



THE WBSCARD BANK LTD.

THE WEST BENGAL STATE CO-OPERATIVE AGRICULTURE & RURAL DEVELOPMENT BANK LTD.

25D, Shakespeare Sarani, Kolkata- 700 017
PBX: 033-2287 1786 /1787 / 1788, 033-2280 6681
FAX: 033-2287 7128
Email: wbscardb@gmail.com, wbscardb@dataone.in

October 21, 2019

NIT No. 1120/Part-X/Admn./ 1338

NOTICE INVITING TENDER

Sealed Tenders are invited from the Government enlisted Contractor or authorised/bonafide Outsiders/Agencies having requisites experience & adequate skill in the field of Fire Protection System in regard to detection of Fire Hazards by way of installation of different Detectors as per Technical Specifications & Schedule/Scope of Works as detailed in the **Annexure-I** enclosed herewith and also as per Broad Terms & Conditions appended below:-

(A) Name of the Work: Supply, Installation, Testing and Commissioning of Smoke Detectors, Heat Detectors, Flame Detectors and Response Indicators having proper connectivity with the newly installed Fire Alarm Panel as detailed/specified in the **Annexure-I** (Schedule/Scope of Works) herewith.

(B) Place of Work: At The Institute of Cooperative Management for Agriculture & Rural Development (ICMARD-10-Storeyed Building) of The West Bengal State Co-operative Agriculture & Rural Development Bank Ltd. located at 14/2, CIT Scheme VIII(M), Ultadanga, Kolkata-700067.

Broad Terms & Conditions and necessary Technical Specifications & other details as specified in the Annexure-I (Schedule of Works):

1. The Quoted rates should be inclusive of Incidental Charges, Transportation Charges, Installation & Commissioning Charges & GST.
2. The Rate should be quoted in figures as well as in words. The columns of Rates and Amount for each item from **SL. No. 1 to 5** as specified in **Annexure-I** (Scope of Works) should be properly filled up and signed with Official Seal at the bottom. Also, the Grand Total Amount be calculated & indicated at the specified column of the **Annexure-I** (i.e. Schedule of Works).
3. The Tenderers may visit the proposed site at the above address and also the Official Website: www.icmard.org before submission of the Tenders.
4. The Tenders must be valid for a period of at least six months from the last date of submission.
5. Tools and tackles including all allied fittings and fixtures for the work should be arranged by the Agency/Contractor at his own cost.
6. The authority of the Institute reserves the right to accept and or reject any or all the Tenders without assigning any reason thereof and also the authority is not bound to accept the Lowest Rate.
7. The Tender in Letter Head, complete in all respect under Sealed Cover must reach the Managing Director, The WBSCARD Bank Ltd., 25D, Shakespeare Sarani, Kolkata - 700017 latest by 31/10/2019 within 5-00 p.m.
8. The Tenderers must furnish the following documents with the Tenders:-
 - (a) Copies of GST Registration Certificate/PAN/TAN.
 - (b) Experience Certificates/Credentials with respect to the captioned works.
9. The Payment will be released on completion of the work to the satisfaction of the authority and on submission of Bill in duplicate.
10. 10% of the Final Bill amount shall be deducted as **Security Deposit** and the amount shall be retained by the authority for at least three months which will accrue no Interest.
11. Time for Completion of the whole work will be within **one month** from the date of receipt of the Work Order.
12. Thorough functional testing work would be conducted by the Agency after successful installation and commissioning of all the Fire Detectors along with testing work on functional activity of the newly installed Fire Alarm Panel. A Testing Certificate in this context should be produced on full completion of the whole work.

Email of Purulia District Office: purulia.wbscardb@gmail.com; Email of Darjeeling District Office: siliguri.wbscardb@gmail.com; Email of ICMARD, Ultadanga: icmard.kol@gmail.com



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13. The Sealed Cover of Quotation/Tender shall be superscribed as "The Quotation/Tender for Supply, Installation, Testing & Commissioning of different Fire Detectors with respect to Fire Protection System".

14. The Quotations/Tender will be liable for rejection in case of violation of any of the above stipulated Terms and Conditions.

(C) Technical Specifications of the whole work:-

(i) SMOKE DETECTORS:

Operating Voltage	Loop 24V(16V~28V)
Standby Current	≤0.8mA
Alarm Current	≤1.8mA (without remote indicator) ≤3.8mA (with remote indicator)
Fire LED	Red, Flash in polling, and Illuminate in alarming.
Remote indicator output	Polarity-sensitive output, directly connect to remote indicator (built in 10k resistor in Series max. output current is 2mA); Flash in alarming and do not illuminate in normal.
Programming	Electronically addressed.
Programming Range	Occupying one address within 1~242.
Setting of sensitivity and range	The sensitivity can be set by programmer with two levels: Level 1(default), level 2.
Wiring	Loop: two wire, polarity-insensitive
Environmental Temperature	-10°C~+50°C
Relative Humidity	≤95%, non-condensing
Material and Color	ABS white (RAL 9016)
Ingress Protection Rating	IP2X
Dimension	Diameter: 100mm, Height: 44.5mm(without base)
Mounting Hole Distance	45mm~75mm
Weight	About 110g

(ii) HEAT DETECTORS:

Operating Voltage	24VDC(16VDC~28VDC)
Standby Current	≤1.6mA
Alarm Current	≤38mA
Sensitivity	Level I
Indicator	Red. Flash in standby condition. Illuminates. steadily in alarm
Detection Angle	≤80°
Monitoring Area	$S=(h \times \tan \alpha)^2 = 2.21h^2$ h: Height from the detector to the ground- 40 degree
Operating Temperature	-20°C~+50°C
Relative Humidity	≤95%, non condensing
Dimension	Diameter: 103mm, Height: 53.5mm (with base) Diameter: 100mm, Height: 41mm (without base)
Material and colour of the Enclosure	ABS, white (RAL 9016)
Weight	About 112g
Mounting Hole Distance	45mm~75mm

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(iii) FLAME DETECTORS:

Operating Voltage	24VDC(16VDC~28VDC)
Standby Current	≤60μA
Alarm Current	≤55mA
Fire LED	Red, periodically flash once in polling when the status is set to "ON"; don't illuminate when the status is set to "OFF". Periodically flash twice in fault; illuminate in Alarming.
Remote Indication Output	Polarity-sensitive, directly connecting with remote indicator (built in 10k resistor in series, maximum output current is 2.0mA); The remote indicator does not illuminate in normal and flashes in alarm.
Class and Setup	Classes A1R, A2S, BS Programmable.
Maximum Ripple Voltage	2V (peak-to-peak)
Alarm Reset	Instantaneous cut-out (10s Min, 1.0VDCMax.)
Wiring	Polarized two wire
Ingress Protection Rating	IP2X
Ambient Temperature	Class A1: -10°C~+50°C Class A2: -10°C~+50°C Class B: -10°C~+65°C
Typical Fixed Temperature	Class A1:58°C Class A2:62°C Class B:77°C
Relative Humidity	95%, non-condensing
Material	ABS
Dimensions	Diameter: 100mm, Height: 53.5mm (with base)
Mounting Hole Spacing	45mm~75mm
Weight	About 110 Kg. (with base)

(iv) RESPONSE INDICATORS:

Should be Dual LED Display Type.


21/10/19

Managing Director


21/10/19



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ANNEXURE- I

(Schedule/ Scope of Works)

SL. No.	Description/Particulars of the Items of Work	Unit	Qty (apprx.)	Rate (Rs)	Amount (Rs)
1.	Supply & Laying 2 Core armoured Cable having specification of 2CX 1.5 sq.mm cable required for different type Fire Detectors i.e. Smoke, Heat, Flame Detectors etc.	Mtr	1,600		
2.	Supply, Installation, Testing & Commissioning of Photo Electric (Optical) Smoke Detectors with base having Digital Optical Detector Flashing LED Algorithms and mapping Drift Compensation 8 Bit Processor with Remote Indicator Output. Make- System Sensor/GST	Each	142		
3.	Supply, Installation, Testing & Commissioning of Photo Electric (Optical) Heat Detectors with base having Innovation Fixed Temperature and rate of Rise Heat Detectors 8 bit Processor with Remote Indicator Output and Magnetic Test Function. Make- System Sensor/GST	Each	3		
4.	Supply, Installation, Testing & Commissioning of Photo Electric (Optical) Flame Detectors with base which should be Conventional Ultraviolet Flame Detectors. Make- GST	Each	3		
5.	Supply, Installation, Testing & Commissioning of Response Indicators with base. Make-Agni/GST	Each	20		
6.	Total Installation Charges for all the items of work under Sl. No. 1 to 5 -	1 Unit		L.S.	
	Total Amount				
	SGST@				
	CGST@				
	GRAND TOTAL				
	The detailed technical specifications & parameters of all the above type of Detectors are furnished above in Sl no. (C)				

N.B. -

(a) The quantity etc. against the Description of Work may vary during execution depending upon actual requirement.

(b) A detailed Layout showing floor-wise location/areas, type of products & required quantity of different types of Fire Detectors as stated in Sl. 1 to 5 may be seen for convenience before submitting the sealed Tenders.

(c) The Tenderer may please make spot inspection to furnish the possible item/quantity etc. and the item-wise rate stating the Total Quoted Price as Rs. _____ (Rupees _____) only.

I/We do hereby accept all the stipulated Terms & Conditions as laid down in the NIT vide No. 1120/Part-III/Admn/1338 dated 21/10/2019.

Signature of the Authorised Signatory
(with Date & Office Seal)

13/10/19

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October 21, 2019

Memo No.1120/Part-X/Admin/ 1338/1(4)

Copy forwarded for information and necessary action to:-

1. The Principal, ICMARD, Block-14/2, CIT Scheme-VIII (M), Kolkata-700067.
- ✓ 2. Miss Sanchari Mitra, Manager & AFM, ICMARD, with the request to upload this NIT in the official website of The WBSCARD Bank Ltd. (www.icmard.org).
3. Display on the Notice Board of The WBSCARD Bank Ltd.
4. Display on the Notice Board of ICMARD.


21/10/19

Managing Director


21/10/19