

From : Sr. Works Engineer HVAC
JIAP, Karachi

To : Public Relation Officer
HQCAA, Terminal -1 JIAP, Karachi

Date : 18 February, 2021

Ref : JIAP/1399/007/KCHV/JTC/1042T400/138

INSTALLATION OF CHILLER AT UTILITY BUILDING JIAP (ADP SCHEME # 1042T400

(REPLACEMENT OF 4,500 KW CAPACITY CENTRIFUGAL CHILLER NO. 4 JINNAH INTERNATIONAL
AIRPORT KARACHI)

POSTING/UPLOADING OF CONTRACT AWARD ON PPRA'S WEBSITE

1. Reference subject captioned above and S.R.O.1170 (I) 2009 distributed vide Director ES Circular No.22/2020.
2. Enclosed please find the requisite proformas (Attachment – I & II) with allied enclosures for posting/uploading on PPRA's website.
3. Submitted for further necessary action at your end.

Encl: as above


(ENGR. LIAQAT ALI ZARDARI)
SWE HVAC, JAIP

Copy to:

- Director ES HQCAA
- C.O.O / APM, JIAP
- AdID E.S (E/M), JIAP

PUBLIC PROCUREMENT REGULATORY
AUTHORITY (PPRA)

CONTRACT AWARD PROFORMA – I

To Be Filled And Uploaded on PPRA Website In Respect of All
Public Contracts of Works, Services and Goods Worth Fifty
Million or More

- NAME OF THE ORGANIZATION/DEPTT. Pakistan Civil Aviation Authority
- FEDERAL / PROVINCIAL GOVT. Autonomous
- TITLE OF CONTRACT REPLACEMENT OF 4,500 KW CAPACITY
CENTRIFUGAL CHILLER NO. 4 JINNAH
INTERNATIONAL AIRPORT KARACHI.
- TENDER NUMBER 7511
- BRIEF DESCRIPTION OF CONTRACT Replacement of 4500 kW capacity
Centrifugal type water cooled chiller No. 4 installed at Utility Building Jinnah
International Airport Karachi
- TENDER VALUE Rs. 132,020,000 /-
- ENGINEER'S ESTIMATE N/A
(for civil Works only)
- ESTIMATED COMPLETION PERIOD 09 months
- WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL
PROCUREMENT PLAN? Yes Yes / No
- ADVERTISEMENT :
 - (i) PPRA Website Yes. TSE No. 431312E 17-09-2020 Yes / No (Federal
Agencies) (If yes give date and PPRA's tender number)
 - (ii) News Papers Yes, Yes / No
 - ((1. Business Recorder – 17-09-2020)
 - (2. Roznama Dunia – 17-09-2020)
- TENDER OPENED ON (DATE & TIME) Technical 05-10-2020 at 11: 30 AM,
Financial 26-10-2020 at 12:30 AM.
- NATURE OF PURCHASE Local Local / International


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- EXTENSION IN DUE DATE (If any) No _____ Yes / No
- NUMBER OF TENDER DOCUMENTS SOLD 02 _____
(Refer Encl - A)
- WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING/TENDER DOCUMENTS No. (Not Applicable) _____ Yes / No
(If yes enclose a copy).
- WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING/TENDER DOCUMENTS Yes _____ Yes / No
(Refer Encl - B).
- WHICH METHOD OF PROCUREMENT WAS USED: - (Tick one)
 - a) SINGLE STAGE – ONE ENVELOPE PROCEDURE _____
 - b) SINGLE STAGE - TWO ENVELOPE PROCEDURE. _____
 - c) TWO STAGE BIDDING PROCEDURE. _____
 - d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE. _____
- PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED WITH BRIEF REASONS (i.e EMERGENCY, DIRECT CONTRACTING, NEGOTIATED TENDERING ETC.) Nil
- WHO IS THE APPROVING AUTHORITY Not Applicable
- WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING. N/A
- NUMBER OF BIDS RECEIVED 01 _____
- WHETHER THE SUCCESSFUL BIDDER WAS LOWEST BIDDER Yes Yes / No
- WHETHER INTEGRITY PACT WAS SIGNED Yes _____ Yes / No


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PUBLIC PROCUREMENT REGULATORY
AUTHORITY (PPRA)

CONTRACT AWARD PROFORMA – II

To Be Filled And Uploaded on PPRA Website In Respect of All
Public Contracts of Works, Services & Goods Worth Fifty
Million Rupees or More

- NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS 01
- NAME AND ADDRESS OF THE SUCCESSFUL BIDDER
M/s Greaves Air-conditioning (Pvt.) Ltd.
Modern Motors House, Beaumont Road,
Karachi – 75530, Pakistan
Phone No. 92-21-111-354-111
Fax: 92-21-35682839, 35683425
- RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT
(i.e. 1st, 2nd, 3rd EVALUATED BID).
 1. M/s Greaves Air-conditioning (PVT) LTD
 2. N/A
- NEED ANALYSIS (Why the procurement was necessary?)
 - Environmental regulation, Refrigerant of old chiller was banned
 - Efficiency improvement, reduction of about 3,740,520 kWh annual electrical consumption
- IN CASE EXTENSION WAS MADE IN RESPONSE TIME, WHAT WERE THE REASONS (Briefly describe): Not Applicable.


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- WHETHER NAMES OF THE BIDDERS AND THEIR PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS Yes Yes / No
- DATE OF CONTRACT SIGNING 15-01-2021
(Refer Encl - C)
- CONTRACT AWARD PRICE Rs. 132,020,000 /-
- WHETHER COPY OF EVALUATION REPORT GIVEN TO ALL BIDDERS Yes Yes / No
(Refer Encl - D)
- ANY COMPLAINTS RECEIVED No Yes / No
(If yes result thereof)
- ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE/DOCUMENTS No Yes / No
(If yes give details)
- DEVIATION FROM QUALIFICATION CRITERIA No Yes / No
(If yes give details)

- SPECIAL CONDITIONS, IF Any
(Refer Encl - E)

[F.No.2/1/2008PPRA-RA.III]


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Encl-A

LIST OF TENDER DOCUMENT BUYERS

- M/s Greaves Air Conditioning (Pvt) Ltd.
- M/s MIA CORPORATION Private Limited.


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PAKISTAN CIVIL AVIATION AUTHORITY

REPLACEMENT OF 4,500 KW CAPACITY CENTRIFUGAL
CHILLER NO - 4 AT UTILITY BUILDING JINNAH
INTERNATIONAL AIRPORT KARACHI

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DISCLAIMER

Information contained in this document or information provided subsequently to Bidder or applicants whether in documentary form by or on behalf of Pakistan Civil Aviation Authority (CAA) on the terms and conditions set out in this document and all other terms and conditions subject to which such information is provided.

This document shall not be considered as an agreement but an offer or invitation by Pakistan CAA to any parties other than the applicants who are qualified to submit the Proposals. The purpose of this document is to provide bidder with information to assist the formulation of their bidding proposals.

This document does not claim to contain all the information each Bidder may require. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this document and where necessary obtain independent advice.

Pakistan CAA may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this RFP document.

The following document is enclosed as annexure to this document:-

- a) Schedule of Quantity – Annex –A.
- b) Contract Documents – Annex –B.
- c) Special Terms and Conditions – Annex – C.
- d) Technical Specification – Annex – D.
- e) HSE Manual – Annex – E.

CHECKLIST

The following items must be checked before the Proposal is submitted:-

1. Envelope A "Technical Bid / Proposal".
2. Technical bid shall contain following documents:-
 - a. Duly signed & stamped unpriced Contract Documents – Annex –B.
 - b. Duly Signed & Stamped Special Terms and Conditions – Annex – C.
 - c. Duly Signed & Stamped Technical Specifications – Annex – D.
 - d. Duly Signed & Stamped HSE Manual – Annex – E.
 - e. Copy of Earnest Money / bid security by eliminating/concealing amount.
 - f. Requisite documents mentioned in detailed technical evaluation criteria.
 - g. Product Brochures, certificates, technical literature to substantiate the technical compliance.
 - h. Manufacturer recommended priced list of spares and consumable required for continuous chiller operations of 02 years.
3. Envelope B "Financial Bid / Proposal".
4. Finance bid shall contain following documents:-
 - a. Priced original Bill of Quantities – Annex – D.
 - b. Earnest Money / bid security amounting to 2% of the bid amount in favour of PCAA.
5. Financial Proposals to be quoted in Pak Rupees (PKR).



- D2. List of clients for supply of similar items (breakdown by the category of Government, Semi Autonomous, Autonomous, bodies/ organizations, corporation) with clear description of items provided to each client along with the time frame.
- D3. An affidavit that the applicant Firm / Contractor meets the eligibility criteria and has the requisite expertise and resources to give the required services.
- D4. Affidavit / undertaking that the bidder has never been defaulter of CAA, any Government department, semi Government and Autonomous body or any bank nor black listed by any Govt. / Autonomous Agency.

E. BIDDING PROCEDURE:

- E2. Tender will be opened in the public in the office of Senior Works Engineer (HVAC) – JIAP Karachi, Civil Aviation Authority at/about date and time mentioned in the advertisement.
- E3. Single stage two envelopes bidding procedure shall be applicable as per PPRA 2004 Rule No. 36 (b).
- E4. The Technical (Envelope A) and Commercial (Envelope B) proposals should be in separate SEALED envelopes, thereafter, both envelopes the (technical and commercial) be put in one envelop (second cover) duly sealed and signed addressed to Senior Works Engineer (HVAC) – JIAP Karachi mentioning name of work. Bids along with 02% of bid amount as earnest money in shape of pay order in favour of PCAA must be dropped in Tender Box placed in the office of Senior Works Engineer (HVAC) – JIAP Karachi within stipulated date and time.
- E5. Late submission of the tender shall not be accepted.
- E6. Bid should be typed (legible) written both in figures and words.
- E7. The successful bidder/s to furnish a performance Bond of 05% of bid amount in shape of Bank Guarantee / Pay order in favor of PCAA at the Time of signing of the contract for the satisfactory execution of contract.
- E8. CAA reserves the right to inspect the quoted/offered items/equipment before or after the confirmed order through any agency/person of its choice.
- E9. Only one bid as per technical specifications would be acceptable. Alternate bid(s) shall not be acceptable.
- E10. Bidder shall quote firm and final prices. The bid prices should be inclusive of all applicable Government/Local Taxes and contract shall be executed with the technically qualified lowest evaluated bidder/s as per applicable schedule of stamp duties.
- E11. Bid must accompany technical literatures/brochures if any.
- E12. THE Procuring Agency may reject all bids or proposals in accordance with PPRA Rules 2004 No.33.
- E13. The bid received without earnest money or short of 02% of bid amount will be rejected. Bid security only in shape of bank draft/pay order from scheduled bank in Pakistan with rating "AA" from PACRA / JCR IN FAVOUR OF PCAA will be acceptable (subject to verification).
- E14. The earnest money/ bid security should remain valid till the period of Bid Validity.
- E15. The earnest money / Bid Security shall be forfeited:-
 - a. If a bidder breaches the I/T terms, or withdraws its bid during the period of bid validity, and / or involved in post-tendering manipulation at disadvantage of PCAA, except clarifications.

A. DESCRIPTION:

- A1. Pakistan Civil Aviation Authority (PCAA) invites single stage two envelopes sealed bids for the work of REPLACEMENT OF 4,500 KW CAPACITY CENTRIFUGAL CHILLER NO – 4 AT UTILITY BUILDING JINNAH INTERNATIONAL AIRPORT KARACHI. Firm / Contractor having a demonstrated experience and have successful proven track records in the field of such supply and installation / replacement to large entities may participate & have installed in Pakistan.

B. PURPOSE / SCOPE:

- B1. The purpose of the work is Provisioning of centrifugal chiller with the minimum performance meeting the provided technical specifications, loading from factory, transportation (any kind) to site and unloading, unpacking, setting on foundation with vibration isolators, making all mechanical, electrical and piping connections, complete installation with provisioning of all materials and labour, testing commissioning and handover complete in all respect along with dismantling and shifting of old chiller number 04 to designated location at JIAP.
- B2. The said chiller manufacturer / or authorized dealer should meet the class, quality, workmanship, material, ergonomics and safety features suitable for replacement work at chiller plant of an international airport.
- B3. JIAP is operational round the year and moreover the airport is often used by national and international dignitaries. Every care shall be taken by bidder to quote the latest, most reliable and robust and state-of-the-art equipment covering the broad specification provided with this document. The replacement process should not pose any operational difficulties or any other inconvenience to airport staff, passengers or visitors.
- B4. Initial survey of the site is the sole responsibility of contractor / firm for verifying all the drawing and other related issues. Bidder should inform about problems and difficulties encountered, if any, and proposal to overcome the same in the technical proposal.
- B5. Bidder should arrange the temporary Airport Entry Passes (AEP) from Airport Security Forces (ASF) for his manpower and equipment etc including all codal formalities.
- B6. Technical specification of chiller is attached at Annex – D.

C. REQUISITE PROFESSIONAL EXPERIENCE:

- C1. Only those firms or organization can apply who have experience of provisioning and installation of centrifugal chiller of the same capacity from internationally recognized manufacturer.
- C2. The firms / Organizations keen to work in the stated framework must be:
- a) A registered entity under the laws of Pakistan
 - b) Registered with Sales Tax and Income Tax Department.
 - c) Bidder shall be registered with Pakistan Engineering Council (PEC) under at least PEC Category C-4 having code ME-01, EE-04, EE-05.
- C3. Firms / Contractors shall have trained staff, resources and work plan for safe execution of job at international airport chiller plant.
- C4. Firm / Contractor shall have strong efficiency & discipline mechanism and would be responsible for the conduct of their officials at JIAP Karachi.

D. FIRM / CONTRACTOR PROFILE, DETAIL OF EXPERTISE & CLIENT LIST:

- D1. Detailed Profile of the applicant Firm / Contractor identifying its business, office location(s), number of employees / professionals / members etc.


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- b. In case the successful bidder(s) breaches the I/T terms and or fails to furnish Performance Bond as per clause E-6
- E16. The successful bidder shall submit the evidence / proof of Active Tax Payer/ filer with FBR, DUT and TAXES at the time of submission of bills /invoices for payment as per directive of Government of Pakistan.
- E17. Arithmetical errors found (if any) will be corrected as follows:
- a. Where there is a discrepancy between amount in figures and words, the amount in words will prevail.
- b. Where there is a discrepancy between the unit price and the total amount derived from the multiplication of the unit price and the quantity, the unit price as quoted will govern.
- E18. The bidder shall ensure that the Bid Security is attached with the financial bid and copy of the same by eliminating the Bid Security amount to be attached with the technical offer. Failure to comply may lead to rejection of bid.
- E19. Firm / Contractor taking part in bid will clearly indicate the client / person from whom the verification can be undertaken. (If required at any stage).

F. EVALUATION CRITERIA:

F1. Preliminary Evaluation

- F1.1 Incomplete or Conditional bid will not be acceptable and is shall be rejected
- F1.2 The technical proposals will be reviewed for deviations, acceptance of terms and conditions, adherence to scope of work, formats required, etc.,
- F1.3 In case of non-compliance on any of the above, bids will be considered as technically non-responsive.
- F1.4 If considered necessary, the participating firms / organizations may be asked for a presentation, on their profile, clients and the scope of services that have been or are being provided to clients before finalizing technical evaluation.

F2. Technical Evaluation

The quoted system equipments and components will be examined for compliance with provisions of technical specification (General provisions & Technical Provision) bidder's proposals would be evaluated and scores would be given accordingly in technical evaluation. Bidders are required to provide all the technical literatures and product brochures with technical bids in order to minimize clarifications and other correspondence for product/feature confirmations.

Compliance to all the clauses prescribed in the technical specifications is mandatory.

F3. Detailed Technical Evaluation Criteria

- F3.1 Technical Evaluation would be conducted for parameters as shown in the table below:

Y/A
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S. #	Evaluation Parameters	Required Supporting Document	Minimum Threshold Mark	Marks
1.	Bidders must be a chiller manufacturer (OEM) or OEM's authorized agent / partner of the manufacturer for Pakistan since last 05 (Five) consecutive years.	Valid authorization certificate of OEM in case of agent/dealer/partner partnership certificate for Pakistan as evidence of being an authorized partner for the last (05) years.	10	15
2.	Applicant Firm / Contractor profiles and No. of associates/employees.	Please attach copy of required list	05	10
3.	Particular Experience of the bidder.	Attach list of purchaser or delivery orders or contracts or project completion or sign-off certificate with contact details.	10	20
4.	Bidders Technical Capacity	Please attach copy of PEC valid registration certificate with specific category.	10	15
5.	Bidder must have Technical Strength of at least one (01) OEM Certified / Trained Engineer for after sales services and support.	Please attach copies of OEM certificate with Technicians / Engineers profiles	05	10
6.	Financial Capacity of the bidder.	Copies of Audited Financial Statement are required for last three years must be attached.	05	10
7.	Affidavit / undertaking that the bidder has never been defaulter of CAA, any Government department, semi Government and Autonomous body or any bank nor black listed by any Govt. / Autonomous Agency.	Please attach affidavit on stamp paper of appropriate amount.	05	05
8.	Time schedule to design, manufacture, transport, installation at site, provision of training and handing over of the Chiller to CAA.	Gantt chart with complete time schedule and milestones will be provided.	10	15
Total Points				100

F4. Compliance to Technical Specifications

In order to qualify in the technical evaluation following two conditions must be fulfilled;

- a. The bidder must obtain minimum threshold marks in every evaluation parameter.
- b. The bidder must achieve at least 60% cumulative marks.

F5. Financial Proposal

F6.1 Financial Proposals of only such firms will be considered whose offers have been declared technically qualified. The cost indicated in the financial proposal shall be deemed as final.

F6.2 Financial proposal will be un-conditional, failing which the bid shall be rejected.

G. GENERAL TERMS AND CONDITIONS

Following general terms & conditions apply to this bidding document:-

G1.1 Bids are liable to be rejected if; they are not conforming to the terms, conditions and specifications stipulated in this document.

- G1.2 During the examination, evaluation and comparison of the bids, CAA at its discretion may ask the bidder for clarifications of its bid.
- G1.3 The request for clarification and the response shall be in writing/email. However, no change in the price or substance of the bid shall be sought, offered or permitted after bid submission.
- G1.4 The amount submitted as Earnest Money shall be refunded to the unsuccessful bidders after the decision of "Tender Committee/ Authorized Official" for the award of said tender.

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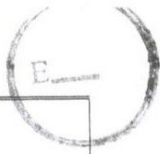
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DETAILED TECHNICAL EVALUATION CRITERIA

Sr. No.	Evaluation Parameters	Required Supporting Document	Marks	Marking Criteria
1.	Bidders must be a chiller manufacturer (OEM) or OEM's authorized agent / partner of the manufacturer for Pakistan since last 05 (Five) consecutive years.	Valid authorization certificate of OEM in case of Agent/Dealer/Partner partnership certificate for Pakistan as evidence of being an authorized partner for the last (05) years.	15	<ul style="list-style-type: none"> ❖ 10 Marks are given, if the contractor is authorized dealer for at-least last 05 years. ❖ For less than 05 years of being authorized agent as of at the time of opening of the technical bid. <ul style="list-style-type: none"> ➤ $10 \times (A/5)$ ❖ For more than 05 years of being the authorized agent. <ul style="list-style-type: none"> ➤ $10 + (A/15) \times 5$ ❖ A = No of years being the authorized dealer ❖ Full Marks are given in case of 15 years or more of being the authorize dealer of OEM.
2.	Applicant Firm / Contractor profiles and No. of associates / employees.	Please attach copy of required list	10	<ul style="list-style-type: none"> ❖ For complete descriptive profile showing different expertise levels with hierarchy of different offices 04 Marks will be awarded. ❖ 2 Marks each will be given if the individual experience of at least 2 Nos. of BS/ B.Sc/BE Engineers (Professional) each is equal to 05 years or above. ❖ For BS/B.Sc / BE Engineers having individual experience of less than 05 years, marks will be given as per following formulas: <ul style="list-style-type: none"> ➤ $= (A/5) * 2$ ❖ A = Engineer's Experience in years. ❖ 1 Mark each will be given if the individual experience of at least 02 Nos. of Associates Engineers (DAE) each is equal to 05 years or above. ❖ For Associate Engineers (DAE) having individual experience of less than 05 years each, marks will be given as per following formulas:

P



				$\triangleright = (A/5) * 1$ A = Associate Engineer's Experience in years
3.	Particular Experience of the bidder.	Attach list of purchaser or delivery orders or contracts or project completion or sign-off certificate with contact details.	20	<ul style="list-style-type: none">❖ 10 Marks will be given, if the contractor has completed / installed 10 units of 1000 TR capacity in the last 05 years.❖ For less than 10 units of 1000 TR capacity in last 05 years.<ul style="list-style-type: none">$\triangleright 10 \times (A/10)$❖ For more than 10 units of 1000 TR capacity and less than 20 units in last 05 years.<ul style="list-style-type: none">$\triangleright 10 + (A/20) \times 10$❖ A = No of units installed in Pakistan. <p>Full Marks will be given in case of 20 units or more has been completed in the last 05 years.</p>
4.	Bidders Capacity Technical	Please attach copy of PEC valid registration certificate with specific category.	15	<ul style="list-style-type: none">❖ 05 marks will be given to a bidder having the PEC registration in at-least C-4 category.❖ 03 marks will be given if the firm has PEC registration the category ME-01❖ 01 marks will be given if the firm has PEC registration the category EE-04❖ 01 marks will be given if the firm has PEC registration the category EE-05❖ After obtaining passing marks in above additional marks will be given to successful bidder as follows. <p>05 marks will be given if the firm has PEC registration the category ME-06(centrifugal chiller)</p>
5.	Bidder must have Technical Strength of at least one (01) OEM Certified / Trained Engineer for after sales services and support.	Please attach copies of OEM certificate with Technicians / Engineers profiles.	10	<ul style="list-style-type: none">❖ Certificate / proof of OEM certificate of at-least 01 trained engineer for after sales services and support.
6.	Financial Capacity of the bidder.	Copies of Audited Financial Statement for last five years shall be provided	10	<ul style="list-style-type: none">❖ 5 Marks are given if the average annual turnover of last 3 years is equal to Rs 500 Million.❖ For Average annual

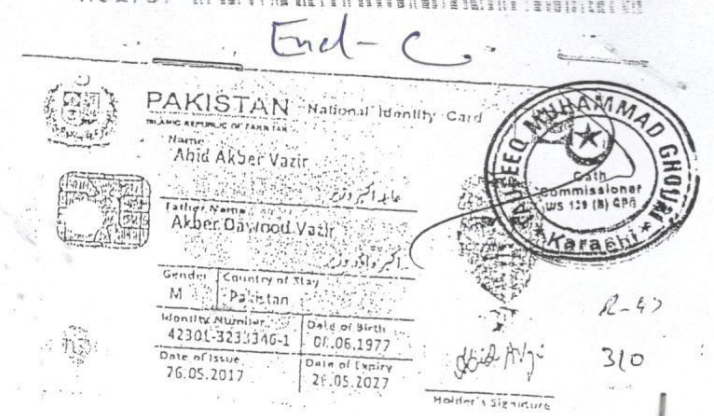
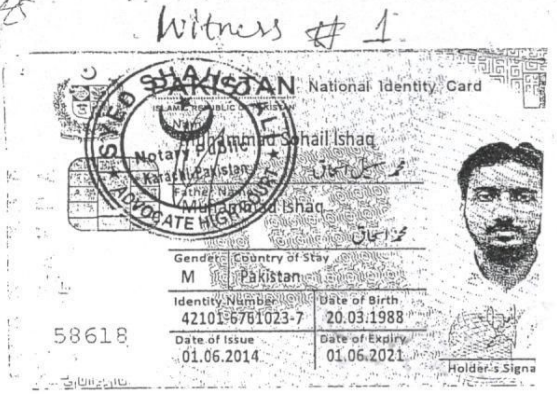
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				<p>income less than Rs. 500 Million, use following weightage</p> <p style="text-align: center;">➤ $5 \times (A/500)$</p> <ul style="list-style-type: none"> ❖ For the Average Annual Income more than Rs. 500 million but less than Rs.2000 million use following weightage <p style="text-align: center;">➤ $5 + (A/2000) \times 5$</p> <ul style="list-style-type: none"> ❖ A= Average Annual Turnover ❖ Full Marks are given in case of "A" Rs.2000 million or more.
7.	<p>Affidavit / undertaking that the bidder has never been defaulter of CAA, any Government department, semi Government and Autonomous body or any bank nor black listed by any Govt. / Autonomous Agency.</p>	<p>Please attach affidavit on stamp paper appropriate amount.</p>	05	<ul style="list-style-type: none"> ❖ If Affidavit is enclosed full marks otherwise zero marks
8.	<p>Time schedule to design, manufacture, transport, installation at site, provision of training and handing over of the Chiller to CAA.</p>	<p>Gantt chart with complete time schedule and milestones will be provided.</p>	15	<ul style="list-style-type: none"> ❖ 05 Marks are given if the complete gantt chart showing complete work schedules with milestones is submitted with technical bid. ❖ 5 Marks are given if the contractor has shown to complete the project in 270 days in his gantt chart. ❖ For Less than 270 days of project completion time following weightage will be used. <p style="text-align: center;">➤ $5 + \{(270-A) \times 0.1\}$</p> <ul style="list-style-type: none"> ❖ For more than 270 days project completion time use the following weightage. <p style="text-align: center;">➤ $5 \times (270/A)$</p> <ul style="list-style-type: none"> ❖ A = project completion time in days ❖ 10 Marks are given if completion time is equal to or less than 220 Days.
Total Points			100	

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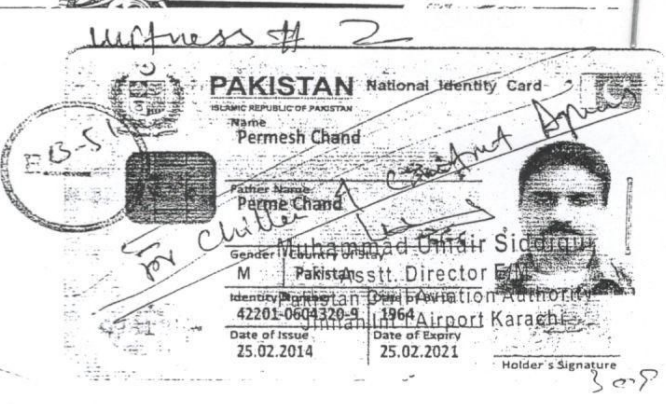
100 Rupees

MUHAMMAD SAJIQ STAMP VENDOR
 L. No: 119, Shop No: 49, New Ruby Centre,
 Boulton Market, Karachi South
 S.No: 12242
 Date: _____

to with Address: _____
 gn with Address: _____

Purpose: _____
 Value Rs. _____ Attach. d. _____

Stamp Vendors Signature: _____
 (Not Use For Free Will & Divorced Purpose)
 Vendor Not Responsible For Fake Documents



FORM OF AGREEMENT

THIS AGREEMENT is made on this the 15th day of January 2021 between the Pakistan Civil Aviation Authority, established under the Pakistan Civil Aviation Authority Ordinance, 1982, having its Head Office at Terminal-I, JIAP, Karachi, through its duly authorized officer (hereinafter called the client "PCAA" which term shall include its successors-in-interest, authorized representative and executors) of the First Part:

M/s. Greaves Airconditioning (Pvt.) Ltd incorporated/registered with Securities and Exchange Commission of Pakistan as a Limited company, having its office at Modern Motors House, Chaudhry Aslam Shaheed Road, Karachi as a Limited" through its duly authorized person namely Mr. Abid Akber Vazir Chief Executive Officer hereinafter called "The Contractor" (which term shall include its successors-in-interest, authorized representatives and executors of the Second Part:

WHEREAS the PCAA is desirous that certain works should be executed viz Construction of "Installation of Chiller at Utility Building JIAP (ADP SCHEME # 1042T400)" (Replacement of 4500 KW Capacity Centrifugal Chiller No. 04, At Jinnah International Airport, Karachi) i.e. the works.

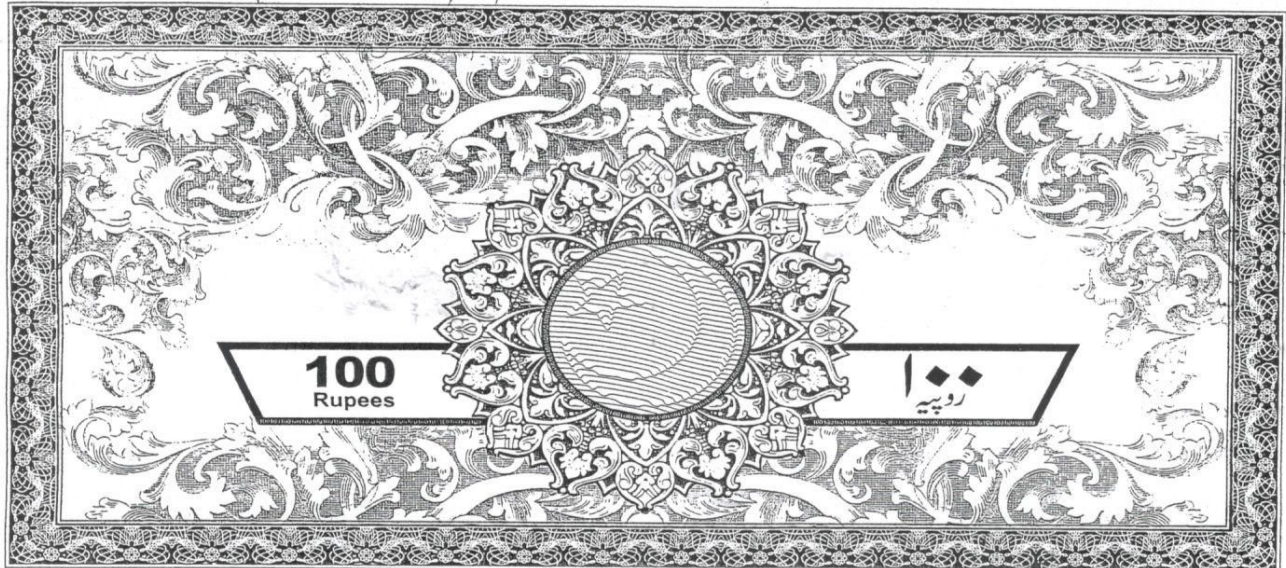
AND WHEREAS the PCAA has accepted the Tender dated _____ submitted by the Contractor for the execution completion and maintenance of the Works.

NOW the Agreement Witnesses as follows:

1. In this agreement words and expressions shall have the same meanings as per-respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents which for the purpose of identification have been signed by Mr. Abid Akber Vazir Chief Executive Officer on behalf on the Contractor and by Mr. LIAQUAT ZARDARI (J+D Mechanical) on behalf on the PCAA all of which shall be deemed to form and be read and construed as part of this Agreement viz:
 - a. This Tender.
 - b. The Drawings.
 - c. The General Conditions of Contract.
 - d. The Special Conditions of Contract (If attached).

(Signature)
Engr. Liaquat Zardari
 Joint Director HVAC Mechanical
 Pakistan Civil Aviation Authority
 Jinnah Int'l Airport Karachi.

(Signature)
SWE (HVAC)



(RUPEES ONE HUNDRED ONLY)

MUHAMMAD SAJID STAMP VENDOR
L. No: 119, Shop No: 49, New Ruby Centre,
Bawana Market S.No: 527
Bawana South Date: 15/01/24
Vendor to with Address: _____
Through with Address: _____
Purpose: _____
Value Rs. _____ Attached: _____
Stamp Vendors Signature: _____
(Not Use For Free Will & Divorced Purpose)
Vendor Not Responsible For Fake Documents

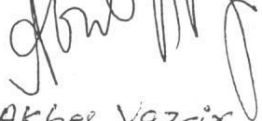
- e. The Specifications.
- f. The Schedule of Quantities.
- g. Letter of acceptance of Tender.

In case of any difference between the General or Special Conditions, the Special Conditions shall prevail.

- 3. in consideration of the payments to be made by the CAA to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the CAA to duly execute complete and maintain the Works in conformity in all respects with the provision of the Contract and of a high standard.
- 4. The CAA hereby covenants to pay to the Contractor in consideration of due execution, completion and maintenance of the Works, the Contract Price in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties have hereunto set their respective hands and seals the day and year first above mentioned.


Signed, Sealed and delivered by the


Abid Akber Vazir
Greaves Airconditioning (Pvt.) Ltd


C.N.I.C No. 42301-3233346-1

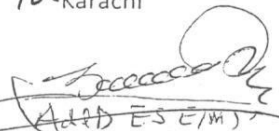

Pakistan Civil Aviation Authority,
Karachi

Witnesses:


1. Muhammad Sahail Ishaq


C.N.I.C No. 42101-6761023-7


SWE HVAC
JIAP


ADD ESEM
JIAP

2. Mr. Permesh Chand

C.N.I.C No. 42201-0604320-9


ADD ESEM - HSCAA



SPECIAL TERMS AND CONDITIONS

1. The unit quoted shall be a model in current production and shall be of quality workmanship and material. The equipment offered under this specification shall be NEW (used, demonstrator, prototype, remanufactured, reconditioned, or discontinued models are not acceptable).
2. The chiller shall, as a minimum, be in accordance with the requirements of this specification and shall be the manufacturer's standard commercial product. Additional or better features which are not specifically prohibited by this specification but which are a part of the manufacturer's standard commercial product shall be included in the equipment being furnished. A standard commercial product is a product which has been sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs, or brochures, and represents the latest production model.
3. Field adjustments required (if any) shall be made by local authorized agent upon delivery and commissioning and the chiller will be made ready in all respects for induction in to service.
4. Contractor shall not execute any welding work prior to information / approval of concerned CAA Engineer In-charge.
5. The contractor shall supply all expendable materials or services, which are necessary to test or set to work the system at his own expense. The contractor shall provide all special tools and testing equipment to execute the job and allied work.
6. Contractor shall return / deposit all the dismantled / unserviceable material to E/M store and submit the receipt of dismantled material deposited with the final bill.
7. The contractor shall ensure provisioning of secure and proper lifting devices for safe removal of old chiller, pipelines, valves, supports etc and fixing of new chiller, pipelines, valves, plate form, pipelines supports as per instruction of Engineer in-charge.
8. Commissioning and site acceptance of units will be undertaken at Jinnah Int'l Airport, Karachi and will re-check all parameters and any other parameters required to validate the chiller performance as per its specifications.
9. Warning :- Pay orders / Bank drafts or any other financial instruments to be submitted by bidders and contractors as tender cost, Earnest money / bid security and bank guarantees, if found fake and dishonored by issuing bank / financial institution at any pre / post contract stage of the case would call for blacklisting and legal action as per law of land.
10. The amount of LD for each day of delay in completion of the whole of works, or if applicable for any section thereof, shall be or equal to 10% (Ten percent) of the contract price stated in the letter of acceptance divided by the number of days specified as completion time.
 - i. Where the contract period less than 200 days = $\frac{10\% \times CP \times N}{T}$
 - ii. Where the contract period more than 200 days = $0.05\% \times CP \times N$
{CP = Contract Price, T= Contract Completion Period, N= No. of Days Delayed}

11. SAFETY AND PROTECTIVE MEASURES

- a) The contractor shall furnish and issue approved safety helmets, appropriate hand gloves, safety-shoes to all workmen and authorized personnel during the course of hazardous construction of all types. Also refer PCAA HSE Manual in this regards.

SWE (HVAC)

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Handwritten signature



Handwritten notes and dates: 26/11/20, 26/11/20

Handwritten signature

12. FIRST AID MATERIAL AT SITE.

- a) The contractor shall provide a well equipped first aid kit to render first aid in case of any accident or any other cases involving injury to any workmen. The first aid kit shall meet the approval of the engineer.
 - b) The contractor shall have at least one man who is well experience in giving first aid treatment. The cost of maintenance and giving first aid treatment shall be borne by the contractor.
 - c) The contractor will be responsible for security clearance of his employees.
13. The contractor shall provide warranty against the Works / equipment for a period of (12 Months) from the date of completion works / installation and commissioning of Equipment, against any design or manufacturing defect, bad workmanship or faulty material. In case of any defect, fitment problem or discrepancy of any nature whatsoever, the contractor shall make good the defective work / replace defective Equipment and/ or Store free of cost. In case contractor fails to rectify the fault / replace the defective Store and or Equipment within 20 days of intimation, PCAA shall have the right to take action under clause 28 of the contract and/ or forfeit the Performance Bond or Security deposit.
14. In case of any difference or dispute arising between CAA and the Contractor in respect of the interpretation, conduct or performance of any terms & conditions of this Contract, the same shall be referred to DG CAA for decision, which shall be final and binding upon both the parties to this contract.
15. The Contractor shall indemnify PCAA against all third party claims, including claims of infringement of Intellectual Property Rights including but not limited to patent, trademark, industrial design rights arising from use of the goods or any part thereof.

16. FACTORY ACCEPTANCE TEST AND TRAINING:

Manufacturer shall arrange an acceptance test at factory / production unit for two PCAA (Pakistan Civil Aviation Authority) officials to validate all operational parameters prior to shipment of chiller. Furthermore, five days operation and maintenance (O&M) training at factory will be arranged by the manufacturer for PCAA officials (Engineers / Technicians). The acceptance test and training shall include arrangement for visas, return air tickets, hotel accommodation, meals, transportation and DSA at approved / prescribed rates.

A five days training on Operations & Maintenance shall also be given to at least six PCAA Officials (Technicians / Operators) at supplier premises by the representative of the manufacturer including transportation and meal. Factory acceptance test, O&M training at factory and local training shall be arranged by the manufacturer / bidder without any additional cost. The foreign and local trainees will be given training certificates upon successful completion of training session.

17. WARRANTY & AFTER SALES SUPPORT:

The complete chiller assembly shall be warranted against all defects in material and workmanship for a minimum period of 12 months. The warranty shall cover replacement of defective parts and labor charges etc.

The warranty period shall commence on the date the unit is accepted at site / commissioned.

During the warranty period the bidder shall be responsible for labor, materials, and any other cost required to make the unit functional by replacement of defective parts components at Karachi airport.



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EVALUATION REPORT

End-D 128 0-2

(As per rule 35 of public procurement rules, 2004)

1. Name of Procuring Agency: Pakistan Civil Aviation Authority
2. Method of procurement: Single Stage Two Envelope (PPRA rule:36(b))
3. Title of Procurement: INSTALLATION OF CHILLER AT UTILITY BUILDING JIAP
(ADP SCHEME NO: 1042T400)
SUB HEAD: REPLACEMENT OF 4500 KW CAPACITY CENTRIFUGAL
CHILLER NO-4, JINNAH INTERNATIONAL AIRPORT, KARACHI
4. Tender Inquiry No. 7511
5. PPRA Ref. No (TSE) 431312E
6. Date & Time of Bid Closing 05-10-2020 11:00 AM
7. Date & Time of Technical bid Opening 05-10-2020 11:30 AM ✓
8. Date & Time of Financial bid Opening 26-10-2020 12:30 AM ✓
9. No. of Bid Received: 01 out of 02 sold
10. Criteria for Bid Evaluation: Technically Qualified and Financially Lowest Bidder ✓
11. Detail of Bid(s) Evaluation:

Name of Bidder	Marks			Rule/Regulation/SBD/Policy/Basis of Rejection/Acceptance as per Rules 35 of PP Rules, 2004
	Technical (if applicable)	Financial (if applicable)	Evaluated Cost	
M/s GREEVES Air-conditioning (Pvt) Ltd	88.83	(N/A)	132,020,000/-	

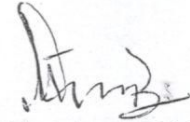
Lowest Evaluation Bidder: M/s GREEVES Air-conditioning (Pvt) Ltd.

12. Any other additional / supporting information, the procuring agency may like to share.

The bid price coated by qualified bidder is 14% above than the estimated amount worked out in March, 2019. However, the bid is found reasonable and workable by the Tender Committee.



Divisional Accountant, JIAP



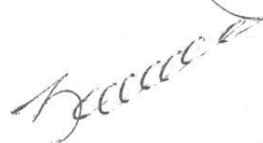
Joint Director (HVAC), JIAP
(Member Committee)



Joint Director (Electrical), JIAP
(Member Committee)



Sr. Joint Director Fin. (WAU), JIAP
(Member Committee)



Additional Director ES E/M JIAP
(Chairman of committee)

Response against notified defects during warranty period shall be immediate and not later than three working days after notification is made to the local authorized agent of the equipment manufacturer for need of repairs.


The equipment manufacturer shall have a local authorized agent in Pakistan who shall have trained personnel available for attending to faults during warranty period and shall have adequate spares available in stock. For those spares which are required for warranty repairs and not held in stock the bidder will undertake immediate shipment by air / courier and shall be liable for its customs clearance and duties /taxes'.


During the warranty period the contractor shall fully support the PCAA operational team for smooth chiller operation and gaining full knowledge and command on the equipment operations and maintenance.

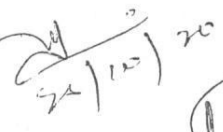
18. The contractor shall provide Laptops Qty-02 for fault diagnostics & monitoring with specification: Processor core i7(8th generation), 500 GB SSD, 8GB Ram, 13/13.5-inch Screen.
19. All work and materials should be subject to observation and review at any and all times by authorized representatives of the engineer incharge.
20. The contractor shall provide Laser color printer with at least 30 pages per minutes for printing and record keeping.
21. The contractor shall submit the Manufacturer recommended priced list of spares and consumable for 02 years of continuous operations of the chiller along with the technical proposal (this amount is for the review/information and should be not be added into the financial bid/proposal).
22. The contractor shall be responsible for the preparation of shop drawings for execution of work and final as-built drawings. All the drawings shall be approved by the engineer incharge in order to be valid. Both hard and soft (CAD Version) of drawing must be provided to CAA.
23. the Operator and maintenance level password shall be provided to CAA (if applicable). After completion of warranty period, all level passwords should be handed over to CAA.
24. Since the work involve working on high tension 11 kV lines. In this regard best quality first class certified material and qualified and certified manpower should be arranged by the contractor along with respective PPE's.
25. Complete operation, maintenance and troubleshooting instructions and drawings should be furnished with chiller, necessary field instructions should be affixed firmly at the relevant secure location on the equipment and should be waterproof.



JOINT DIRECTOR HVAC, JIAP




26/10


24/10/20


24/10/20


22/10/20

SWE (HVAC)