

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE (VSSC)
THIRUVANANTHAPURAM**

**Tender for Design Installation commissioning and testing of fire alarm
and detection system for Main Buliding,VRC**

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT III (SPRE)/VS202100341901 dated 09-09-2021

A. Tender Details

Tender No :	VSSC/PURCHASE UNIT III (SPRE)/VS202100341901
Tender Date :	09-09-2021
Tender Classification:	GOODS
Purchase Entity :	PURCHASE UNIT III (SPRE)
Centre :	VIKRAM SARABHAI SPACE CENTRE (VSSC)

Procurement of Design Installation commissioning and testing of fire alarm and detection system for Main Buliding,VRC

1.This is a Two-Part tender i.e. Techno Commercial (Containing Documents Solicited Vendor [available in Bid forms] & Vendor Specified Terms) and Price Bid. Hence all technical & commercial details shall be furnished in the Documents Solicited from Vendor & Vendor Specified Terms Fields while price shall be indicated only in the Price Bid.

2.IMPORTANT NOTE: This being a Two Part Tender, Cost/rates shall only be mentioned in the Price Bid Only. All the documents being uploaded like quote split up details etc. should not contain the rates/costs. However a copy of your PRICE BID WITHOUT PRICE SHALL BE UPLOADED in the Documents Solicited from the Vendor Field[available in Bid forms] TO KNOW THE PATTERN OF QUOTE.[ENSURE NOT TO MENTION ANY PRICE,OTHERWISE THE QUOTE WILL BE INVALID.

3.Foreign vendors are not permitted to quote. Quotations directly from foreign OEM/ or from agents quoting on behalf of foreign OEMs will not be considered for evaluation.

4.Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.

5.Preference will be given to Class-I Local Supplier and in their absence, Class-II Local Supplier will be considered.

6.The percentage of local content should be specifically mentioned in the offer, without which it will be summarily rejected.

7.Offer Validity: 180 days [120 days from the date of opening of Part I and 60 days from the date of opening of Part II] [for Two Part Tender]

8. Total scope of order is integrated one and hence L1 will be decided on total cost.

A.1 Tender Schedule

Bid Submission Start Date : 09-09-2021 17:00

Bid Clarification Due Date : 23-09-2021 14:00

Bid Submission Due Date : 11-10-2021 14:00

Bid Opening Date : 11-10-2021 14:05

Price Bid Opening Date : 31-03-2022 08:19

B. Tender Attachments

Technical Write-up/Drawings

Document : Annexure IV Compliance Checklist

Document : Annexure-I TENDER TECHNICAL SPECIFICATION

Document : Scope of work

Document : Annexure-III BILL OF MATERIALS

Document : Annexure-II APPROVED MAKE

Instructions To Vendors

6. Specific Terms and Conditions to Tender (detailed)

1. The other attached forms are our standard terms and conditions, which are to be complied with. If any conflict arise between the specific terms and standard terms, then in those cases, the specific terms will prevail over the standard terms.
2. Where agents participate in a tender;
 - (a) Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
 - (b) If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
3. Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.
4. If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
5. In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre / Udyog Adhar / NSIC Registration Certification along with your offer.
6. Note: SD, LD and PBG clauses are mandatory and offers of the vendors who have not agreed for the above conditions will be excluded from the procurement process. Micro and Small Vendors are not

exempted from the submission of Security Deposit. Only Govt Departments/PSUs/PSEs can submit Indemnity Bond instead of Bank Guarantee towards SD/PBG.

7. Security Deposit: Wherever the offer value is Rs. 5.00 Lakhs or above, the successful tenderer should submit Security Deposit @ 3% of the order value by way of Bank Guarantee / FD Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of all contractual obligations. If the Contractor is called upon by the Purchaser to deposit, Security and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor. In case if Security Deposit is submitted and the contractor fails to execute the order, then the security deposit will be forfeited.

8. Performance Bank Guarantee: Wherever products offered carry warranty, the warranty should be for one year or as per manufacturers standard warranty term. Against such cases, please confirm submission of Performance Bank Guarantee. The Performance Bank Guarantee should be for 3% of the order value covering the warranty period obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of the warranty period. Alternately vendors can request for withholding 3% payment till completion of the warranty period.

9. Liquidated Damages: The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.

10. Our standard payment term is 100% within 30 days for indigenous orders and Sight Draft for foreign orders.

11. In case of Foreign/Import Tenders:

- a. The bidder shall clearly mention the full ordering address in capital letters.
- b. The bidder shall clearly mention their bankers address including their SWIFT code compulsorily.
- c. Any change of address shall be compulsorily supported by Documentary proof issued either by Governmental agencies or by Chamber of Commerce.

d. Foreign

Principal's Proforma Invoice/quote indicating the Agency Commission payable to the Indian Agent and the nature of after sales service to be rendered by the Indian Agent.

e. Copy of the Agency Agreement between the Foreign Principal and the Indian Agent, and the precise

relationship between them their mutual interest in the business.

f.Registration and Item empanelment of the Indian Agent.

12. Likewise, while executing the Purchase Order/Contract; the Indian Trader shall mandatorily submit the following:

a.High Sea Sale Agreement.

b.Invoice pertaining to the Indian Trader in INR and the invoice of the foreign vendor in foreign currency.

13. In case if any Bidder is submitting their Offer on HIGH SEA SALES BASIS: then the Indian Trader shall submit the following documents mandatorily along with their offer.

a.The Import Export Code of the Indian Trader

b.Bank Authorization Code of the Indian Trader

c.GSTIN of the Indian Trader

14. As per Notification No. 5/2018-CUSTOMS DTD. 25/01/2018, we are eligible for concessional payment of customs duty and IGST. Hence CD & IGST element shall be specified separately in the quotation. Necessary exemption certificate shall be issued upon request.

15. Our standard delivery term is FOR, VSSC. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lumpsum amount.

16. Please quote applicable GST separately.

(a)We are eligible for partial exemption of IGST vide Notification No: 47/2017-Integrated Tax (Rate) dtd 14/11/2017 and 45/2017-Central Tax (Rate) dtd 14/11/2017 issued by Dept. of Revenue, Ministry of Finance. Necessary Exemption Certificates will be issued on demand.

(b)We are eligible for partial exemption of CGST and SGST vide Notification No: 45/2017 dtd 14/11/2017 and No: 169/2017/TAXES dtd 15/11/2017 respectively. Necessary Exemption Certificates will be issued on demand.

17. The offer should be valid for a period of minimum 90 days from the date of opening of Tender.

18. Please upload the Technical Details / Catalogue / Data Sheets (wherever applicable)

7. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA

1. Any bidder from a country which shares a land border with India will be eligible to bid in this tender, only if the bidder is registered with the Competent Authority.

Competent Authority for the purpose of registration shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal

Trade (DPIIT).

2.

Validity of Registration: Registration should be valid at the time of submission of bids and should be valid at the time of placement of order.

3. Any false declaration and non-compliance of the above would be a ground for immediate rejection of offer or termination of the contract and further legal action in accordance with the laws.

8. PPP Make in India(Non- Divisible Items-Class I & II Local Suppliers Only)

1. In line with Public Procurement (Preference to Make in India), Order 2017 & its amendments issued by Govt. of India from time to time with a view to support the Indian industries, ISRO has implemented "Purchase Preference Policy". The "Purchase Preference" is applicable for the "Class-I Local Supplier" for the goods/ services/ works covered in this tender, subject to the following terms & conditions:-

2. a) The subject item falls under Non-divisible category. b) The offers sought only from Class-I & Class-II local suppliers

3. Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: i. Equal to or more than 50%: Class-I local supplier. ii. More than 20% but less than 50%: Class-II local supplier. iii. Less than or equal to 20%: Non-local supplier.

4. 'Local content' means the amount of value added in India (i.e. indigenous items/services added in the offered products/ services/ works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent.

5. The margin of Purchase Preference shall be up to 20%.

6. 'Margin of purchase preference' means the maximum extent to which the price quoted by the "Class-I local supplier" above the L1 (landed cost).

7. 'L1' means the lowest technically accepted tender / bid / quotation (i.e. lowest landed cost including duties, taxes and freight & Insurance).

8. Works means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'. Works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.

9. Purchase Preference Policy:- Goods/Works which are not divisible (ie., required quantity is 1 or as a package) and Services:

a) If L1 is from a 'Class-I local supplier', the contract will be awarded to L1 bidder.

b) If L1 is not from a 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).

c) In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on, and order/contract shall be awarded accordingly. In case where none of the 'Class-I local supplier' within the margin of purchase preference agree to match the L1 price, then the order/contract shall be awarded to the original L1 Bidder.

10. The 'Class-I & II local supplier' should provide a "Self Certification" along with technical offer indicating that the item offered meets the minimum local content [as per Sl. No.(3)] as called for in the tender and provide the percentage of local content along with details of the location(s) at which the local value addition is made. In case of two bid tenders, it is mandatory to indicate compliance to MLC(minimum Local Content) in technical bid zone.

11. In cases the quoted price is in excess of Rs.1000 Lakhs (including duties, taxes and freight & Insurance) the 'Class-I & II local supplier shall provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in case of suppliers other than companies) giving the percentage of local content.

12. A committee (with an external expert from a practicing cost accountant or practicing chartered accountant, if required) constituted for independent verification shall verify the self-declarations & auditor's / accountant's certificates on random basis, as per the requirements.

13. The ink-signed certificate shall be provided on vendors letter head along with the offer (in case of online tender, copy of ink-signed certificate shall be uploaded along with your offer under concerned tab. Original in Hard copy shall be produced on request). In case of non-submission of certificate, the purchase preference shall not apply.

14. In case of a complaint received from any local supplier indicating a need for review / verification of Local content of successful vendor / awarded vendor, for accepting a complaint from such complainant (w.r.t the false declaration given by the successful vendor on the local content), a complaint fee of Rs.2Lakhs or 1% of the locally manufactured items being procured (subject to a maximum Rs. 5Lakhs), whichever was higher, to be paid by demand draft by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

15. False declarations will be in breach of code of the integrity for which a bidder or its successor's will not be eligible/debarred for purchase preference from further tenders / pending tenders for two years along with other actions as may be applicable.

16. The Public Procurement (Preference to Make in India), Order 2017 issued by Govt. of India indicates that if there are any general or specific restrictive clauses to restrict participation of Indian companies in those countries procurement tenders, reciprocity clause need to be invoked as per the order. Hence, if ISRO or Govt. of India come across that Indian suppliers of an item are not allowed to participate and / or compete in procurement by your government, the bid submitted by you will be not be considered and excluded from eligibility for procurement. Please note this point.

9. Instructions to Vendors

1. This is an E Tender. Hence Postal/Fax/Email tenders will not be accepted.

2. Last minute clarification on tenders will not be entertained.

10. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER where the indent value is Rs. 2.00 lakhs & above for indigenous stores items

1. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/delivery at site.

2. REJECTED STORES:

Rejected stores will remain at destination at the Contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

3. The term 'Stores' shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.

4. SECURITY DEPOSIT: Wherever, the Purchase Order value is Rs. 5.00 Lakhs or more, on acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding ten percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, 'Security' and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores

Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause regarding Delivery. (b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

5. Sales Tax and/or other duties/levies legally leviable and intended to be claimed should be mentioned in the price bid template. If nothing is mentioned, then it will be presumed that the rate quoted is inclusive of all taxes/duties.

6. TERMS & CONDITIONS OF TENDER

7. TEST CERTIFICATE: Wherever required, test certificates should be sent along with the despatch documents.

8. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.

9. The authority of the person signing the tender, if called for, should be produced.

10. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

11. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
(d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

12. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

13. The term Contractor shall mean, the person, firm or company with whom or with which the order for

the supply of Stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.

14. The term Purchaser shall mean the President of India or his successors or assigns.

15. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.

(d) Specifications: Stores offered should strictly conform to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

16. ACCEPTANCE OF STORES:

(a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost.

(b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.

(c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.

(d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

17. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.

18. DESPATCH: The Contractor is responsible for obtaining a clear receipt from the Transport

Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

19. GUARANTEE & REPLACEMENT:

(a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance.

(b) For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty.

(c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof.

(d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.

(e) The decision of the Purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the Purchaser, as to whether or not the Stores supplied by the Contractor are defective or any defect has developed within the said period of 12 months or any other period or as to whether the nature of defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.

(f) To fulfill guarantee conditions outlined in (a) to (e) above, the Contractor shall, at the option of the Purchaser, furnish a Bank Guarantee (as prescribed by the Purchaser)

20. PACKING FORWARDING & INSURANCE: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

21. PRICES: Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

22. a) Your offer should be valid for 90 days from the date of opening of the tender.

b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

23. d) The term 'Purchase Order' shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

C. Bid Templates

C.1 Technical Bid - Design Installation commissioning and testing of fire alarm and detection system for Main Buliding,VRC

1. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:Supply of Intelligent Addressable Fire Alarm Control Panel with Loop cards along and SMF batteries in a weather proof enclosure as per tender specification.

Document : FACP

2. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:Charges for Installation, testing & commissioning of Intelligent Addressable Fire Alarm Control Panel asper tender specification.

3. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:Charges for building design and verification of signals in SCADA at VSSC fire station

4. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:Supply of Multi sensor Fire Detector as per tender specification.

Document : Multi sensor Fire Detector

5. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of Multi sensor Fire Detector asper tender specification

6. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Duct Detector as per tender specification.

Document : Duct detector specification

7. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of Duct Detector asper tender specification

8. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of sounder as per tender specification.

Document : Sounder

**9. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Charges for Installation of sounder as per tender specification**

**10. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Supply of Fault Isolators as per tender specification.**

Document : Fault Isolator

**11. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Charges for Installation of Fault Isolators as per tender specification.**

**12. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Supply of Manual Pull Station as per tender specification.**

Document : Manual Pull Station

**13. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Charges for Installation of Manual Pull Station as per tender specification.**

**14. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Supply of Response Indicator as per tender specification**

Document : Response Indicator

**15. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Charges for Installation of Response Indicator as per tender specification.**

**16. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Supply of Addressable RELAY module for interfacing A/C tripping as per tender specification.**

Document : RELAY module

17. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:

Charges for Installation of Addressable RELAY module for interfacing A/C tripping as per tender specification.

18. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Supply 2 core X 1.5 sq.mm ,multi stranded, copper conductor, FRLS aluminum mylar shielded unarmoured cable as per latest standard

Document : CABLES

19. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:Charges for installation of 2 core X 1.5 sq.mm , multi stranded, copper conductor, FRLS aluminum mylar shielded unarmoured cable inside FRLS conduit.

20. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of UPVC mini cable trunking as per site requirement.

21. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of FRLS PVC conduit Medium Grade as per site requirement.

22. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Digital Signal Voice Alarm Controller as per tender specification.

Document : Digital Signal Voice Alarm Controller

23. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Intallation of Digital Signal Voice Alarm Controller

24. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of False celing speaker as per tender specification.

Document : False celing speaker

25. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: charges for installation of False celing speaker as per tender specification.

**26. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
Supply of Wall mounted speaker**

Document : Wall mounted speaker

**27. Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:
charges for installation of wall mounted speakers as per tender specification.**

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply, Installation, testing and commissioning of Fire Detection and Alarm System (FDAS) with intelligent addressable multi sensor fire detectors, Manual Pull Stations, Voice alarm controller & its associated accessories mentioned below.		-		
2	The proposed fire detection and alarm system (FDAS) shall cover in different rooms of main building. The respective FDAS panel shall be planned at the centralized location at main building		-		

3	<p>The FDAS panel shall be networked with Modbus TCP/IP protocol with Modbus TCP/IP Converter for interfacing with SCADA and status of all devices & FDAS shall be available in the Centralized control room at VSSC Fire station.</p>		-		
4	<p>The new system shall be connected to LAN junction boxes and providing LAN junction point is under the scope of VSSC.</p>		-		
5	<p>The supply & installation of the entire FDAS shall conform to IS 2189 / BS 5839 / NFPA 71 & 72 / TAC norms. All equipment and systems shall be tested and approved by UL/FM/relevant IS/EN Standard.</p>		-		
6	<p>The system shall be designed such that each loop shall limited to only 80% of its total capacity at initial installation.</p>		-		

7	Necessary additional power supplies required for sounders/control modules/relay modules apart from FDAS panel shall be provided by the bidder		-		
8	All equipment/components shall be new & the manufacturer's current model.		-		
9	The materials, appliances, equipment and devices shall be tested and listed by a nationally recognized approvals agency for use as part of a protected premises protective signaling system		-		
10	The system integrator of the manufacturer of the equipment, such as FDAS control panel, shall be responsible for the satisfactory installation of the complete system.		-		

11	The bidder shall clearly specify the manufacture name (Make & model) proposed in the quote and submit the all technical specifications and catalogues for same along with the offer.		-		
12	All equipment and components shall be installed in strict compliance with each manufacturer's recommendations. The installation shall comply to the manufacturer's installation manuals for all wiring diagrams, schematics, physical equipment sizes, etc.		-		
13	All equipment shall be attached to walls and ceiling/floor assemblies and shall be held firmly in place. Fasteners and supports shall be adequate to support the required load.		-		

14	At detector and sounder locations, cables should be terminated in approved galvanized junction boxes. All other devices forming part of the system should utilize dedicated /custom back boxes.		-		
15	FDAS panel, power supplies and digital voice controller shall be enclosed in a weather proof enclosure and suitable ventilation provision shall be provided.		-		
16	All the minor civil works like plastering of drilled holes, refixing of removed panels shall be done by the bidder and no extra payment shall be made.		-		
17	Necessary batteries required for the installation of the fire alarm system shall be supplied by the bidder.		-		

18	A successful bidder has to submit detailed general layout drawing showing the position of the detectors and distance of the detectors considered during design and drawing shall be got approved by the Department before the commencement of the work.		-		
19	VSSC reserves right to suggest modification in the design and same need to be incorporated during drawing approval.		-		
20	All the detectors installed above false ceiling shall be provided with response indicators. Fault isolators shall be provided after each loop card, before the first device and one isolator module shall be provided after each twenty devices.		-		

21	The bidder shall ensure that the fire alarm panel shall have inbuilt support connectivity to third party software's through MODBUS (TCP/IP) and it shall be capable of transferring all the signals remotely to the fire station.		-		
22	The FDAS panel shall have facility such that interactions between any applications can be configured, and modified using inbuilt keyboard in the panel.		-		
23	It shall not be manufacturer dependent for adding new devices or modifying the existing devices connected to the FDAS. It's a mandatory requirement and fire alarm panel without this facility shall not be considered		-		

24	The offered components (FDAS panels, detectors, sounders, manual call Pull station) shall conform and shall have certification by at least one of the following: VdS (Germany), UL (USA), FM (USA), & LPCB (UK).		-		
25	All the passwords and software supplied by the manufacturer or which is mandatory required for the future modification in the FDAS shall be supplied by the bidder.		-		
26	The FDAS panel and Modbus shall be protected with surge protector of suitable rating.		-		
27	Bidder Shall integrate the FDAS panel signals to the SCADA software available in the VSSC fire station through locally available intranet.		-		
28	Details to be displayed in the SCADA shall be finalized in consultation with Engineer in charge, VSSC after release of P.O		-		

29	As a basic requirement, building room layout with position of detectors, audio/ video visual popup message in case of activation of detectors/ fault of detectors and fault in the FDAS panel shall be provided in the SCADA display.		-		
30	Design of the building layout and position of detectors in SCADA display and connecting the FDAS panel to SCADA is under the scope of the bidder. The necessary tags for the design in SCADA shall be shared with bidder after the award of the P.O.		-		
31	The Bidder shall carryout the design of the layout inside VSSC.		-		

32	<p>The Main Building houses important offices such that the installation of devices on normal working days may get delayed due to meetings. Activity has to be plan on Saturdays and Sundays also,so that the activity can be completed within the schedule.</p>				
33	<p>The bidder shall supply the suitable size UPVC mini trunking with all fixing materials for the cables and medium grade FRLS PVC conduit with all fixing materials based on the actual site requirement and the payment shall be against the actuals.</p>				
34	<p>The total system shall be warranted for one year from the date of commissioning and acceptance at the site by the bidder. The warranty certificate from the manufacturer shall also be provided by the bidder.</p>				

35	A bill of material is provided as Annexure-III. The quantity mentioned in the BOM is tentative only. The bidder shall quote rate for a unit quantity against each item (per item rate). This rate will be used for cost comparison of the received offers.		-		
36	This rate will become the basis for amending the order for an unlikely scenario where the quantity may need a minor upward revision during the design stage.		-		
37	Any other item not listed in the BOM but required for the functioning of the system must also be quoted separately.		-		
38	The Bidder shall make a site visit for assessing the quantum of work and location of the rooms if required; interested parties shall contact Purchase & Stores Officer, VSSC for arranging the necessary entry pass.		-		

39	The Bidder shall meet the qualification criteria as per tender specification document, Section-3		-		
40	The bidder shall follow all the test/inspction procedures as per the tender specification document, Section-4		-		
41	The bidder shall furnish all necessary documents as mentioned in Section-5 of tender specification document.		-		
42	The bidder shall provide 12 months warranty for the entire system as per Section-6 of tender specification document.		-		
43	Bidder shall impart comprehensive training to VSSC Personnel at site during commissioning .		-		
44	All safety measures as required to be adopted as per Section-8 of tender specification document.		-		

Supporting Documents required from Vendor

1. Compliance Checklist asper Annexure-IV

2. stipulated documents in support of fulfillment of above qualifying criteria. Non-submission or incomplete submission or false information of documents may lead to rejection of offer.

3. 3.6The Bidder shall submit a copy of GST registration and remittance details of the last paid GST.

4. 3.5The Bidder shall submit a copy of PAN & TAN Cards.

5. 3.4The Bidder shall furnish copy of audited Balance Sheet, IT Returns for the last Five years (2016-17, 2017-18,2018-19, 2019-20 & 2020-21).

6. Documentary evidence as section 3.3 of Pre Bid Evaluatiuon Criteria

7. a copy Company's registration certificate / Certificate of incorporation / Partnership Deed / Any other registration certificate (as applicable).

8. Documentrary evidence for having minimum of FIVE years of experience in the relevant field of Installation, commissioning and testing of addressable fire alarm & detection system.

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Taxes and other costs, if any . [Note: VSSC is a Public Funded Research Institution under the administrative control of Department of Space and is eligible for partial exemption of IGST @5% vide Notfn No. 45/2017, 47/2017 dt 14.11.2017 respectively. Necessary IGST EXEMPTION CERTIFICATE shall be issued.]	Yes / No / Explain	
2	Security Deposit (Applicable if Offer Value is Rs. 5 Lakhs or above. MSME/NSIC Units are NOT EXEMPTED from the payment of SD. Bank Guarantee @ 3% of Order Value valid till 60 days from the date of supply to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indemnity Bond in lieu of BG. In the event of non-performance of contractual obligations, SD will be forfeited).	Yes / No / Explain	
3	Delivery Terms.	Yes / No / Explain	
4	Delivery Period	Yes / No / Explain	
5	Liquidated Damages (Applicable beyond the delivery period mentioned in this tender @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value. Mandatory compliance required).	Yes / No / Explain	
6	Warranty	Yes / No / Explain	
7	Performance Bank Guarantee (PBG) Bank Guarantee @ 3% of Order Value valid till the completion of warranty period plus 2 months claim period to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indemnity Bond in lieu of BG. In the event of non-performance of warranty obligations, PBG will be forfeited).	Yes / No / Explain	

8	<p>Payment Term: (Our Defalut payment term: For indigenous orders: 100% within 30 days after receipt and acceptance of item at our site. For import cases: 100% by Sight Draft with Bank Charges to respective accounts. NOTE: CONSEQUENT TO COVID 19 PANDEMIC AND AS PER EXTANT GUIDELINES FROM DEPARTMENT OF SPACE, NO ADVANCE PAYMENT IS PAYABLE TO THIS TENDER).</p>	Yes / No / Explain	
9	<p>Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: a)Equal to or more than 50% : Class-I local supplier. b)More than 20% but less than 50% : Class-II local supplier. c)Less than or equal to 20% : Non-local supplier. Mention your category.</p>	Yes / No / Explain	
10	<p>Local content means the amount of value added in India (i.e. indigenous items/services added in the offered products/services/works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent. Indicate extent of Minimum Local Content in offered product/service and location of such value additions.</p>	Yes / No / Explain	
11	<p>The Class-I & II local supplier should provide a Self Certification along with your offer in PDF format indicating that the item offered meets the minimum local content as called for in the tender as mentioned above and provide the % of local content along with details of the location(s) at which the local value addition is made. In case of two part tenders, it is mandatory to indicate compliance to MLC(minimum local content) in technical bid itself. Confirm attachment of Self declaration along with the offer.</p>	Yes / No / Explain	
12	<p>PO Placement Address (with Name and Contact Details of sales person concerned).</p>	Yes / No / Explain	
13	<p>Any Other Terms</p>	Yes / No / Explain	

14	Offer Validity	Yes / No / Explain	
15	Whether registered in PFMS? If yes, provide PFMS Unique Code. If not, please provide the following details: IFSC Code, Bank details, copy of Personalized cheque leaf in the name of the Purchase Vendor or NEFT Mandate form duly endorsed by the Bank of the Vendor. Necessary supporting documents may be uploaded. (Applicable only to Indian VENDORS)	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Intelligent Addressable Fire Alarm Control Panel with Loop cards along and SMF batteries in a weather proof enclosure as per tender specification.	1.00 Nos.		-		
2	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation, testing & commissioning of Intelligent Addressable Fire Alarm Control Panel as per tender specification.	1.00 Nos.		-		

3	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:Charges for building design and verification of signals in SCADA at VSSC fire station	1.00 Nos.					
4	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:Supply of Multi sensor Fire Detector as per tender specification.	200.00 Nos.					
5	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of Multi sensor Fire Detector as per tender specification	200.00 Nos.					
6	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Duct Detector as per tender specification.	4.00 Nos.					

7	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of Duct Detector as per tender specification	4.00 Nos.					
8	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of sounder as per tender specification.	5.00 Nos.					
9	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of sounder as per tender specification	5.00 Nos.					
10	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Fault Isolators as per tender specification.	12.00 Nos.					

11	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of Fault Isolators as per tender specification.	12.00 Nos.				
12	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Manual Pull Station as per tender specification.	6.00 Nos.				
13	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of Manual Pull Station as per tender specification.	6.00 Nos.				
14	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Response Indicator as per tender specification	30.00 Nos.				

15	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of Response Indicator as per tender specification.	30.00 Nos.		-		
16	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Addressable RELAY module for interfacing A/C tripping as per tender specification.	4.00 Nos.		-		
17	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Installation of Addressable RELAY module for interfacing A/C tripping as per tender specification.	4.00 Nos.		-		

18	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Charges for Supply 2 core X 1.5 sq.mm ,multi stranded, copper conductor, FRLS aluminum mylar shielded unarmoured cable as per latest standard	1900.00 m		-		
19	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System:Charges for installation of 2 core X 1.5 sq.mm , multi stranded, copper conductor, FRLS aluminum mylar shielded unarmoured cable inside FRLS conduit.	1900.00 m		-		

20	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of UPVC mini cable trunking as per site requirement.	1000.00 m				
21	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of FRLS PVC conduit Medium Grade as per site requirement.	900.00 m				
22	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Digital Signal Voice Alarm Controller as per tender specification.	1.00 Nos.				
23	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Intallation of Digital Signal Voice Alarm Controller	1.00 Nos.				

24	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of False ceiling speaker as per tender specification.	10.00 Nos.					
25	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: charges for installation of False ceiling speaker as per tender specification.	10.00 Nos.					
26	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: Supply of Wall mounted speaker	5.00 Nos.					
27	Design, Supply, Installation and Commissioning of Fire Detection and Alarm System: charges for installation of wall mounted speakers as per tender specification.	5.00 Nos.					

Common charges (Applicable for all items)

Freight charge	
P&F Charges	