ٹریڈنگ کارپوریشن آف پاکستان (پرائیویٹ) لمیٹڈ
Trading Corporation of Pakistan (Pvt) Limited

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Finance & Trade Centre.
Sharea Faisal. Karachi. 75350
(Pakistan)

No. TCP/REM/313-16(1)/2019

28th June, 2021.

NOTICE INVITING TENDER FOR CONVENTIONAL FIRE ALARM SYSTEM

Trading Corporation of Pakistan (Pvt.) Ltd a private limited company, set up in 1967 under companies Act, 1913 (now companies Act, 2017) operating under the administrative control of Ministry of Commerce, Government of Pakistan, invites bids for **Installation of Fire Alarm System at 8th Floor of Block-A, Finance & Trade Centre, Shahra-e-Faisal, Karachi**

2. Bidding will be conducted under Rule 36(b) of the Public Procurement Rules, 2004 i.e. **Single Stage Two Envelope procedure.**

3. Interested and eligible Companies may submit their sealed offers/bids comprising **two (02) separate envelopes in respect of Technical Proposal and Financial Proposal (Clearly marked on each envelope)**, to be dropped in the Tender Box placed at Reception Counter of TCP at 4th Floor, Block-B, Finance & Trade Centre, Shahrah-e-Faisal, Karachi, on **Tuesday the 13th July, 2021 by 1130 (hours).** Technical proposal will be opened on **13th July, 2021 by 1200 (hours) on the same day** in the TCP's Board Room, in presence of bidders or their authorized representatives who may wish to be present.

4. Tender Document, containing terms & conditions can be obtained on payment of **Rs.1,000/- (Rupees one thousand only)** during office hours from publication of this notice till **Tuesday the 13th July, 2021 by 1030 (hours)** from following office of TCP:

i) Deputy Manager (Cash), Trading Corporation of Pakistan (Pvt.) Ltd, 4th Floor, Block-B, Finance & Trade Centre, Shharah-e-Faisal, Karachi, (Tel: 021-99202947-49 Ext. 235).

5. The tender documents can be downloaded from TCP's website www.tcp.gov.pk and PPRA's website www.ppra.org.pk. Interested parties would however be required to provide separate Demand Draft/Pay Order of Rs.1,000/- as tender documents fee while submitting the bids without which their bids will not be accepted.

6. The Interested parties who have not fulfilled their contractual obligation with TCP previously shall not be eligible to participate in the Bids, unless they clear their dues along with penalties or fulfill their contractual obligations in services with TCP, as the case may be, before tender opening date. Furthermore, the Company against whom blacklisting process has been initiated or they have been blacklisted by TCP will not be eligible to participate. Detailed requirements are indicated in the Tender Document containing tender terms & conditions.

7. TCP reserves the right to reject any or all bids at any time prior to their acceptance as per PPRA Rule.

(NAIMATULLAH SHAIKH)
G.M (REM&S)
Ph: 021-99207542

28/06/2021

TRADING CORPORATION OF PAKISTAN (PVT.) LTD.

No.TCP/REM/313-16(1)/2019 28th June, 2021.

TENDER DOCUMENT FOR CONVENTIONAL FIRE ALARM SYSTEM

1. INTRODUCTION:

1.1 Trading Corporation of Pakistan (Pvt.) Ltd a private limited company, set up in 1967 under companies Act, 1913 (now companies Act, 2017) operating under the administrative control of Ministry of Commerce, Government of Pakistan, invites bids for **Installation of Fire Alarm System at 8th Floor of Block-A, Finance & Trade Centre, Shahra-e-Faisal, Karachi**

1.2 Interested and eligible parties may submit their sealed offers/bids on the prescribed Proforma **(Annex-II)** against the total covered area duly filled in all respect.

1.3 The interested parties who have not fulfilled their contractual obligation with TCP previously shall not be eligible to participate in the Bids, unless they clear their dues along with penalties or fulfill their contractual obligations with TCP, as the case may be, before tender opening date.

1.4 TCP reserves the right to reject any or all bids prior to their acceptance as per PPRA Rules 2004.

2. OBTAINING OF TENDER DOCUMENTS:

2.1 Tender Document containing terms & conditions can be obtained on payment of **Rs.1,000/- (Rupees one thousand only)** during office hours from publication of notice from following offices of TCP:

i. Deputy Manager (Cash), Trading Corporation of Pakistan (Pvt.) Limited, 4th Floor, Block-B, Finance & Trade Centre, Sharah-e-Faisal, Karachi, Pakistan (Phone: 021-99202947-49 Ext. 235).

2.2 Tender Documents along with detailed terms & conditions can be purchased by written request on the letter head of the interested party during working hours from publication of tender notice at TCP's as well as at PPRA website till close of tender time from the office notified above.

2.3 Tender Document along with detailed terms and conditions can be downloaded from TCP's or PPRA's Official website i.e tcp.gov.pk or ppra.org.pk, respectively. However, the bidder require to enclose the prescribed fee of Rs. 1000/= in the form of Pay order/Demand Draft or Cash receipt issued by TCP.

2.4 Bidders are required to submit their valid Name, Email ID, Contacts, complete address even when downloading the tender document from TCP's official website.

2.5 The bidders are required to keep watch on the TCP's Official website regularly to remain updated about any further development in the tender terms.

3. SUBMISSION OF OFFER:

3.1 Bidder must read terms and conditions carefully, before filling up the bid form.

3.2 Bidder must ensure that the offer is made/filled in on the prescribed format "Bid Form" **(Annex-II)**.

3.3 There should not be any over-writing, double writing, crossed, additional conditions on the Bid Form.

3.4 Rates are to be quoted clearly in digits and Total Amount in digits as well as in words.

3.5 2% Bid of the total offer shall be accompanied in original as a Bid Security in the form of a Demand Draft/Pay Order in favour of Trading Corporation of Pakistan (Pvt.) Ltd., **A bid received without bid security shall not be considered at all.**

3.6 Bid Money of the unsuccessful bidder(s) will be returned within seven (7) days of the award of the contract to the successful Bidder.

3.7 Bid Security of the successful Bidder(s) shall be retained, which will be returned / refunded after submission of **Security Deposit equivalent to 5%** in shape of Payorder or Demand Draft in favour of Trading Corporation of Pakistan (Pvt.) Ltd, and signing of the tenancy agreement.

3.8 Bid Security of the successful Bidder(s) shall be forfeited, if the successful bidder fails to deposit the Security Deposit equivalent to **5%**.

3.9 Required documents and Bid security is required to be enclosed in original.

3.10 Tender Documents Purchase receipt in original or pay order of **Rs.1,000/-** should be enclosed in favour of TCP.

3.11 Bids received through fax, cable, courier or any other means except as prescribed above shall not be considered.

3.12 The bid is to be dropped in the Tender Box placed at Reception Counter of TCP at 4th Floor, Block-B, Finance & Trade Centre, Shahra-e-Faisal, Karachi, **on Tuesday the 13th July, 2021 by 1130 (hours).** The **bids** will be opened **on the same day at 1200 (hours)** in the TCP's Board Room, in presence of bidders or their authorized representatives who may wish to be present.

3.13 Conditional offer shall not be acceptable.

4. LIST OF DOCUMENTS TO BE SUBMITTED WITH BID/OFFER:

Bidder(s) must ensure that the following documents are enclosed with the bid;

4.1 Complete **Tender Document**, duly signed and stamped on its each/every page, including annexure(s) as acceptance of these terms & conditions.

4.2 **Bid Form (Annex-II)** duly filled, signed and stamped;

4.3 Attested copy of NTN / Income Tax Registration Certificate.



4.4 Attested copy of Sales Tax Registration Certificate, if applicable,
4.5 Attested copy of CNIC of signatory of the Bid Form.

4.6 Bidder Profile.

4.7 Original Bid Security.

4.8 In case of any one or more of the above documents is not submitted, reason for non-submission of the same should be submitted on the letterhead by the bidder with justification.

4.9. In case of non-submission of any document or non-submission without acceptable justification, the bid can be declared as non-responsive.

5. VALIDITY OF BID/OFFER:

Offer/Bid will be valid for Thirty (30) working days w.e.f. date of opening of Bids.

6. BID EVALUATION CRITERIA:

6.1 Bids will be evaluated by the Bid Evaluation Committee constituted for this purpose, solely on basis of Evaluation Criteria as per **(Annex-I)** /Offer subject to their conformity with terms & conditions of tender documents.

6.2 TCP can ask any detail, information, in respect of the offer submitted by the bidder. However, the original bid shall be treated for the evaluation purpose.

6.3 The bidder will have no right to change its stance, in respect of Price (amount), terms & conditions etc, once the bid is dropped in the Tender Box.

7. PAYMENT:

7.1 Payment will be paid within seven (07) days after satisfactory test of the installed fire alarm system duly checked/verified by the team of M/s. FMCL with their installed system.

7.2 Taxes will be applicable as per law.

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CONVENTIONAL FIRE ALARM SYSTEM

1. **Scope of Work:**

i. It is intended that the Contractor shall provide all hardware including fire alarm control panel, detectors, manual pull stations, sounders, fire alarm visual indicators etc. for the system. The contractor shall provide all cabling, terminations, connections etc, install and commission the system.

ii. The Fire Detection System will be a Conventional Fire Alarm type.

2. **Scope:**

i. Anew fire detection system shall be installed in accordance with the specifications and drawings.

ii. **Basic Performance:**

- Supports the complete range of EN54 approved series600 detectors including photo multi-sensor and CO multi-sensor.
- Supports twin wire sounders on all eight detection zones.
- Drives up to 3 repeater panels (4 and 8 zone panels).
- Access to controls via key switch.
- Space for 2 x 3.4 A/H batteries providing up to 72 hour standby.
- Remote control inputs for class change, alert, evacuate, silence alarms and reset.
- Zone 1 configurable for latching or non-latching.
- Selectable zonal or general alarm sounder operation.
- Alert sounder option.
- Configurable zone co-incidence for automatic detectors.
- Fully monitored fire signaling output.
- Single pole volt free changeover fire relay output.
- Single pole volt free changeover fail safe fault relay output.
- Short circuit fire option.
- Auxiliary 24VDC 250mA power supply output.
- Open collector output for buzzer active, disablement active and evacuate active.
- Earth fault monitoring.
- Zone/Output disablement for each zone, fire signal output and all sounders.
- Buzzer disable feature.
- One man zone test.
- One man sounder test.
- Automatic fire detector and manual alarm call point fire event discrimination.
- Alarm counter.
- Compatible with diode bases for detector removal.
- A single short or open circuit on any system signaling line circuit, initiating device circuit or indicating appliance circuit shall not cause system malfunction, loss of operating power or the ability or report an alarm in unaffected areas.
- Alarm signals arriving at the main C.I.E, shall not be lost following a power failure until the alarm signal is processed and recorded.

iii. **Basic System Functional Operation:**

When a fire alarm condition is detected and reported by one of the system initiating devices or appliances, the following functions shall immediately occur:

i. The Common Alarm LED shall illuminate.
ii. A local piezo-electric signal in the C.LE. shall sound.
iii. The back-lit LCD shall indicate all information associated with the Fire Alarm condition, including the type of alarm point, zone and its location within the protected premises.

3. **General Operation:**

The Fire Alarm System shall incorporate following features designed to make it the simplest system to install, configure and use:

- Provide the user with clear comprehensive information in the event of a fire.
- Provide an entire historic log of the system's management information.
- Should a system fault occur, a detailed explanation is shown and the user can at any time navigate through the faults history?
- Allow that areas throughout the building can be sectored to give an evacuation or alert signal on alarm or can be configured with pre-set delays.
- Built-in high intensity flashing strobes warn those with hearing difficulties of a potential fire hazard.
- An 8-line by 40 character display means the user is not limited in describing the position or nature of an emergency.
- Should be able to provide 4 Zones for connecting devices and each loop should be able to accommodate 50 devices.
- The panel is available with 72 hour standby facility.
- Advanced networking options that allow at least 50 domain networks.
- A repeat panel that repeats all information provided to the main control panel and provides mains control functions.
- The LCD repeat panel should indicate Fire, Fault and Disablement information on a 40 character display, either directly as events occur or by accessing the logs via dedicated keys.
- The Panel shall be able to communicate through an Open Protocol such as BAC net.

4. **Guarantee:**

All work performed and all material and equipment furnished under this contract shall be free from defects and shall remain so for a period of at least one (1) year from the date of acceptance. The full cost of maintenance, labor and materials required to correct any defect during this one year period shall be included in the submittal bid.

5. **Cabling:**

i. All fire alarm cables for initiation/supervisory/notification devices to meet the following specifications:

Conductor Type	Plain annealed solid Copper
Conductor Number/Cross Section	2 x 1.5sqmm
Voltage Rating	0.3/0.5kV
Insulation Type	Low Smoke Zero Halogen (LSZH)
Screen/CPC	Laminated Aluminum tape screen bonded to sheath and in contact with 1.5 sq.mm tinned annealed copper circuit protective conductor
Sheath	LSZH
Approvals	BS 5839-1

ii. Termination to the cable shall be carried out to the equipment manufacture's specifications. LSF/PVC shrouds shall be used. Alternatives may be acceptable subject to the manufacturer's and consultant's approval.

iii. All cables shall be high Voltage insulation tested in accordance with current IEE regulations and the results recorded and test certificates issued to the commissioning engineer.

iv. All signaling line circuits shall be resistance, end to end, checked and the results recorded and test certificates issued to the commissioning engineer.

v. All cables shall be installed in accordance with the latest IEE regulations.

vi. All cables shall be installed in accordance with BS 5839 Pt.I

vii. All cable screens shall be continuous and earth bonded at the C.I.E. only.

6. **Execution:**

6.1 INSTALLATION:

i. Installation shall be in accordance with the BS 5839 Pt.1 and current IEE regulations as recommended by the equipment manufacturer. Detectors shall not be installed within 3 feet from supply/return air duct. The Contractor shall inform the Client and Consultant in case this is not possible.

ii. All conduit, junction boxes, conduit supports and hangers shall be concealed in finished areas and may be exposed in unfinished areas. Smoke detectors shall not be installed prior to the system programming and test period. If construction is ongoing during this period, measures shall be taken to protect smoke detectors from contamination and physical damage.

iii. All fire detection and alarm system devices, C.I.E and remote repeaters shall be semi-flush mounted when located in finished area.

6.2 **TYPICAL OPERATION:**

Actuation of any manual call point, smoke detector, heat detector or water flow switch shall cause the following operations to occur unless otherwise specified:

i. Activate all programmed indicating circuits until silenced.

ii. Activate all strobe units until the panel is reset/silenced.

iii. Annunciate the active initiating devices and zones.

iv. Release all magnetic door holders on doors to adjacent zones on the floor from which the alarm was initiated.

v. Return all elevators to the primary or alternate floor of egress.

vi. Duct type smoke detectors shall, in addition to the above functions shutdown the ventilation system or close associated control dampers as appropriate.

6.3 **TEST:**

i. Provide the service of a competent, factory-trained engineer or technician authorized by the manufacturer of the fire alarm equipment to technically supervise and participate during all of the adjustments and commissioning of the system.

ii. Before energizing the cables and wires, check for correct connections and test for short circuits, earth faults, continuity, and insulation.

iii. Verify activation of all flow switches.

iv. Open initiating device circuits and verify that the fault signal actuates.

v. Open signaling line circuits and verify that the fault signal actuates.

vi. Open and short indicating appliance circuits and verify that fault signal actuates.

vii. Earth initiating device circuits and verify response of fault signals.

viii. Earth signaling line circuits and verify response of fault signals.

ix. Earth indicating appliance circuits and verify response of fault signals.

x. Check presence and audibility of tone at all alarm notification devices.

xi. Check installation, supervision and operation of all intelligent smoke sensors during a walk test.

xii. Each of the alarm conditions that the system is required to detect should be introduced on the system. Verify the proper receipt and the proper processing of the signal at the GI.E. and the correct activation of the control points.

xiii. When the system is equipped with optional features, the manufacturer's manual should be consulted to determine the proper testing procedures. This is intended to address such items as verifying controls performed by

individually addressed or grouped devices, sensitivity monitoring, verification, functionality and similar.

6.4 FINAL INSPECTION AND HANDOVER:

i. At the final inspection a factory trained representative of the manufacturer shall demonstrate, in the company of the client's representative and the fire officer, that the system function is correct in every respect.

6.5 INSTRUCTION:

i. Provide instruction as required for operating the system. "Hands-on" demonstrations of the operation of all system components and the entire system shall be provided to the client staff.

ii. The Contractor and/or the Systems Manufacturer's representatives shall provide a type written "Sequence of Operation" to the Owner.

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ANNEX-I

EVALUATION CRITERIA

S. No.	Parameters against which technical evaluation shall be done	Scoring brackets	Total points allocated
1	**Company Profile**		50
1.1	**Years of Experience in Fire alarm works:**		15
	≤ 2 year	0	
	≥ 2 ≤ 4 years	5	
	≥ 5 ≤ 7 years	10	
	≥ 8 years	15	
1.2	**Clientele:**		15
	≥ 3 ≤ 5 MNCs or local firms in any trade	3	
	≥ 5 ≤ 8 MNCs or local firms in any trade	7	
	≥ 10 MNCs or local companies in any trade	15	
1.3	No. of employees, Relevant Qualifications of Mgmt and team		20
1.3.1	**Number of employees:**		5
	Number of employees ≤10	2	
	Number of employees >11	5	
1.3.2	**Relevant Qualifications of Mgmt and Team:**		15
	Not related to Fire Alarm works but experienced	2	
	Relevant to Fire Alarm works with ≤3 years experience in the field	10	
	Relevant to Fire Alarm works with > 3 years experience in the field	15	
2	**Relevant Experience:**		20
2.1	Fire Alarm Projects handled so far		
	≤ 3	5	
	≥ 5 ≤ 8	10	
	≥8≤12	15	
	≥12≤15	20	
3.	**Financial Strength Of The Firm:**		10
3.1	≥ 5 ≤ 10 Million of annual turnover	3	
3.2	≥10 Million of annual turnover	10	
	Mandatory For Technical Qualification		
4.	Registration with Income Tax and Sales Tax	10	10
		TOTAL:	100
		Minimum Passing Score:	70

ANNEX-II

BID FORM

BILL OF QUANTITIES

CONVENTIONAL FIRE ALARM SYSTEM AT 8th Floor, Block-A, FTC Building

S.#	Item of Work	Qty	Rate	Unit	Amount
1.	Providing and fixing, testing and commissioning of 04 zone fire alarm control panel surface/recessed mounting type with full switching programming capabilities system suitable operation of 230 volts 50hz with full functionality as per specification of manufacturer with proper staff and tools and plants etc complete with 2 bell sector 3 ampere charge and battery backup complies to with allied components approved make or as approved by the Engineer in-charge as required. (7-2-02)	1 Job		Job	
2.	Providing and fixing, testing and commissioning of ionization smoke detector (dual chamber) complies to en54pt. 7 with full functionality as per specification of manufacturer/drawing with proper staff and tools and plants etc complete with allied components approved make or as approved by the Engineer in-charge as required. (7-2-06)	75 Job		Job	
3.	Providing and fixing, testing and commissioning of heat detector complies to en54pt.5. with allied components with full functionality as per specification of manufacturer/drawing with proper staff and tools and plants etc complete with allied components approved make or as approved by the Engineer in-charge as required. (7-2-07)	2 Job		Job	
4.	Providing and fixing, testing and commissioning of manual call point break glass type with spare glass with allied components with full functionality as per specification of manufacturer/drawing with proper staff and tools and plants etc approved make or as approved by the Engineer in-charge as required. (7-2-08)	2 Job		Job	
5.	Providing and fixing, testing and commissioning of addressable electronic sounder unit with addressable base with full functioning switching programming capabilities, system as per specification & recommended of drawing/manufacturer with allied components with T&P etc approved make / model or as approved by the Engineer in-charge as required. (7-1-06).	2 Job		Job	
6.	Supply & drawing of 1.5 mm^2, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required. (2-32-01)	5000 Rft		Rft	
7.	Providing & fixing of 16x16 mm PVC duct fitted on surface as required. (2-67-11)	2500 Rft		Rft	
8.	Supply & fixing 20mm (3/4") dia PVC conduit with all especial such as bends, sockets, junction etc fitted on surface as required. (2-67-01)	150 Rft		Rft	
9.	Supply & Installation of Fire Alarm Flasher as per drawing & specifications.	Job		Job	
10.	Testing, Commissioning & Proper tagging of FA System by authorized local representative of the manufacturer.	Job		Job	
				TOTAL:	