



SMALL INDUSTRIES DEVELOPMENT BANK OF INDIA

Mumbai Office, Swavalamban Bhavan, C-11, G Block, Bandra Kurla Complex, Bandra East, Mumbai,
Maharashtra 400051, Tel.: 022-6753-1100, www.sidbi.com

TENDER DOCUMENT

Design, Supply, Installation, Testing and Commissioning of Fire Detection and Alarm System in SIDBI Office at Swavalamban Bhavan, C-11, G Block, Bandra Kurla Complex, Bandra East, Mumbai.

**Volume – II
COMMERCIAL BID**

LAST DATE OF SUBMISSION – 12/01/2021

Prepared & Issued By:

BIM & MEP CONSULTANTS



B-602, Kailas Business Park, Veer Savarkar Marg,
Park Site, Vikhroli (W), Mumbai 400 079

Phone:022-2085-7272 E:mail@litrum.in www.litrum.in

CIN: U74140MH2013PTC250934

Contact Person: - Prashant Barbade (Mobile- 9975275855)

Issued To: -



Bill of Quantities

Sr. No.	Description	Unit	Qty	Rate (excl. GST)	Total (excl. GST)
A	FIRE DETECTION AND ALARM SYSTEM				
1.0	Microprocessor based 6 loops, Networkable analogue addressable Fire Alarm Control Panel (FACP): Supply, Installation, Testing and Commissioning of Microprocessor based 6 loops, Networkable analogue addressable Fire Alarm Control Panel (FACP). The Panel shall have minimum 640 character LCD/LED display or touchscreen. Each loop shall have a capacity of minimum 250 analog addressable detectors/devices. It shall have multi access levels, flash EPROM, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 2 hours under alarm condition and 60 hours under normal working conditions as required. Fire Alarm Control Panel shall also be supplied with all the required gateways like Modbus/BACnet etc and the required hardware, software, Application Program Interface (API), Software Development Key (SDK) etc. to communicate on open protocol such as Modbus/BACnet etc. for connectivity with the Command and Control Centre. The Panel shall be listed for UL864, 9th Edition / EN54 and comply fully with the detailed specifications set out in Volume I of the tender	Nos.	1		
1.1	Addressable Dual Action Manual Call Station: Supply, Installation, Testing and Commissioning of Addressable Dual Action Manual Call Station (Push in & Pull down Type) in CRCA enclosure	Nos.	30		



Volume-II: Commercial Bid

Design, Supply, Installation, Testing and Commissioning of Fire Detection and Alarm System in SIDBI Office at Swavalamban Bhavan, C-11, G Block, Bandra Kurla Complex, Bandra East, Mumbai

Sr. No.	Description	Unit	Qty	Rate (excl. GST)	Total (excl. GST)
1.2	NOTIFICATION DEVICES: Hooter cum Strobe Lights: Supply, Installation, Testing and Commissioning of Addressable Hooter cum Strobe Lights complete with modules CRCA enclosure.	Nos.	30		
1.3	Initiating Devices: Automatic Floating Sensitivity type Analog addressable Photo thermal smoke detector: Supply, Installation, Testing and Commissioning of Automatic Floating Sensitivity type Analog addressable Photo thermal smoke detector with mounting box, mounting base LED, Address Switch to programme the detectors, complete as required BELOW FALSE CEILING. It shall be UL / EN 54 approved.	Nos.	400		
1.4	Analog addressable Rate of Rise Cum Fixed temperature detector: Supply, Installation, Testing and Commissioning of Analog addressable Rate of Rise Cum Fixed temperature detector with mounting base, LED, Address Switch to programme the detectors complete as required. It shall be UL / EN 54 approved.	Nos.	20		
1.5	Response Indicator: Supply, Installation, Testing and Commissioning of Response Indicator	Nos.	20		
1.6	Repeater Panel: Supply, installation, testing & commissioning of Active Repeater Panel with 40 characters LCD display & required accessories to indicate the status of system and location of incident etc., back-box and control function. It shall be UL / EN 54 Listed	Nos.	1		

Signature of Authorized Signatory: _____



Sr. No.	Description	Unit	Qty	Rate (excl. GST)	Total (excl. GST)
1.7	Addressable Isolation modules: Supply, Installation, Testing and Commissioning of Addressable Fault / Loop isolator module with Surface mounting backbox & required accessories	Nos.	8		
1.8	CABLE: Supply and laying of 2 x 1.5 sq.mm twisted multistrand armoured FRLS cable for Fire Loop etc partially on ceiling/walls with all accessories hardware and fixing materials i.e saddles, screws, MS supports, proper terminations using brass glands/ copper thimbles on various devices, boxes as directed by the Bank's engineer/Consultant as per site requirements.	Mtr	2,000		
1.9	Directional Sounders: Supply, installation, testing and commissioning of UL listed surface type mounted directly on ceiling/ recessed 1/4-1/2 tap changer directional sounders with line matching transformer complete as per specification as required.	Nos.	5		
1.10	Make a connection of Existing Flow Switch to the Addressable Fire Detection and Alarm system contractor to take care of that.	Nos.	9		
1.11	Relay control modules for Ventilation Fans' Panel /AHU's Tripping & Lifts: Supply Installation testing and Commissioning (SITC) of Addressable UL Listed Relay control modules for Ventilation Fans' Panel /AHU's Tripping & Lifts with Address Switch to program the device from 01-159, complete as required	Nos.	16		



Sr. No.	Description	Unit	Qty	Rate (excl. GST)	Total (excl. GST)
1.12	Addressable Control Module which consist of ABS Plastic Type with LED blink in normal condition & continuous glow on fire condition.	Nos	25		
1.13	Addressable Monitor Module which consist of ABS Plastic Type with LED blink in normal condition & continuous glow on fire condition.	Nos	25		
4.0	Removal and dismantling, shifting of material to Basement at designated place and further taking out from building of existing All Fire Alarm System equipment, all other material created while dismantling and reconnection while floor wise Fire Alarm System Installation.	Lump Sum	1 Job		
A	TOTAL FOR FIRE DETECTION AND ALARM SYSTEM (A)				
Less1	Buyback Price for the Existing Apollo make fire alarm system components including, detectors main panel, repeater panels, hooters, MCPs, scraps etc without cabling, after commissioning and stabilization of the new Fire Alarm system as per details of existing devices . Buyback price should be inclusive of cartage charges.	Lump Sum	1 Job		
	TOTAL FOR FIRE DETECTION AND ALARM SYSTEM (A – LESS 1)				

CAMC COSTING

Signature of Authorized Signatory: _____



Sr. No.	Description	Unit	Qty	Rate (excl. GST)	Total (excl. GST)
	[PART "B"]- Comprehensive Annual Maintenance Contract (CAMC)				
1	CAMC cost after initial warranty/DLP of 1 year. The warranty & AMC will be comprehensive and all cost of repairs / replacement of parts, accessories, etc. will be borne by the successful tenderer. The CAMC payments will be released six Monthly after successful completion of the period. Comprehensive AMC includes A) Servicing and maintenance of supplied FAS Equipment, B) Repairing and replacement of any parts/devices/equipments etc . C) Periodical (Monthly/Quarterly, Yearly) servicing etc. The above list is only indicative and agency has to carry out complete preventive and Corrective maintenance to keep the system in the good working condition.	–	–	–	–
a	1. For 1 st year after warranty period	Lump Sum	1 Job		
b	2. For 2 nd year after warranty period	Lump Sum	1 Job		
c	3. For 3 rd Year after warranty period	Lump Sum	1 Job		
d	4. For 4 th Year after Warranty Period	Lump Sum	1 Job		
	TOTAL PART C				



Volume-II: Commercial Bid

Design, Supply, Installation, Testing and Commissioning of Fire Detection and Alarm System in SIDBI Office at Swavalamban Bhavan, C-11, G Block, Bandra Kurla Complex, Bandra East, Mumbai

Sr. No.	Description	Unit	Qty	Rate (excl. GST)	Total (excl. GST)
	TOTAL FOR PART A + B – Less 1				

TOTAL Contract Value (PART A + B – Less 1) in Words: _____

- Note:**
- a. L1 Tender Shall be decided on the Total Cost of Part A + B – Less 1
 - b. **The rates for the items should be quoted exclusive of GST.** GST will be paid additional on the quoted amount as per extant guidelines/ applicability .
 - c. It will be the sole Responsibility of the Tenderer to integrate the new system with existing services, Equipment and Devices.

(Authorised Signatory): _____

Place: _____

Name: _____

Contact No. _____

Company Stamp _____

Date: _____

Signature of Authorized Signatory: _____

**Offered Makes & Models by Tenderers**

<u>Sl. No</u>	<u>Item</u>	<u>Offered Make *</u>	<u>Offered Model</u>
1.	Fire Alarm Control Panel		
2.	Repeater Panel		
3.	Photo thermal smoke detector		
4.	Heat Detectors		
5.	Dual action Manual call point		
6.	Hooter cum strobe lights		
7.	Directional Sounders		
8.	Response Indicator		
9.	FRLS cable		
10	Batteries		
11	Any other Item not mentioned above		

*Refer Volume-I of this tender, Page- 44 for list of Approved Makes.
