcing compliance.
- 14. The Contractor is responsible for assuring that all Contractor employee safety training is completed in compliance with (DACO/ SQA) guidelines and policies. The following training is required for all Contractor personnel before they start work:
 - 14.1 For Contractors who will be on site 40 hours or more in a calendar year 10-hour safety course (Up-to-date Certificates must be made available upon request). Note that technical certification for workers is also acceptable.
 - 14.2 Site Specific HSE Orientation and Training (plan for an 8-hour on-site training course conducted by SO contractor safety specialist 's/ safety engineer' s).
 - 14.3 Any other training requirements identified by the Contractor in its CHSEP or by the (DACO/ SQA) and communicated to the Contractor, during the Site Specific HSE Program review.
- 15. If the (DACO/ SQA) perceives the Contractor has created or is exposed to an imminent hazard or a noncompliance situation, the (DACO/ SQA) will suspend work until safe conditions are re-established. Such work stoppages will be at the expense of the Contractor and will not add time to the completion date of the Contract.
- 16. In the event of an incident, Contractor will conduct an incident investigation in accordance with the (DACO/ SQA)'s policies. The investigation will include preparing a written report summarizing the results of the investigation, corrective actions taken to prevent a reoccurrence, and any lessons learned. The (DACO/ SQA) may at its discretion participate in and facilitate the incident investigation. Time and expense incurred by Contractor performing an incident investigation will be at the Contractor's expense.



17. The Contractor shall regularly inspect, test, and calibrate as necessary all equipment, machinery, tools, at his position or other items furnished by the (DACO) that are employed in Contractor's Work. Contractor shall take reasonable precautions to avoid damage to facility structures and utilities. If apparent defects are found in (DACO) provided materials, Contractor shall promptly notify (DACO/ SQA) of such defect(s) in writing. If Contractor fails to make such examination or fails to report an apparent defect in such item or items, Contractor shall not be entitled to any compensation for downtime or delays or schedule extensions associated with repair or replacement of the defective item or items.
18. The Contractor shall manage all waste in performance of the Work in compliance with (DACO/ SQA)'s Policies and Procedures and government laws and regulations. Further, the Contractor shall minimize the generation of all wastes and hazardous substances. All disposal and clean-up cost of spills of hazardous substances and non-hazardous debris/waste generated by the Contractor in the performance of the Work will be at the expense of the Contractor.
19. Flammables materials are not allowed underground. Special consideration may be negotiated with the (DACO/ SQA) if Work cannot be completed without flammable materials. This special consideration must be negotiated with (DACO/ SQA). Flammables used on the surface are to be stored in engineered flammable cabinets or in containers with a minimum 3-hour fire resistance.
20. All chemicals, and non- chemical materials, and project required materials to be used at the (DACO)'s facility or roads and grounds; must be approved by the (DACO/ SQA) and Material Safety Data Sheets (MSDS) must be provided and maintained by the Contractor. It is extremely prohibited to store dangerous materials and substances classified as DGR at the Non-DGR designated areas. The contractor shall make the necessary arrangement with the designated DGR stores at KFIA at his own cost which should be accounted for during the RFP stage.
21. All emitting fume (Exhaust Gas) engines and equipment's required for usage in (DACO)'s site, on grounds or underground, may be allowed on site but only with (DACO/ SQA)'s permission. All diesel equipment must be approved by the (DACO/ SQA) prior to usage. An equipment list with associated designation
22. s and fuel types lists is to be provided to the (DACO/ SQA) with work permit required documents.
23. Smoking or the use of tobacco products is not allowed (PROHIBITED) within the boundaries of the KFIA and all DACO facilities, "it is to be noted that the no smoking policy is mandated through a royal decree", and any violation to this rule may lead to immediate disqualification.
24. Contractor acknowledges that periodic drills and exercises are required by (DACO/ SQA) to validate the adequacy and effectiveness of Emergency Response Plan. Contractor also recognizes that such drills and exercises enhance employees' understanding of (DACO)'s Emergency Response Plan. Contractor agrees to participate in Emergency drills and exercises, which may or may not be scheduled in advance, during the term of this Contract. It is understood that Contractor will not be entitled to any additional compensation for participating in these drills or exercises.
25. Contractor agrees to assess whether Contractor's employees have the physical, mental, and emotional capacity to perform assigned tasks competently, and in a manner that does not unreasonably threaten safety, health, or property, including participation in emergency procedures applicable to Contractor's work location.



26. (DACO/ SQA) reserves the right to restrict or deny access of any Contractor employee to the work location.
27. (DACO/ SQA) shall be allowed to provide training, consultation, assistance and guidance as required to ensure the compliance with required safety performance.
28. Contractor shall report the hours worked on site by Contractor's employees on a monthly basis to the safety department Operational Risk Management and to the DACO designated project manager. Hours should be emailed not later than the 3rd day of the month for hours worked the previous month.

11. Fire Protection Requirements

Fire & Rescue Services Department's general requirements for all work permit types that involved any modification in the buildings, fire protection and detection systems, means of egress components, area's uses and occupancy, or/and involved in any work related to Fire Hazard, will be as the following:

1. The supplying, designing, or executing contractor for the projects related to fire detection & protection systems, mean of egress, or fire equipment shall be licensed/approved by the Civil Defense.
2. All Fire Protection Systems' Components or/and Equipment shall meet the SBC and NFPA standards requirements (UL Listed / FM approved).
3. The contractor shall not disconnect, remove, displace, paint, or modify any fire protection and means of egress components before obtaining approval from the Fire and Rescue Services Department.
4. In case of any modification to the Fire Protection System, area's uses and occupancy, or Means of Egress, the licensed /approved consultant by Civil Defense is Must, and he shall undertake the following:
 - i) Study, analysis, and Design the Fire Protection and means of egress requirements based on approved calculations.
 - ii) Supervising the implementation of the project.
 - iii) Review the Fire Material List by coordination with Fire Department and Engineering Department which shall be (UL Listed / FM approved).
 - iv) Systems Testing and Commissioning.
 - v) Issue the SBC-801 Compliance Certificate
5. Contractor shall provide the Emergency Response plan (ERP) including Fire Control Number which is (0138835555) to Fire & Rescue Services Department.
6. Material Safety Data Sheets (MSDS) for all hazardous materials used in the project shall be provided to the Fire & Rescue Services Department.
7. Emergency Vehicle Access Plan according to SBC / NFPA requirements should be



provided to the Fire & Rescue Services Department.

12. Terms of Payment and Financial Details

- 17.1 The bidder must submit the Audited Financial statements of the Company for last three year to evaluate the financial capability of the company.
- 17.2 The bidder must furnish a performance bond of 10% of the total project value, and It cannot be modified or terminated until the end of the contract or handover.
- 17.3 The contractor's payment period will be 30 - 60 days from date of acceptance of the invoice(s).
- 17.4 The contractor must have Insurance cover in line with GACA policy.
- 17.5 The terms of payments are as follows:

S. No.	Activity Description	Payment Breakdown
1	Advance upon Site handover	15% Against Bank Guaranty
2	Monthly payment based on Work completion certified by DACO representative. (MIR and WIR to be approved by DACO or DACO representative)	70%
3	Testing and Commissioning completion (With CIR Approval by DACO or DACO representative)	3%
4	End users Training Completion	2%
5	After Provisional Acceptance	5%
6	Retention until Final Acceptance (After DLP/Warranty Period)	5%

13. Technical Evaluation Criteria


The Technical Proposals will be selected based on and not only to the competency, capacity, completeness, comprehensiveness, and technical structure of the company. The most advantageous Tender will be determined by a combined Technical and Commercial score and an overall assessment of the Tenderer's capability to undertake the contract.

Criteria		Score	Critical Non-Critical
1	Proposal format & Structure	5.00	
1.1	Indexing, Format and Presentation		Non-Critical
1.2	Submit signed & stamped this RFP and any pre-bid (Q&A's)		
2	Introduction & Company Profile	15.00	
2.1	This section will detail a brief introduction of company history & origin, presence in KSA, areas of expertise, organization structure & size of staff, general statement of experience including list of clients etc.		Critical



9.1	The bidder agrees to provide a warranty for all systems and facility for a minimum period of 2 years from the date of initial handover and minimum 10 years for steel structure. The contractor shall provide replacement of spare parts and accessories during the warranty period at their own cost in case of failure. The contractor shall provide maintenance of systems during warranty period on-call basis, with site mobilization of maintenance personnel within 24 hours of incident failure report by DACO.		Critical
9.2	The bidder has guaranteed availability of spare parts for 10 years from the date of initial handover.		

Compliance Matrix sheet: (To be filled in, signed, and stamped by bidder and attached in the technical proposal)



شركة مطارات الدمام
Dammam Airports Company

The Bidder agrees to comply with the following conditions:

1. The bidder agrees to provide warranty for all systems and facility for a minimum period of 2 years and minimum 10 years warranty for steel structure from the date of initial handover. The contractor shall provide replacement of spare parts and accessories during the warranty period at own cost in case of failure. The contractor shall provide maintenance of systems during warranty period on-call basis, with site mobilization of maintenance personnel within 24 hours of incident failure report by DACO. Bidder has confirmed that the assigned team shall be dedicated to this project only throughout the Contract period.
2. The bidder has guaranteed availability of spare parts for 10 years from the date of initial handover.

Company Name:

Date:

Authorized Signatory Name and Title:

Signature:

Attachments:

Appendix 1- IT Cabling Standard.

Appendix 2- VMS, CCTV, VAC and FR Specs.

***** END of RFP*****

