



**TENDER FOR UPGRADE OF DATA CENTER
ENVOIRNMENTAL CONTROL AT NIT HEAD
OFFICE, KARACHI**

NATIONAL INVESTMENT TRUST LIMITED

TABLE OF CONTENTS

	PAGE No
1. INTRODUCTION	3
2. SCOPE OF WORK	3
3. INFORMATION FOR BIDDERS	3
4. TERMS AND CONDITIONS	4
5. PROCEDURE FOR BID SUBMISSION	5
6. EVALUATION CRITERIA	6
7. PAYMENT TERMS	6

ANNEXURE

1	Annexure I : TECHNICAL SPECIFICATION FOR FM200 SYSTEM	7
2	Annexure II : TECHNICAL SPECIFICATION FOR CABINET TYPE AC	8
3	Annexure III : TECHNICAL SPECIFICATION FOR AUTOMATIC SEQUENCE CONTROL	9
4	Annexure IV : TECHNICAL SPECIFICATION FOR AUTOMATIC VOLTAGE RAGULATOR	10
5	Annexure V : BILL OF QUANTITY	11
6	Annexure VI : QUALIFICATION CRITERIA	12

1. INTRODUCTION

- 1.1** National Investment Trust (NIT) is largest open end Mutual Fund in Pakistan. NIT has its Head Office located in Karachi, with its operation spread all over Pakistan through the presence of 20 NIT branches and over 100 distributor's branches.
- 1.2** Sealed Tenders are invited from reputed and well established firms/companies registered with Sales Tax and Income Tax Departments for Data Center upgrade Project that includes supply, installation and commissioning of Automatic Fire Suppression System based on FM-200 Gas, Cabinet type AC with automatic sequence controller and Automatic voltage Regulator as per specification & conditions mentioned below at NIT Head Office, Karachi.

2. SCOPE OF WORK

Following requirements define the scope of work for this Tender:

- 2.1** It is a turnkey project and it is required that the bidder should survey/ visit the NIT before submission of the bid. The submitted bid will cover all specified services, devices or items, mentioned that are required for completion of this project as per specification and accepted standard / best practices required for such projects.
- 2.2** The Selected bidder will be responsible for the supply, installation, commission testing, training of all equipment and services, purchased against this Tender.
- 2.3** Selected bidder must ensure that the supplied equipment is fully operational, new and performs properly and meet Tender Technical Specification.

INFORMATION FOR BIDDERS

Name of Procuring Agency:	National Investment Trust Limited National Bank Building, 6 th Floor, I.I. Chundrigar Road, Karachi. 74000, Pakistan.
Earnest money	Bank draft equal to 2% of the total bid value to be enclosed at the time of bid submission.
Last date for Bid Submission	May 24, 2011 at 10.30 A.M
Bid Opening Date and Time	May 24, 2011 at 11.00 A.M
Bid Opening Place	National Investment Trust Limited National Bank Building, 6 th Floor, I.I. Chundrigar Road, Karachi. 74000, Pakistan.
Contact Person	Mr. S. T. A. Quadri, AVP - Admin
Phone:	021-32412056-9 (Ext : 235)
Direct Phone	021-32425101
E-mail	avpadmin@nit.com.pk
Fax:	021-32422719

3. TERMS AND CONDITIONS:

- 4.1.** The bidder should be registered with Sales Tax and Income Tax Department.
- 4.2.** Bidders may visit NIT Head Office during working hours for inspection of data center site.
- 4.3.** The bidder must be holding elite level partnership for Pakistan from the principal / manufacturer of the equipment.
- 4.4.** The bidders may only quote as per one of the following combinations:
 - 4.4.1** Installation and commissioning of Automatic Fire Suppression System based on FM-200 Gas as given under Annexure I.
 - 4.4.2** Installation of Cabinet type AC with Automatic sequence controller as given under Annexure II & III.
 - 4.4.3** Automatic Voltage Regulator as given under Annexure IV
 - 4.4.4** Combination of any of the above (4.4.1, 4.4.2, 4.4.3).
- 4.5.** Bid should be submitted in Pak Rupees only.
- 4.6.** Bidder firm has not been blacklisted by any Government/Semi Government organization.
- 4.7.** NIT reserves the right to accept/reject wholly or partially any tender at any stage of the tender process. Reasons may be provided upon written request.
- 4.8.** Validity period of the bids shall be for at least 30 days.
- 4.9.** The decisions of NIT will be binding on all concerned and will in no case be challengeable at any forum or any court of law.
- 4.10.** Bids are liable to be rejected if; they are not conforming the terms, conditions and specifications stipulated in this Tender.
- 4.11.** During the examination, evaluation and comparison of the bids, the NIT at its sole discretion may ask the bidder for clarifications of its bid. However, no change in the price or substance of the bid shall be sought, offered or permitted after bid submission.
- 4.12.** The amount submitted as Earnest Money shall be refunded to the unsuccessful bidders after the decision for the award of said tender.
- 4.13.** For this tender all updates/changes shall be communicated through email by NIT.
- 4.14.** Commissioning and installation is required to be executed within four (04) to Six (06) weeks.
- 4.15.** The bidder must certify that all the items offered is the new and latest available against the given specification.
- 4.16.** The delivery will be made at NIT Head Office, Karachi.

4.17. The bidder must have office in Karachi and fully capable to provide maintenance support from this location.

4.18. Bids submitted via email or fax will not be entertained.

5. PROCEDURE FOR BID SUBMISSION

5.1. For this tender ‘Single stage- Two envelope procedure’ for open competitive bidding shall be adopted.

5.2. Bid envelope submitted will comprise of a single envelope containing two separate closed / sealed envelopes containing Technical and Financial proposal.

5.3. Technical proposal envelope should be marked as ‘Technical proposal for Data center up gradation’ and should include following documents:

5.3.1. Technical brochure of the offered model / equipment.

5.3.2. Company profile.

5.3.3. List of customers (corporate sector) along with their contact details

5.3.4. Technical specification (Annexure I, II, III, IV) document completely filled, signed and stamped for identifying offered model / equipment.

5.3.5. Elite partner Authorization letter from Manufacturer.

5.3.6. Income Tax/GST certificate of the bidder.

5.3.7. Any other document required as per this tender document.

5.4. Financial proposal should be marked ‘Financial proposal for Data center up gradation’ and contain bid price filled as per BOQ (Annexure V) for data center up gradation and bank draft for the earnest money @ 2% of total bid value in form of bank draft.

5.5 In first stage only the ‘Technical proposals’ will be opened in the presence of bidder’s representatives that choose to attend.

5.6 Technical proposals of the bidders will be evaluated, generally for compliance of ALL the requirements given in the tender document and specifically for Qualification Criteria given in Annexure VI.

5.7 Vendors who will not submit all required documents / information as per Qualification Criteria and do not meet the qualification requirement will be declared as Non-Qualified Vendors.

5.8 As a part of technical evaluation, bidders may be asked to arrange visit to their completed projects.

5.9 On the basis of Qualification Criteria, the financial proposal of only technically qualified bidder will be opened in the presence of their representatives that choose to attend.

5.10 Financial proposals of bids found technically non-responsive will be returned un-opened.

6. EVALUATION CRITERIA

The lowest financial bid will be accepted against each category as mentioned in paragraph 4.4

7. PAYMENT TERMS

- 7.1** No payment shall be made in advance to the contractor as mobilization advance.
- 7.2** Fifty percent (50%) cost of equipment shall be paid after successful delivery of equipment at site. However partial delivery of equipment may be accepted.
- 7.3** Remaining fifty percent (50%) cost of equipment shall be payable to the vendor upon user acceptance of the delivered equipment by IT department, NIT.
- 7.4** All payments shall be made after deduction of taxes.
- 7.5** All payments shall be made through cross cheque in the Pak Rupees.
- 7.6** Taxes will be deducted at source as per government rules at the time of payment.
- 7.7** Bidder should mention any other charges/optional charges in financial bid deemed necessary to complete and compare final bid amount. (all inclusive including taxes)

ANNEXURE 1: TECHNICAL SPECIFICATION FOR FM200 SYSTEM

Equipment Type	Equipment and Service Specification	QTY	Compliance	Comments	Model	Ref Brochure
1.1 Automatic Fire Suppression System based on FM-200 Gas	1.1.1 FM 200 GAS DUPONT,USA, SUBMIT BATCH NO FOR AUTHENTICATION	22 KG				
	1.1.2 FM-200 CYLINDER 32-LTR Hygood UK. UL LISTED C/W VALVE ASSEMBLY, ELECTRIC ACTUATOR , LOW PRESSURE SWITCH & WALL BRACKET	1				
	1.1.3 IONIZATION SMOKE DETECTOR LOW- PROFILE DESIGN 24V DC WITH TWO LED INDICATORS, EN54,LPCB & VdS CERTIFICATION & C/W BASE KZ 700 KILSEN UTC FIRE & SECURITY, SPAIN	4				
	1.1.4 OPTICAL SMOKE DETECTOR LOW-PROFILE DESIGN 24V DC WITH TWO LED INDICATORS EN54,LPCB & VdS CERTIFICATION C/W BASE KZ 700 KILSEN UTC FIRE & SECURITY, SPAIN	4				
	1.1.5 MICROPROCESSOR- CONTROLLED CONVENTIONAL EXTINGUISHING CONTROL PANEL FOR PROTECTION OF 1 EXTINGUISHING AREA & ONE DETECTION ZONE) CONFIRMS TO EN-54:2, C/W 24VDC 7Ah BATTERIES KILSEN, UTC FIRE & SECURITY, SPAIN, Model No NK703	1				
	1.1.6 FIRE ALARM BELL 06", 24V DC, RED FINISH MICRO MOTOR, INDOOR TYPE, 30 mA, 91 dB @ 10' UL AND FM APPROVED	1				
	1.1.7 SIREN / HOOTER 24 VOLT dc TAIWAN MADE	1				
	1.1.8 DISCHARGE NOZZLE	4				
	1.1.9 INSTALLATION, COMMISSIONING & TESTING	JOB				
	1.1.10 ON SITE ONE YEAR COMPREHENSIVE WARRANTY	-				

ANNEXURE 1I: TECHNICAL SPECIFICATION FOR CABINET TYPE AC

Equipment Type	Equipment and Service Specification	QTY	Compliance	Comments	Model	Ref Brochure
1.2 Air-conditioning System	1.2.1 02 Ton Cabinet Ac , Mitsubishi, Acsona or Equalent	01				
	1.2.2 32 Amp Circuit breaker ,Schneider Electric , Installation in existing Power DB	01				
	1.2.3 Supply / Fitting of refrigerant copper piping, rubber insulation Gulfoflex, PVC taping, connected control wiring form indoor to outdoor.	Lump Sum				
	1.2.4 Supply/ fitting of PVC sleeve	Lump Sum				
	1.2.5 Power Cable 4mm (7x36) 3 Core make "Pakistan Cable " from Data center DB to AC	Lump Sum				
	1.2.7 Complete Installation and commissioning of cabinet AC in all respect	JOB				
	1.2.8 Complete installation & Training	-				
	1.2.9 Warranty On Site one Year comprehensive warranty	-				

**ANNEXURE III: TECHNICAL SPECIFICATION FOR AUTOMATIC SEQUENCE
CONTROLLER**

Equipment Type	Equipment and Service Specification	Compliance	Comments	Model	Ref Brochure
1.3 AC Automatic Sequence Control System	1.3.1 Schneider Electric Brand Equipment or Equalient				
	1.3.2 Micro Controller based system with Digital Temperature Sensor				
	1.3.3 7 Segment LED Display				
	1.3.4 Data Retention Memory for Time and Temperature settings				
	1.3.5 Parameters settings from sequence controller module				
	1.3.6 1 minute Switching delay for each Air-conditioner				
	1.3.7 Configurable Set Value for Time				
	1.3.8 Configurable Set Value for Temperature				
	1.3.9 Configurable Set Value for High Temperature				
	1.3.10 Configurable Set Value for High / Low Voltage				
	1.3.11 High Temperature Alarms				
	1.3.12 High / Low Voltage Alarms				
	1.3.13 Configuration of Automatic sequence controller with 03 Data center AC's				
	1.3.14 Complete Installation for 03 Acs & Training				
	1.3.15 On Site one Year comprehensive warranty				

ANNEXURE IV: TECHNICAL SPECIFICATION FOR FULL AUTOMATIC VOLTAGE REGULATORS

Equipment Type	Equipment and Service Specification		Compliance	Comments	Model	Ref Brochure
1.4 FULL AUTOMATIC VOLTAGE REGULATOR	1.4.1 Brand	APC, GE, TESCOM OR EQUALIENT				
	1.4.2 Input Voltage Correction Interval	275-450 VAC (Phase to Phase)				
	1.4.3 Input Voltage Operating Interval	155-490 VAC (Phase to neutral)				
	1.4.4 Phase	3 Phase input 3 Phase Output				
	1.4.5 Operation Frequency	47...65 Hz				
	1.4.6 Line Input Protection	Over current, Low and High voltage Protection				
	1.4.7 3 Phase O/P Voltage	380 VAC RMS +- 1 %				
	1.4.8 Overloading	10 Sec 200 % Load				
	1.4.9 Correction Speed	~90 Volt / Sec				
	1.4.10 Output Protection	Protects load by opening the circuit when overload short circuit occurs				
	1.4.11 Working Principle	Servo Motor, Microprocessor controlled, Full Automatic				
	1.4.12 Cooling	Automatic Fan System				
	1.4.13 Measured Value Monitor	DELTA TRUE RMS Panel Voltmeter (74x74 mm) output voltage and line voltage monitoring				
	1.4.14 Mechanical By Pass	Manually Controlled Line Rotary Switch Selects Voltage Regulator "Switch Turn On / Off " for Maintenance Purpose				
	1.4.15 Power VA	45 KVA				
	1.4.16 Display	Digitally displayed status, input & output measurements				
	1.4.17 Protection	Over current and overload protection				
	1.4.18 Complete Installation in all respect	Complete Electric wiring, installation and integration with NIT Data Center Requirement				
	1.4.19 Warranty	On Site Two Year comprehensive warranty				

ANNEXURE V: BILL OF QUANTITY

Equipment Type	Quantity	Unit Price	Total Price
1.1 Supply, Installation and commissioning of Automatic Fire Suppression System based on FM-200 Gas (As per specifications in Annex I)			
1.2 Supply , Installation and commissioning of Cabinet AC with Automatic Sequence Controller (As per specifications in Annex II)			
1.3 Supply , Installation and commissioning of Automatic sequence controller for ACs (As per specifications in Annex III)			
1.4 Supply , Installation and commissioning of Automatic Voltage Regulator (As per specifications in Annex IV)			

ANNEXURE VI: QUALIFICATION CRITERIA

Vendors who will meet the following conditions and submit the documents / statements / information as mentioned, will be declared Qualified Vendors while others will be classified as Non-Qualified Vendors.

General (for all items)

- 8.1 Income Tax Certificate / GST Certificate (Copy to be provided).
- 8.2 Holding Elite level partnership like Gold / Premier/ Tier1 etc for Pakistan from the principal/ manufacturer of the equipment (Copy to be provided).
- 8.3 Successful implementation of at least three (05) similar projects* completed within last two years Testimonial from the customer or can be confirmed by NIT through the contact detail provided.
- 8.4 Completely Filled Bill of Quantity as per equipment quantity given under Annex V.
- 8.5 Proof of Company being in operation for at least 02 years in Pakistan in relevant business.
- 8.6 Compliance of the offered model / product with the specification mentioned in Technical Information in Annexure I, II, III, IV. The relevant Annexures completely filled signed and stamped to be attached with the bid document.
- 8.7 Technical proposal documents be duly signed and stamped.

Specific (For FM 200 only)

- 8.8 Vendor has Qualified/Certified designers of FM 200 Systems. Certificates should be provided.
- 8.9 Vendor should confirm the ready availability of inventory of spares including Gas.
- 8.10 The installation of FM-200 based projects completed / in-hand during last 2 years for 'Financial sector / or Tier 3 and above' data centers should be in excess of 10 (ten) and have a combined worth of at least Rs 10 Million (list to be provided with contact details).

**Project listed should be of the same or higher specification than this Tender*