INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS, NEW DELHI - 110016

NAME OF WORK	:	**S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi.**
ESTIMATED COST	:	**2,82,88,100.00**
EMD	:	**5,65,762.00 (No exemption allowed)**
N.I.T. No.	:	**146/71/2022/IITD/EW/2022-23**
Date of Opening	:	**16.02.2024 at 03.00 PM**

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

Name of Work: **S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi.**

NIT for the above work has been prepared with the following:

1	Amount of NIT	:	**2,82,88,100.00**
2	Earnest money	:	**5,65,762.00 (No exemption allowed)**
3	Completion time	:	09 Months
4	Last date of submission (online)	:	Up to 03:00 PM of 15.02.2024
5	Date of opening	:	16.02.2024 at 03.00 PM
6	Form of NIT	:	IITD - 8
7	Schedule applicable	:	DSR/Market Rate
8	Material stipulated	:	As per Schedule of Work
9	Chargeable head	:	35.01.02 (IOE)
10	Estimate no.	:	IITD/DB/0146
11	Work code no.	:	2021/006/0146
12	NIT No.	:	146/71/2022/IITD/EW/2022-23
13	Type of work	:	**Works of up-gradation / Maintenance**

Certified that this NIT contains **1** to **56** pages.

NIT amounting to Rs. **2,82,88,100.00** is approved.

EE (ED-I) **JE(E)**

INSTITUTE ENGINEER

INDIAN INSTITUTE OF TECHNOLOGY DELHI

HAUZ KHAS, NEW DELHI - 110016

NOTICE INVITING E-TENDER

IITD/WORKS(SP-4534)/2023

Executive Engineer (Electrical Division-I), Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110016, Ph. No. 011-2659 8437 on behalf of Board of Governors invites online **Item Rate Tender** from Firms/ Contractors Registered in appropriate class and category with **CPWD, MES, BSNL and Railways and Specialized Agency** as per details given below.

1	Name of work	**:**	**S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi.**
2	NIT No.	**:**	**146/71/2022/IITD/EW/2022-23**
3	Estimated Cost (₹)	**:**	**2,82,88,100.00**
4	Earnest Money Deposit (₹)	**:**	**5,65,762.00**
5	Period of completion	**:**	**09 Months (SITC) & AMC (1+5) yrs.**
6	Last date & time of bid submission	**:**	**15.02.2024 at 15.00 Hrs.**
7	Performance Bank Guarantee	**:**	**3 percent of the tendered amount**

The bid forms and other details may be downloaded from Central Public Procurement Portal (http://eprocure.gov.in/eprocure/app). Aspiring bidders who have not enrolled / registered in e-procurement should enrol / register themselves before participating through web site http://eprocure.gov.in/eprocure/app. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at "Instructions for online bid submission."

Bidders can access quotation / tender documents on the website (for searching in the NIC site), kindly go to quotation search option and type 'IIT'. Thereafter, click on "GO" button to view all IIT quotations. Select the appropriate quotation / tender and fill them with all relevant information and submit the completed Quotation / Tender document online on the website http://eprocure.gov.in/eprocure/app as per the schedule given in the next page.

No manual bids will be accepted. All bids (both Technical & Financial) should be submitted in the e-procurement portal.

Executive Engineer (ED-I)
For & on behalf of BOG, IIT Delhi.

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

Ch. Head : Renovation (Research Facility and Housing) 35.01.02(IOE)
Work Code : 2021/006/0146

Copy to:-
1. Junior Engineer (E)
2. D.A. (Works Accounts)
3. D.R. (A/C)
4. A.R. (Store Purchase Section)
5. Notice Board
6. Website Administrator, IIT Delhi
7. Office copy

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C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

SCHEDULE

1	Name of organisation	**:**	Indian Institute of Technology, Delhi
2	Tender / Quotation type (open / limited / EOI / auction / single)	:	Open
3	Tender / Quotation category (services / goods / works)	**:**	Goods & Works
4	Type of Contract (work / supply/ auction / service / buy / empanelment / sell)	**:**	Work & Supply
5	Form of contract (IITD – 7/8)	**:**	IITD – 8
6	Work Category (civil / electrical / fleet management / computer systems)	**:**	Electrical
7	Is multi-currency allowed?	**:**	No
8	Date of publishing / issue / start	**:**	06.02.2024 at 16.00 Hrs.
9	Document download start date	**:**	06.02.2024 at 16.00 Hrs.
10	Document download end date	**:**	15.02.2024 at 15.00 Hrs.
11	Date & time of pre-bid meeting	**:**	No pre-bid meeting be held
12	Venue of pre-bid meeting	**:**	NO
13	Last date & time of uploading of bids	**:**	15.02.2024 at 15.00 Hrs.
14	Date & time of opening of Technicalbids	**:**	**16.02.2024 at 15.00 Hrs.**
15	Tender fee	**:**	Free of cost
16	Earnest Money Deposit (EMD) ₹	**:**	**5,65,762.00**
17	Mode of payment of EMD	**:**	Can be paid through RTGS/NEFT. IIT Delhi Bank details are as under: Name of the Bank A/C : IITD Revenue Account SBI A/C No. 10773572622 Name of the Bank : State Bank of India, IIT Delhi, Hauz Khas, New Delhi-110016 IFSC Code : SBIN0001077 MICR Code 110002156 Swift No. : SBININBB547 (This is mandatory that UTR Number is provided in the on-line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-II) **OR** Demand Draft favouring **Registrar, IIT Delhi** Payable at SBI, IIT Delhi Branch. **Scanned copy of DD needs to be uploaded along with the Technical Bid.** Original DD shall have to be submitted to the tender inviting authority by the bidder as and when required

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

			After openingof bid.
17	Bid without EMD / Non-submission of original DD	**:**	To be considered as UNRESPONSIVE and bid shall summarily be rejected
18	No. of bids / covers (1 / 2 / 3 / 4)	**:**	**2**
19	Address for communication	**:**	Executive Engineer (Electrical), Works Department, IIT Delhi, Hauz Khas, New Delhi – 110016
20	Contact No.	**:**	011 2654 8437
21	e-mail address for communication	**:**	aashish@admin.iitd.ac.in

INSTRUCTIONS FOR ONLINE BID SUBMISSION

As per the directives of Department of Expenditure, this quotation / tender document has been published on the Central Public Procurement Portal (URL: http://eprocure.gov.in/eprocure/app). The bidders are required to submit softcopies of their bids electronically on the CPP portal, using valid Digital Signature Certificates (DSC). The instructions given below are meant to assist the bidders in registering on the CPP portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP portal.

More information useful for submitting online bids on the CPP portal may be obtained at http://eprocure.gov.in/eprocure/app

REGISTRATION

1. Bidders are required to enrol on the e-procurement module of the Central Public Procurement portal (URL: http://eprocure.gov.in/eprocure/app) by clicking on the link, "click here to enrol". Enrolment on the CPP portal is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts.
3. Bidders are advised to register their valid e-mail address and mobile number aspart of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (class 2 or class 3 certificates with signing key usage) issued by any certifying authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.) with their profile.
    - Only one valid DSC should be registered by a bidder. Please note that bidders are responsible to ensure that they do not lend their DSCs to others which maylead to misuse.
5. Bidder then logs into the site through the secured log-in by entering their user ID / Password and the password of the DSC / eToken.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP portal to facilitate bidders to search active tenders by several parameters. These parameters could include tender ID, organization name, location, date, value, etc. There is also an optionof advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. The tenders can be moved to the respective "My Tenders" folder. This would enable the CPP portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each other, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bids. Please note the number of covers in which the bid documents have to be submitted. Any deviations from these may lead to rejection of the bids.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF /XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black & white option.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provisionof uploading such standard documents (e.g. PAN card copy, annual reports, auditor's certificates, etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that he / she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder has to select the payment option as "on-line" to pay the tender fee / EMD

as applicable and enter details of the instrument. Whenever, EMD / Tender fees is sought, bidders need to pay the tender fee and EMD separately on-line through RTGS (Refer to Schedule, Page no. 3)

4. A standard BOQ Format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BOQ file, open it and completethe white coloured [unprotected] cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it online, without changing the filename. If the BOQ file is found to be modified by the bidder, thebid will be rejected.

   OR

   In some cases, financial bids can be submitted in PDF format as well (in lieu of BOQ).

5. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
6. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorised persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
7. The uploaded tender documents become readable only after the tender opening by the authorised bid openers.
8. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
9. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

1. Any queries relating to tender document and the terms and conditions contained therein should be addressed to the tender inviting authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP portal in general may be directed to the 24 x 7 CPP Portal Help Desk. The contact number of the helpdesk is 18002337315.

GENERAL INSTRUCTIONS TO THE BIDDERS

1. The tenders will be received online through portal

https://eprocure.gov.in/eprocure/app. In the technical bids, the bidders are required to upload all the documents in PDF format.

2. Possession of a valid class II / III Digital Signature Certificate (DSC) in the form of smart card / e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through https://eprocure.gov.in/eprocure/app. Digital Signature Certificates can be obtained from the authorised certifying agencies, details of which are available in the website https://eprocure.gov.in/eprocure/app under the link "Information about DSC".
3. Tenderers are advised to follow the instructions provided in the "Instructions to the tenderer" for the e-submission of the bids online through the Central Public Procurement Portal for e-procurement at https://eprocure.gov.in/eprocure/app.

INFORMATION & INSTRUCTION TO BIDDERS FOR E-TENDERING

Executive Engineer (ED-I), Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110016, Ph. No. 011-2654 8437 on behalf of Board of Governors invites online **Item Rate Tender** from Firms/ Contractors Registered in appropriate class and category with **CPWD, MES, BSNL and Railways and Specialized Agency** as per details given below.

Sr. No.	NIT No.	Name of Work & Location	Estimated cost put to bid (₹)	Earnest money (₹)	Period of completion	Last date & time of submission of bid	Time & date of opening of Technical Bid	Time & date of opening of Financial Bid
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	146/71/2022/IITD/EW/2022-23	S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi.	2,82,88,100.00	5,65,762.00	09 Months (SITC) & AMC (1+5) yrs.	15.02.2024 at 15.00 Hrs.	16.02.2024 at 15.00 Hrs.	To be decided after assessing Technical Bids

1. The successful bidder shall be required to submit a performance guarantee of 3% of the tendered amount in the form of Bank Guarantee or F.D.R. from a Nationalized / Scheduled Bank within fifteen days of issue of letter of intent before award of work. In case of failure by the Contractor to submit the performance guarantee within the specified period, full earnest money will be forfeited by the Institute and the tender shall be treated as null and void. EMD shall be refunded after submission of PBG. **The performance guarantee shall be initially valid up to the stipulated date of completion (i.e. 60 days) plus sixty days beyond that.**

2. Contractors who fulfil the following requirements shall be eligible to apply. Joint ventures are not accepted.

a. Should have satisfactorily completed the works as mentioned in Clause 5 below during the last Seven years ending **previous day of last date of submission of bids.**

i. **Three** similar works each costing not less than the amount equal to **40%** of Rs. 2, 08,27,647/-
ii. **Two** similar works each costing not less than the amount equal to **60%** of Rs. 2, 08,27,647/-
iii. **One** similar work costing not less than the amount equal to **80%** of Rs. 2, 08,27,647/-

(All figures rounded to nearest thousand).

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

3. **Earnest money (**EMD) shall have to be deposited / submitted as stipulated in the schedule.

4. The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of financial bid.

5. **Similar work means**: - **Supplying, Installation, Testing & Commissioning of Automatic Addressable Fire Detection System in Buildings.**

6. Work means work done with some Central Government Department / State Government Department/ Central Autonomous Body / State Autonomous Body / Central Public Sector Undertaking / State Public Sector Undertaking / City Development Authority / Municipal Corporation of City formed under any Act by Central / State Government and published in Central / State Gazette.

7. Should have had average annual financial turnover of **Rs. 1, 41, 45,000/-** on above mentioned type work during the last 3 years ending 31stMarch 2023 (Financial year 2019-20, 2020-21, 2021-22). (Scanned copy of certificate from Chartered Accountant to be uploaded)

8. Should not have incurred any loss (profit after tax should be positive) in more than two years during the last five years ending 31st March.2022.

9. Certificate of Financial turn over: -at the time of submission of bid contractor may upload Affidavit/ Certificate from C.A mentioning financial turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.

10. Should have a Banker's Certificate from a commercial Bank for **Rs. 1,13,16,000/-** or Net Worth certificate from CA with Unique Document Identification Number (UDIN) of minimum **Rs. 28,29,000/-** (Scanned copy of original to be uploaded)

11. Completion certificates are required to be got issued by an officer not below the rank of Executive Engineer of similar works completed by the Firm. The work experience certificates submitted by the bidders shall clearly indicate that:
    a. The similar work executed shall be **as per '5' above**
    b. The completed cost of the work
    c. Actual date of completion of the work

12. IITD is committed to follow the principle of transparency, equity and competitiveness in public procurement. Before submission of bid, **each bidder should sign integrity pact at respective places** and submit the bid. **If duly signed integrity pact is not submitted by bidder, such bid shall not be considered.**

13. **The intending bidder must read the terms and conditions [both commercial & Additional] & IITD - 6 carefully** which will be the part of the Contract. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

14. Information and Instructions for bidders posted on website shall form part of bid document.

15. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website e-procure.gov.in free of cost.

16. But the bid can only be submitted after submission of EMD as prescribed in the schedule.

17. Copy of all mandatory documents as desired in the NIT shall be scanned and up-loaded to the e-Tendering website within the period of bid submission. However, certified / original copy of all the scanned and up-loaded documents shall have to be submitted by the lowest bidder only within a week physically in the office of e-tendering authority, if so desired, by the tender inviting authority. During scrutiny of technical bids, if required, bidders may be asked to submit original documents for cross checking.

18. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has submitted prescribed EMD and other documents scanned and uploaded are found in order.

19. Those contractors not registered on the website mentioned above, are required to get registered beforehand. Bidders should refer "Instruction for Online Bid Submission" given earlier for further assistance.

20. When bids are invited in two / three stages systems and if it is desired to submit revised financial bid it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.

21. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

22. Contractors must ensure to quote rate of each item.

23. The following works are considered as specialized work.

Sl. No.	Specialized work(s) / item of work(s)	Criteria of Specialized work
1	SITC of Automatic Addressable Fire Detection System in Buildings	The specialized agency should have successfully completed works, as mentioned under during last 7 years ending previous day of last date of submission of tender. (i) Three similar works each costing not less than Rs.84.00 lakhs or (ii)Two similar works each costing not less than Rs. 125.00 lakhs or (iii) One similar work costing not less than Rs. 167.00 lakhs. The value of executed similar work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to previous day of last day of submission of bids. Specialized work shall means"(SITC of Automatic Addressable Fire Detection System in Buildings) "

24. The bid submitted shall become invalid if:

a. The bidder is found ineligible.

b. The bidder does not upload all the documents (including GSTIN registration) as stipulated in the bid document including the undertaking / declaration if any.

c. EMD not deposited as specified

d. Not registered with EPFO & ESIC

List of Mandatory Documents to be scanned and uploaded within the period of bid submission:

1. Annexure – 1 duly filled in and got signed
2. Proof of EMD deposit / Scanned copy of DD submission (favouring 'Registrar, IIT Delhi').
3. Technical Compliance Sheet (Annexure -2, 3, 4, 5) duly filled and signed with Product Brochure.
4. **Enlistment order of Contractor having enlistment in CPWD, MES, BSNL, Railways, not required for specialized agency.**
5. Certificate of work experience as desired (vide clause 5 above).
6. Certificate of Financial Turnover from CA. (**Form "A").**
7. Banker's Certificate **(Form "B")** or Net Worth Certificate **(Form "B-1").**
8. Certificate of GST Registration of the State in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following undertaking along with other bid documents.

   "if work is awarded to me, I/we shall obtain GST registration certificate of the State, in which work is to be taken up within one month from the date of receipt of award letter or before release of any payment by IIT Delhi, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on a/c of thework executed and/or for any action taken by IIT Delhi or GST department in this regard."

9. Affidavit as per provision of the clause 1.1.2 of IITD-6 [To be submitted on stamp paper and date of affidavit and purchase of stamp paper shall not be earlier than the publication of NIT. NIT number, name of work shall invariably be written on the **1st page** of the Affidavit. Any deviation will lead to rejection of bid without further notice]
10. Acceptance to execute INTEGRITY PACT [see integrity pact].
11. IITD 7 / 8 duly signed.
12. EPFO & ESIC Registration proof.
13. In case of authorized dealer, e-Bid specific, tender specific authorization letter shall be required from the Original Equipment Manufacturer for the Supply, Installation, Testing & Commissioning, service and support till the throughout execution of SITC and Defect LiabilityPeriod.
14. The letter of OEM that they will provide all the spares required for healthy functioning of the equipment for at least 7 years from the date of supply of equipment.
15. Any other document as specified in the NIT

Note:

a. Sr. No. 3, 13 are not mandatory if the bidder is the OEM itself.
b. Original copies are to be submitted as per clause 9.1 of IITD-6.

Executive Engineer [ED-I]
For & on Behalf of BOG, IIT Delhi

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

IITD – 6

INDIAN INSTITUTE OF TECHNOLOGY DELHI

NOTICE INVITING E-TENDER

1.0 Item rate tenders are invited on behalf of The Board of Governors, IIT Delhi, Hauz Khas, New Delhi - 110016 from Firms/ Contractors Registered in appropriate class and category with CPWD, MES, BSNL and Railways and Specialized Agency as per details given below for the work of **S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi.**

The authorization of OEM should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the authorization should be valid on the original date of submission of bids.

1.1 The work is estimated to cost **₹ 2,82,88,100.00.** This estimate, however, is given merely as a rough guide.

1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

1.2 Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below: -

1.2.1 Criteria of eligibility for submission of bid documents: Conditions for intending bidders / contractors

1.2.1.1 **Three** similar works each costing not less than **Rs. 83, 32, 000.00**, or **two** similar works each costing not less than **Rs. 1,24,97,000.00**, or one similar work costing not less than **Rs. 1,66,63,000.00** in last 7 years ending previous day of last date of submission of bids. The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of financial bid.

1.2.2 **To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under: -** *"I / We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I / we shall be debarred for bidding in IIT Delhi in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee (Scanned copy to be uploaded at the time of submission of bid)"*

2.0 Agreement shall be drawn with the successful bidders on prescribed Form No. IITD 7/8 which is available as IIT Delhi Publication. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.

3.0 The time allowed for carrying out the work will be **09 Months (SITC) & AMC (1+5) yrs. 5 yrs.** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid

documents.

4.0 The site for the work is available.

5.0 The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from the web Site **e-procure.gov.in.**

6.0 After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.

7.0 While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.

8.0 If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.

9.0 EMD shall have to be deposited / submitted as stipulated in the schedule of the NIT.

9.1 Copy of all 'mandatory documents' and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. ***However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.***

10.0 The bid submitted shall become invalid, if:

10.1 The bidder is found ineligible.

10.2 The bidder does not upload all the documents (including GSTIN Registration) as stipulated in the bid document**.**

10.3 EMD & Proper Affidavit not submitted as specified

10.4 If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted ***physically by the lowest bidder*** in the office of the bid opening authority.

11.0 The contractor whose bid is accepted will be required to furnish **performance guarantee of 3% (Three Percent)** of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt of any scheduled bank / Banker' cheque of any scheduled bank/ Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (in case guarantee amount is less than Rs.1,00,000/-) or Government Securities or Fixed Deposit Receipts or irrevocable Bank Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

12.0 Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it

or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13.0 The competent authority on behalf of the Board of Governors does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.

14.0 Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.

15.0 The competent authority on behalf of the Board of Governors reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.

16.0 The contractor shall not be permitted to bid for works in the IITD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted officer in the IIT Delhi. Any breach of this condition by the contractor would renderhim liable to be debarred from bidding process in future in IIT Delhi.

17.0 No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract liable to be cancelled, if, either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

18.0 The bid for the works shall remain open for acceptance for a period of **ninety days from the date of opening of financial bids**, if any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the IIT Delhi shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the re-bidding process of the work.

19.0 This notice inviting bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the Accepting Authority shall **within fifteen days** from the stipulated date of start of the work, sign the contract consisting of:-

19.1 The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with

any correspondence leading thereto.

20.0 In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as to be submitted physically in IIT Delhi, if so desired by the accepting authority, then the bid submitted shall become invalid and the IIT Delhi shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the bidding process of the work.

21.0 GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.

22.0 The Contractor has to coordinate the work with the ongoing renovation works in various buildings as per the direction of the Engineer-in-charge.

INTEGRITY PACT

To

.....,
.....,
.....

Sub: NIT No. **146/71/2022/IITD/EW/2022-23** for the work of **"S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi".**

Dear Sir,

It is hereby declared that IIT Delhi (IITD) is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the Integrity Agreement, which is an integral part of the tender/bid documents, failing which the tender/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the IITD.

Yours faithfully,

Executive Engineer [ED-I]

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

[TO BE SUBMITTED DULY SIGNED BY THE BIDDER ALONGWITH BID DOCUMENTS]

To

Executive Engineer (ED-I),
IIT Delhi, Hauz Khas,
New Delhi – 110016

Subject: Submission of Bid for the work of **"S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi".**

Dear Sir,

I / We acknowledge that IIT Delhi is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I / We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I / We will sign the enclosed integrity Agreement, which is an integral part of tender / bid documents, failing which I / We will stand disqualified from the tendering process. I / We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I / We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by IITD. I / We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I / We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, IITD shall have unqualified, absolute and unfettered right to disqualify the tenderer /bidder and reject the tender/bid is accordance with terms and conditions of the tender/bid.

Yours faithfully,

(Duly signed by authorized signatory of the Bidder)

[To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of IITD]

INTEGRITY AGREEMENT

This Integrity Agreement is made at ..... on this ..... day of..... 20.....

BETWEEN

The Board of Governors, IIT Delhi, Hauz Khas, New Delhi - 16 represented through **Executive Engineer (ED-I)**, IIT Delhi
....., (Hereinafter referred as the '**Principal/Owner**',
(Address of Division)
'**Principal/Owner**', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....
.....
(Name and Address of the Individual/firm/Company)
Through.....
..... (Hereinafter referred
(Details of duly authorized signatory)
to as the "**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

PREAMBLE

WHEREAS the Principal / Owner has floated the Tender (NIT No. 146/71/2022/IITD/EW/2022-23) (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for **"S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi."** (Name of work) hereinafterreferred to as the "**Contract**".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s) AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enterinto this Integrity Agreement (hereinafter referred to as "**Integrity Pact**" or **"Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

ARTICLE 1: COMMITMENT OF THE PRINCIPAL / OWNER

C … Nil I ….. Nil O …… Nil

1. The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
   - **1.1.** No employee of the Principal / Owner, personally or through any of his / her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
     - **1.1.1.** The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
     - **1.1.2.** The Principal/Owner shall Endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PoC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

ARTICLE 2: COMMITMENT OF THE BIDDER(S) / CONTRACTOR(S)

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or coercion or collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
2. The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
   - **2.1.** The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
   - **2.2.** The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
   - **2.3.** The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PoC Act. Further the Bidder(s) / Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal / Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
   - **2.4.** The Bidder(s) / Contractor(s) of foreign origin shall disclose the names and addresses of agents / representatives in India, if any. Similarly Bidder(s) / Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer,

he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

2.5. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practices **means a wilful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests**.

5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

ARTICLE 3: CONSEQUENCES OF BREACH

Without prejudice to any rights that may be available to the Principal / Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner**.

2. **Forfeiture of EMD/Performance Guarantee/Security Deposit**: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

3. **Criminal Liability**: If the Principal/Owner obtains knowledge of conduct a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal / Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

ARTICLE 4: PREVIOUS TRANSGRESSION

1. The Bidder declares that no previous transgressions occurred in the last 5 years with any other

Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
3. If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

ARTICLE 5: EQUAL TREATMENT OF ALL BIDDERS/CONTRACTORS/SUBCONTRACTORS

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
2. The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

ARTICLE 6: DURATION OF THE PACT

1. This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 6 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.
2. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority of IIT Delhi.

ARTICLE 7: OTHER PROVISIONS

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the Head Quarters of the Division of the Principal/Owner, who has floated the Tender.
2. Changes and supplements need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by Board Resolution.
4. Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

ARTICLE 8: LEGAL AND PRIOR RIGHTS

C … Nil I ….. Nil O …… Nil

1. All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Principal / Owner)

.....
(For and on behalf of Bidder / Contractor)

WITNESSES:

1..……

(Signature, name and address)

2..……
(Signature, name and address)

Place:

Dated:

INDIAN INSTITUTE OF TECHNOLOGY DELHI

HAUZ KHAS, NEW DELHI - 110016

Percentage Rate Tender / Item Rate Tender & Contract for Works

Tender for the work of **"S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi."**

1. To be submitted online by **15.02.2024 at 15.00 Hrs.**
2. To be opened on **16.02.2024 at 15.00 Hrs.** online

e-TENDER

I / We have read and examined the Notice Inviting Tender, schedule, A, B, C, D, E & F, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I / We hereby tender for the execution of the work specified for the Board of Governors, IIT Delhi within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for ninety (90) days from the due date of its opening / ninety days from the date of opening of financial bid in case tenders are invited on 2/3 envelop system (**strike out as the case may be**) and not to make any modification in its terms and conditions.

A sum of **Rs. 5,65,762.00** is hereby deposited in IIT Delhi Revenue Account No. 10773572622 as earnest money / **A Demand Draft of Rs. 5,65,762.00** favouring Registrar, IIT Delhi has been scanned and uploaded with the Technical Bid. If I / We, fail to furnish the prescribed performance guarantee within prescribed period I / We agree that the said The Board of Governors, IIT Delhi, Hauz Khas, New Delhi - 16 or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I / We fail to commence the work as specified,I / We agree that The Board of Governors, IIT Delhi, Hauz Khas, New Delhi - 16 or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I / We agree that in case of forfeiture of Earnest Money & Performance Guaranteeas aforesaid I / We shall be debarred for participation in the re-tendering process of the work.

I / We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I / We shall be debarred for tendering in IIT Delhi in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall

be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I / We hereby declare that I / We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I / We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated:

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of The Board of Governors, IIT Delhi, Hauz Khas, New Delhi - 110016 for a sum of (Rupees… ……..).

The letters referred to below shall form part of this contract agreement:-

(a)

(b)

(c)

For & on behalf of Board of Governors, IIT Delhi

Signature ……..

Dated:

Designation ……

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

PROFORMA OF SCHEDULES

SCHEDULE "A"

Schedule of Quantities (enclosed)

SCHEDULE "B"

Schedule of materials to be issued to the contractor

Sr. No.	Description of item	Quantity	Rates in figures & words at which the materials will be charged from the contractor	Place of issue
(1)	(2)	(3)	(4)	(5)
	--- NIL ---			

SCHEDULE "C"

Tools and Plants to be hired to the contractor

Sr. No.	Description	Hire charges per day	Place of issue
(1)	(2)	(3)	(4)
	--- NIL ---		

SCHEDULE "D"

Extra schedule for specific requirements / documents for the work, if any.

NIL

SCHEDULE "E"

Reference to General Conditions of Contract

1.	**Reference to General condition of contract**	**:**	**GCC for maintenance work 2020 for CPWD works along with correction on slips/ amendment issued up to last date of submission of bid.**
2.	Name of work	:	S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi campus.
3.	Estimated cost of work (₹)	**:**	2,82,88,100.00

4	Earnest Money (₹)	**:**	5,65,762.00
5	Performance Guarantee	**:**	3 percent of tendered value
6	Security Deposit	**:**	2.5 percent of tendered value

SCHEDULE "F"

GENERAL RULES & DIRECTIONS:

Officer inviting tender	**:**	Executive Engineer (ED-I)
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	**:**	**See below**

DEFINITIONS:

2 (V)	Engineer-in-charge	**:**	Executive Engineer (ED-I)
2 (viii)	Accepting authority	**:**	Institute Engineer
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits	**:**	15 percent
2 (xi)	Standard Schedule of Rates	**:**	Market, DSR
2 (xii)	Department	**:**	Works, IIT Delhi
9 (ii)	Reference to General condition of contract	:	GCC for maintenance work 2020 for CPWD works along with correction on slips/ amendment issued up to last date of Submission of bid.

CLAUSE 1

i)	Time allowed for submission of Performance Guarantee from thedate of issue of letter of acceptance	**:**	15 days
ii)	Maximum allowable extensionbeyond the period provided in (i)above with late fees @0.1% per day of performance guarantee	**:**	10 days

CLAUSE 2

(i)	Authority for fixing compensation under Clause 2	**:**	Institute Engineer

C … Nil I ….. Nil O …… Nil

CLAUSE 2A

(i)	Whether Clause 2A shall be applicable	:	No

CLAUSE 5

(i)	Number of days from the date of issue of letter of acceptance for reckoning date of start	:	10 days

TABLE OF MILE STONE(S):

Sr. No.	Description of Milestone (physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of milestone
(1)	(2)	(3)	(4)
	--- NOT SPECIFIED ----		

Time allowed for execution of work	:	09 Months (SITC) & AMC (1+5) yrs. After commissioning

Authority to decide:	**Extension of time**	:	Engineer-in-charge
	Rescheduling of milestones	:	Institute Engineer

CLAUSE 6A

Clause applicable - (6A)	:	Applicable

CLAUSE 7

Gross work to be done together with net payment / adjustment of advances for materials collected, if any, since the last such payment for being eligible to interim payment	:	30 Lakh

CLAUSE 10A

List of testing equipment to be provided by the contractor at site lab					
1	**NIL**	**2**	**NIL**	**3**	**NIL**
4	**NIL**	**5**	**NIL**	**6**	**NIL**

CLAUSE 10B (ii)

Whether Clause 10 B (ii) shall be applicable (Yes / No)	:	No

CLAUSE 10 C

Component of labour expressed as percent of value of work	:	15 Percent

CLAUSE 10 CA

Materials covered under this clause		Nearest materials (other than cement, reinforcement bars & structural steel) forwhich All India Wholesale Price index to be followed	Base Price of all the materials covered under clause 10 CA*
1	NIL		
2	NIL		
3	NIL		
4	NIL		

*base price of all materials covered under clause 10 CA is to be mentioned at the time of approval of NIT

CLAUSE 10CC (Not Applicable)

Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column	:	NIL
Schedule of component of other Materials, Labour, P.O.L. etc. for price escalation.		
Component of Civil (except materials covered under clause 10 CA) / Electrical construction materials - expressed as percent of total value of work	:	X_m = percent
Component of labour - expressed as percent of total value of work	:	Y = percent
Component of P.O.L. – expressed as percent of total value of work	:	Z= percent

CLAUSE 11

Specification to be followed for execution of work	:	The work shall be carried out as per attached Technical Specifications, in absence of any specification CPWD General Specifications forElectrical works Part VI 2018 as amended upto date, CPWD general Specifications for Electrical Works, 2023 Part - I, II as amended upto date, relevant IE Rules and as per directions of Engineer-in-Charge to be followed.

C … Nil I ….. Nil O …… Nil

CLAUSE 12

12.2 & 12.3	Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work	:	100%
12.3 A	Type of work	:	Maintenance works includingworks of up-gradation, aesthetic, special repair, addition / alteration
12.5	Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work	:	100%

CLAUSE 16

Competent authority for deciding reduced rates	:	Executive Engineer (ED-I)

CLAUSE 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site					
1	**NIL**	**2**	**NIL**	**3**	**NIL**
4	**NIL**	**5**	**NIL**	**6**	**NIL**

CLAUSE 32

Requirement of Technical Representative for SITC (s) and recovery rate

C … Nil I ….. Nil O …… Nil

Sr. No.	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures	**Words**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Graduate or Diploma Engg.	Electrical or Mechanical	Project Manager / Site Engineer	2 years Graduate or 5 years for Diploma	2	15,000/-	Fifteen Thousand only, per month per person.

Assistant Engineers retired from Govt. / IIT Delhi services that are holding Diploma will be treated at par with Graduate Engineers.

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-I]

COMMERCIAL AND ADDITIONAL CONDITIONS

1. GENERAL

1.1. Location: **The equipment's will be installed in CSC & Academic Blocks including Mathematics dept. at campus of IIT Delhi.**

1.2. The work shall be executed as per CPWD General Specifications for Electrical Works Part-I (Int.) 2023, Part-II (Ext.) 2023, Fire 2018, as amended upto date, relevant I.E. Rules, BIS/IEC and as per directions of Engineer-in• Charge. These additional specifications/conditions are to be read in conjunction with above and in case of variations; specifications given in these additional conditions shall apply. However, nothing extra shall bepaid on account of these additional specification and conditions, as the same are to be read along with schedule of quantities for the work.

1.3. The tenderer should in his own interest visit the site and get familiarize with the site conditions before tendering.

1.4. No T&P shall be issued by the Department and nothing extra shall be paid on account of this.

2. COMMERCIAL CONDITIONS:

2.1. **Type of contract:** The work to be awarded by this tender shall be treated as indivisible works contract.

2.2. **Submission and opening of Tenders:**

2.2.1. The tender is in two parts:

2.2.1.1. Part-I -Technical cum Un-priced commercial Bid

2.2.1.2. Part-II-Price Bid

2.3. The tender shall be submitted online, duly completed as per NIT conditions within period of bid submission.

2.4. The tenderers are advised not to deviate from the technical specifications / item, commercial terms and conditions of NIT like terms of payment, guarantee, arbitration clause, escalation etc.

2.5. Technical cum un-priced commercial bid only shall be opened on the due date and time in the presence of tenderers or their authorized representative who wish to remain present.

2.6. Scrutiny/evaluation of the technical-cum-commercial bid shall be done by the department. In case, it is found that the technical-cum-commercial bid of a tenderer is not in line with NITspecifications/requirements and/or contains too many deviations, the department reserves the right to reject the technical bid of such firms(s) without making any reference to the tenderer(s).

2.7. Necessary clarifications required by the department shall have to be furnished by the tenderer within the time given by the department for the same. The tenderer will have to depute his representative to discuss with the officer(s) of the department as and when so desired. In case, in the opinion of the department a tenderer is taking undue long time in furnishing the desired

clarifications, his bid will be rejected without making any reference.

2.8. After obtaining clarification from all the tenders, the department will intimate the tenders whose technical cum commercial bids are acceptable.

2.9. The price bids of only those tenderers shall be opened whose technical bids are found to be technically acceptable. The time and date of opening of price bid shall be fixed after the technical cum unpriced commercial bid is accepted and intimated to them by post/Fax/e-mail.

2.10. The department reserves the right to reject any or all the price bids and call for fresh prices/tenders as the case may be without assigning any reason.

3. TERMS OF PAYMENTS

3.1. Payment shall be released after successful completion (Supply, Installation, Testing and satisfactory commissioning) of the work. However, R.A. bill may be preferred to the extent of 80% of Machines after initial inspection and delivery at site in good condition on prorata basis based on progress of overall work. Bidder should note that necessary documents (PAN card, Cancelled cheque, GST Reg. proof and RTGS mandate form as per prescribed proforma of IIT Delhi) be submitted as soon as the work is awarded to them. Separate Contractor's Code shall be generated in IIT Delhi if the bidder is a new contractor to IIT Delhi ('Code' is perpetual in nature). Payment shall be processed after submission of Invoice and necessary documents / certificates (as mentioned in the NIT). There is a prevailing practice of pre-audit (for total tendered amount more than 3 lakhs) at IIT Delhi before releasing payment. Bidder shall have to comply all necessary documents as outlined in the Contract as to be desired by the Auditor and or by the Accountant. It may take one to two months in the whole process (from submission / acceptance of bill in CMB / MB by the contractor upto processing by Accounts section) to release payment subject to quick compliance of all submittals by the contractor. Applicable Taxes shall be got deducted from the bill as per prevailing orders of the Government. 'GST part of the bill' shall be released after submission of proof of payment of GST, i.e. B2B challan,etc. as may be, by the contractor. For the CAMC part, yearly payment be released upon successful maintenance of the machines.

4. AWARD OF WORK

4.1. Work shall be awarded to the successful bidder only after concurrence of the **Auditor of the Internal Audit Section** of the IIT Delhi as per extant Rules of the Institute.

5. SECURITY DEPOSIT

5.1. Security Deposit shall be deducted from each running bill and final bill to the extent of 2.5% of the gross amount payable. **The security deposit shall be released after successful completion of the AMC**. No separate SD be deducted during the period of AMC.

6. PERFORMANCE GUARANTEE

6.1. The successful tenderer shall submit an irrevocable performance guarantee of 3% of the tendered amount in addition to other deposit mentioned elsewhere in the contract for his proper performance of the contract agreement within 15 days of issue of letter of acceptance of tender. This guarantee shall be in the form of Demand Draft/Pay order of irrevocable bank guarantee bond of any schedule bank or the State Bank of India in the specified perform a of Government Security, fixed deposit receipt pledged in favour of **Registrar, IIT Delhi** or as specified in the

letter of acceptance of tender. The performance guarantee shall be initially valid up to the stipulated date of completion plus 60 days. This bank guarantee shall be kept valid till the recording of completion certificate for the work by the competent authority. This shall be released after submission of fresh bank guarantee for the comprehensive maintenance. Fresh bank guarantee shall have to be submitted @3% of the contract amount of comprehensive maintenance for the whole period of maintenance plus 45 days beyond.

6.2. Income tax, GST, labour cess & other statutory deduction etc. shall be made at source as per the prevalent laws. The deduction of Security Deposit, Income Tax, etc., shall be done after calculation for the above due payment as per clause 3 above and net payment shall reduce accordingly.

7. RATES

7.1. The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including works GST & labour cess), duties, levies, etc. and all charges for packing forwarding, insurance, freight and delivery, installation, testing and commissioning etc. at site including temporary construction of storage, risks overhead charges, general liabilities/ obligations.

8. COMPLETENESS OF TENDER

8.1. All sundry equipment's, fitting, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specially mentioned in the tender documents or not.

9. STORAGE AND CUSTODY OF MATERIAL

9.1. The agency has to make his own arrangement for storage. No separate storage accommodation shall be provided by the department Watch and ward of the storage and their safe custody shall be responsibility till the final taking over of the installation by the department.

10. CARE OF THE BUILDING

10.1. Care shall be taken by the contractor while handling and installing the various equipment and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste material arising out of the installation from the site of work.

11. COMPLETION PERIOD

11.1. The completion period indicated in the tender documents is for the entire work of planning, designing, approval of drawings etc, arrangement of materials & equipments, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-charge.

12. GUARANTEE

12.1. The contractor shall guarantee all Fire Alarms installation as per specifications both for components and for system as a whole. All equipment's shall be guaranteed for **one year** from the date of commissioning against unsatisfactory performance and / or breakdown due to

defective design, workmanshipor material. The equipment or component, or any part thereof, so found defective during guarantee period shall be forthwith replaced free of cost to the satisfaction of the Engineer- in-Charge. In case it is felt by the department that undue delay is being caused by the contactorin doing this, the same will be got done by the department at the risk and cost of the contractor.The decision of Engineer-in-Charge in this regard shall be final & binding on the contractor.

12.2. The tenderer shall guarantee among other things, the following:

12.2.1. Quality, strength and performance of the material used as per manufacturer's standards.

12.2.2. Safe mechanical and electrical stress on all part under all specified conditions of operation.

12.2.3. Satisfactory operation during the maintenance period.

13. POWER SUPPLY

13.1. Power supply shall be made available by the department at one point near the site free of cost, if required. Further, the arrangement for tapping power supply from this point shall be made by the contractor.

14. EXTENT OF WORK

14.1. The work shall comprise of entire labour including supervision and all material necessary to make a complete installation and such tests and adjustment and commissioning as may be required by the department. The term complete installation shall not only mean major items of the plant and equipments covered by the specification but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in details in the tender documents in connection with this contract as this is a turnkey job.

14.2. In addition to supply, installation, testing and commissioning of Tower type AC system including outdoor units, following works shall be deemed to be included with the scope of work to be executed by the tenderer-

14.2.1. Minor building works necessary for installation of equipments, foundation making of opening in walls or in floors and restoring them to their original condition / finish and necessary grouting etc. as required.

15. VALIDITY

15.1. Tenders shall be valid for acceptance for a period 90 days of days from the date of opening of price bid.

16. COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS

16.1. All works shall be carried out in accordance with relevant regulation both statutory and those specified by the Indian Standards related to the works covered by this specification in particular, the equipment and installation will comply with the following:

16.1.1. Factories Act

16.1.2. Indian Electricity Rules

16.1.3. B.I.S. & other standards as applicable

16.1.4. Workmen's compensation Act

16.1.5. Statutory norms prescribed by local bodies like fire department, CEA, Power Supply Co. etc.

17. INDEMNITY

17.1. The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the periodof erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

18. ERECTION TOOLS

18.1. No tools and tackles either for unloading or for shifting the equipment's for erection purposes would be made available by the department. The successful tender shall make his arrangement for all these facilities

19. COOPERATION WITH OTHER AGENCIES AND OCCUPANTS OF THE BUILDING

19.1. The successful tenderer shall co-ordinate with other working contractors, if any and other occupants of different offices / Labs, etc., and exchange freely all technical information so as to make the execution of this work / contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want or cooperation and coordination by the tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of work was not under taken by the tenderer himself.

20. MOBILIZATION ADVANCE

20.1. No mobilization advance shall be paid for this work

21. INTERPRETING SPECIFICATION

21.1. In interpreting the specification, the following order of decreasing importance shall be followed in case of contradictions:

21.1.1. Schedule of quantities

21.1.2. Technical Specification

21.1.3. Drawing (if any)

21.1.4. General Specification for Electrical Works of CPWD (relevant Parts)

21.1.5. Relevant BIS or other international code in case BIS code is not available.

22. POLICY OF THE INSTITUTE

22.1. **Insti**tute has a policy against **sexual harassment** and is committed to providing an environment free from **sexual harassment of women** at the workplace. Contractor shall have to abide by the policy of the Institute with due diligence. Any violation on the part of the contractor shall be dealt with the extant rules of the Institute.

23. OPERATION & MAINTENANCE

23.1. **The general guidance has been given for the comprehensive maintenance** as perof the NIT and as per CPWD General Specifications for Fire Alarm as amended up to date. A separate **supplementary agreement** shall be made with the successfultenderer for sub head "AMC including Routine, Preventive & Breakdown Maintenance" (for 5years after one year guarantee period) of schedule of work. The payment of maintenance maybe made yearly after successful maintenance.

ANNEXURE -1

<< Organization Letter Head >>

DECLARATION

I / We,_____hereby declare that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I / we have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

1	Name & Address of the bidder	**:**	
2	Phone	**:**	
3	E-mail	**:**	
4	Contact person name	**:**	
5	Mobile number	**:**	
6	GSTIN number	**:**	
7	PAN number	**:**	
8	UTR no. [if deposited online] for EMD	**:**	
9	DD / FDR / Banker's Cheque No. [if uploaded scanned copy] for EMD	**:**	
	BANK DETAILS of the Bidder		
10	Bank name	**:**	
11	Branch address	**:**	
12	Branch telephone no.	**:**	
13	MICR Code of the bank	**:**	
14	IFSC code	**:**	
15	Bank Account no.	**:**	
16	Type of account	**:**	
17	Pl attach one cancelled cheque	**:**	

We further declare that our organization has not been blacklisted / delisted or put to any holiday by any Institutional agency / Govt. Department / Public Sector Undertaking in the last three years.

(Signature& name of the bidder)
Seal of the bidder

C … Nil I ….. Nil O …… Nil

D'Man AEE / AE EE

Annexure - 2

TECHNICAL PARTICULARS

[To be filled by the bidder neatly typed on OEM letter head and to be submitted alongwith the Technical Bid]

1. **The new system shall be seamlessly integrated with the existing system of new LH Complex, Multi Storied Building & R.I Park. An undertaking on OEM letter head in this regard shall be enclosed with the Technical Bid.**
2. INTELLIGENT FIRE ALARM SYSTEM should have minimum 640 character LCD display. Qwerty keypad and minimum 4000 events & 1000 Alarm history log in the nonvolatile memory (EPROM), The panel shall work in degrade mode in case of CPU failure, power supply unit (230 + 5% v, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with Digital Voice Evacuation system and 2 ways Communication Fire Fighters System (which is part of the schedule of work under SH: PA system). The panel shall be capable for remote accessibility on a mobile app through cloud platform/solution. UL864, 10th Edition & FM Approved. The panel shall be capable of self-programing without any dependency on dongle or programming software. Quoted rate shall include supply of necessary software & hardware for programming the panel with all necessary license.
3. CENTRAL GRAPHICAL FIRE ALARM MANAGEMENT SYSTEM shall be able to centrally monitor and Control the fire alarm system. The software shall provide the facility to Monitor, Control all the Digital PAVA as well as 2 way communication from main control room using voice signals over Fire Network along with the fire detection signal. The Graphic workstation shall act as an independent node communicating on the peer to peer network and shall not be dependent on the Fire Panel CPU for operation. Failure of Fire Panel CPU shall not result in failure of GUI. The software shall be capable of monitoring 200 Nodes with 100 Mbps Transmission rate on Fiber Optics Network and 12 Mbps Transmission on cable and 2,50,000 network points. The software shall be capable to Monitor & Control all the Digital Voice Evacuation as well as 2 way communication from main control room using voice signals over Fire Network along with the Fire detection signal. The Graphic workstation shall act as an independent node communicating on the peer to peer network and shall not be dependent on the Fire Panel CPU for operation. Failure of Fire Panel CPU shall not result in failure of GUI.
4. INTELLIGENT ANALOG ADDRESSABLE PHOTO THERMAL DETECTOR should be with Sensitivity range of 0.5 to 4.0% obs/f complete with mounting base complete as required. The detector shall have twin bi-colour LED for 360 deg viewing. Addressing shall be with user friendly rotary decimal switches designed to meet UL268, 7th Edition. The detector sensitivity (day & night) shall be controlled from the panel to get accustomed to the local environment. The detector shall work on cooperative mode to avoid false alarm.
5. INTELLIGENT ADDRESSABLE THERMAL DETECTOR with rate of rise cum fixed temperature thermistor complete with base shall have twin bi-colour LED for 360 deg viewing and be designed to meet. Detector shall comply UL521 guideline & FM Approved.
6. INTELLIGENT ADDRESSABLE MULTI CRITERIA [smoke + Heat + CO + IR] detector including suitable photo detector complete with base shall have twin bi-colour LED for 360 deg viewing Designed to meet UL268, 7th Edition.
7. ADDRESSABLE MANUAL CALL POINT shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device.
8. ADDRESSABLE HORN CUM STROBE shall be rated at 75 dBA @ 3m for Audible annunciation and 75cd flashing at 1 Hz for visual indication.

C … Nil I ….. Nil O …… Nil

D'Man AE / JE EE[ED-1]

9. 6 ZONE 8 Channel, DIGITAL VOICE ALARM CONTROLLER WITH USB, MP3 PLAYER (including 6 zone button paging station) capable of 2 ways Communication Fire Fighters System withseamless integration facility with main fire alarm panel for voice evacuation shall be **the same OEM as Fire Alarm Panel.**
10. EXIT POINT DIRECTIONAL SOUND SPEAKER shall have frequency band 20 Hz to 20 kHz with minimum 8 distinct sound patterns to indicate corridors.

LIST OF ACCEPTABLE MAKE OF MATERIALS/EQUIPMENT		
1	FN Panel, Detector, graphical Fire Alarm Management System, Repeater Panel, RI, Sounder, PA System, PA Controller, Amplifiers, Speakers, Talk Back Controller, Telephone Jacks, Modules. Complete FAS, PAVA & Talk Back System shall be Latest UL Approved & FM Approved.	Johnson Control (IFC)/ Notifier (UL) / Bosch (UL) / Mircom (UL) / Fike (UL).
2	Cable (FRLS)	Finolex / Havells / Gloster / RR Kabel with ISI marked.

N.B. : For any other items, needs prior approval of the Engineer-in-charge

Note: Above mentioned parameters shall be certified by the OEM else bid shall not be considered

Authorized signatory with stamp of the OEM

e-mail ID:

Sig. of the bidder / Contractor with stamp

Annexure - 3

[Bidder shall fill in the details and shall have to be submitted with Technical bid on OEM Letter Head]

TECHNICAL COMPLIANCE				
SR. NO.	**PARAMETER**	**IITD's REQUIREMENT**		**BIDDER'S REMARKS**
1	**Addressable Fire Alarm Panel**			
2.1	Make		Pls specify	
2.2	Model		Pls specify	
2.3	UL Listed (10th Edition)	Yes	Pls confirm (Yes / No)	
2.4	FM Approved	Yes	Pls confirm (Yes / No)	
2.5	Display Size	minimum 640 Characters	Pls specify	
2.6	Programmable Keypad	Yes	Pls confirm (Yes / No)	
2.7	Keypad Type	QWERTY	Pls confirm (Yes / No)	
2.8	CPU Degrade Mode	Yes	Pls confirm (Yes / No)	
2.9	Dedicated Event History	4000	Pls specify	
2.10	Dedicated Alarm History	1000	Pls specify	
2.11	Pre-alarm Levels	9	Pls specify	
2.12	Auto Programming of the Panel	Yes	Pls confirm (Yes / No)	
2.13	No of Panels & Loops in Each Panel Considered		Pls submit design basis of loops	
2.14	Min no of Detectors & Devices perloop	240	Pls specify	
2.15	Max no of Detectors & Devices per panel	3000	Pls specify	
2.16	Min Spare Capacity Considered	20%	Pls specify	
2.17	Inbuilt & Integrated Digital 8 Channel Voice Evacuation & Telephone Talk Back	Yes	Pls confirm (Yes / No)	
2.18	No of Voice Evacuation Zones Considered		Pls submit design basis of zones	
2.19	Cause & Effect Logic Complied	Yes	Pls confirm (Yes / No)	
2.20	Dedicated CPU for DVC [digitalvoice command]	Yes	Pls confirm (Yes / No)	
2.21	Fire, Voice & Telephone networkedon a single network cable	Yes	Pls confirm (Yes / No)	
2.22	Facility of max No of Fire Fighters in Conference	35	Pls specify	
2.23	Paging through any Fire Fighters Phone	Yes	Pls confirm (Yes / No)	
2.24	Minimum No of Nodes on the network	200	Pls specify	
2.25	Minimum No of Networks in the System	200	Pls specify	
2.26	Network Communication Speed on Copper Cable	10 Mbps	Pls specify	
2.27	Network Communication Speed on Fibre	100 Mbps	Pls specify	

C ...Nil I ..... Nil O ..... Nil

D'Man AEE / AE EE

2.28	Provision of terminating FO cable on network card	Yes	Pls confirm (Yes / No)	
2.29	Battery Charging Capacity	200 Ah	Pls specify	
2.30	Mean Time Between Failure	40 h	Pls specify	
3	**Addressable Active RepeaterPanel**			
3.1	Make		Pls specify	
3.2	Model		Pls specify	
3.3	UL Listed (10th Edition)	Yes	Pls confirm (Yes / No)	
3.4	FM Approved	Yes	Pls confirm (Yes / No)	
3.5	Active Repeater Panel	Yes	Pls confirm (Yes / No)	
3.6	Monitor & Control all Fire AlarmPanels	Yes	Pls confirm (Yes / No)	
3.7	Display Type & Size	Minimum 320 Character	Pls specify	
4	**Amplifier**			
4.1	Make		Pls specify	
4.2	Model		Pls specify	
4.3	UL Listed	Yes	Pls confirm (Yes / No)	
4.4	FM Approved	Yes	Pls confirm (Yes / No)	
4.5	No of Amplifiers & Capacity of Each Amplifier Considered		Pls submit design basis Wattage & Amplifier	
4.6	Amplifier Type	Digital	Pls confirm (Yes / No)	
4.7	Distributed Architecture of Amplifiers	Yes	Pls confirm (Yes / No)	
4.8	Back-up Amplifier considered, N+1 Redundancy	Yes	Pls confirm (Yes / No)	
4.9	Amplifier not dependant on Firepanel CPU	Yes	Pls confirm (Yes / No)	
6	**Graphics User Interface**			
6.1	Make		Pls specify	
6.2	Model		Pls specify	
6.3	UL Listed	Yes	Pls confirm (Yes / No)	
6.4	FM Approved	Yes	Pls confirm (Yes / No)	
6.5	Complete Monitoring & Control Feature for Fire, Voice & Telephone talkback	Yes	Pls confirm (Yes / No)	
6.6	Capability of detector sensitivity changing	Yes	Pls confirm (Yes / No)	
6.7	Minimum Network Points to be mapped	2,50,000	Pls specify	
6.8	Minimum Event History	1,00,000	Pls specify	
6.9	Graphics User Interface as a node on peer-to-peer network	Yes	Pls confirm (Yes / No)	
6.10	Facility of paging on selected zone through GUI	Yes	Pls confirm (Yes / No)	
	C..Nil I.....Nil O.....Nil			
10	**Addressable Multi-criteria Detector with Base**			

10.1	Make		Pls specify	
10.2	Model		Pls specify	
10.3	UL 268, 7th Edition Listed		Pls confirm (Yes / No)	
10.4	FM Approved		Pls confirm (Yes / No)	
10.5	Smoke Element Sensitivity Range	0.5% to 4% obs/ft	Pls specify	
10.6	Heat Element Temperature	57 deg C	Pls specify	
10.7	Dual bi-color LED Indication for 360 deg Viewing		Pls confirm (Yes / No)	
10.8	Addressing Method	Rotary Switch	Pls specify	
11	**Addressable Heat Detector**			
11.1	Make		Pls specify	
11.2	Model		Pls specify	
11.3	UL521 guideline Listed		Pls confirm (Yes / No)	
11.4	FM Approved		Pls confirm (Yes / No)	
11.5	Heat Element Sensitivity Range for Fixed	57 deg C	Pls specify	
11.6	Heat Element Sensitivity Range for Rate of Rise	Minimum 8 deg C / min	Pls specify	
11.7	Dual bi-color LED Indication for 360 deg Viewing		Pls confirm (Yes / No)	
11.8	Addressing Method	Rotary Switch	Pls specify	
12	**Addressable Duct Smoke Detector with Housing**			
12.1	Make		Pls specify	
12.2	Model		Pls specify	
12.3	UL Listed		Pls confirm (Yes / No)	
12.4	FM Approved		Pls confirm (Yes / No)	
12.5	Smoke Element Sensitivity Range	0.5% to 4% obs/ft	Pls specify	
12.6	Air Velocity	100 to 4000 ft/min	Pls specify	
12.7	Dual bi-color LED Indication for 360 deg Viewing		Pls confirm (Yes / No)	
12.8	Addressing Method	Rotary Switch	Pls specify	
13	**Addressable High SensitivitySpot Type Smoke Detector**			
13.1	Make		Pls specify	
13.2	Model		Pls specify	
13.3	UL 268, 7th Edition Listed		Pls confirm (Yes / No)	
13.4	FM Approved		Pls confirm (Yes / No)	
13.5	Smoke Element Sensitivity Range	0.02 to 2%obs/ft	Pls specify	
13.6	Dual bi-color LED Indication for 360 deg Viewing		Pls confirm (Yes / No)	
13.7	Addressing Method	Rotary Switch	Pls specify	
C ... Nil	I ..... Nil O ..... Nil			
14	**Addressable Advanced Multi-criteria Detector**			

14.1	Make		Pls specify	
14.2	Model		Pls specify	
14.3	UL 268, 7th Edition Listed		Pls confirm (Yes / No)	
14.4	FM Approved		Pls confirm (Yes / No)	
14.5	Smoke Element Sensitivity Range	0.5% to 2.5% obs/ft	Pls specify	
14.6	Heat Element Sensitivity Range for Fixed	58 degC	Pls specify	
14.7	Inbuilt CO Sensor	Yes	Pls confirm (Yes / No)	
14.8	Inbuit IR Sensor	Yes	Pls confirm (Yes / No)	
14.9	Dual bi-color LED Indication for 360 deg Viewing		Pls confirm (Yes / No)	
14.10	Addressing Method	Rotary Switch	Pls specify	
15	**Addressable Beam Detector**			
15.1	Make		Pls specify	
15.2	Model		Pls specify	
15.3	UL Listed		Pls confirm (Yes / No)	
15.4	FM Approved		Pls confirm (Yes / No)	
15.5	Total Sensitivity Levels	6	Pls specify	
15.6	Sensitivity Percentage	25% to 50%	Pls specify	
15.7	Detection Range	100 mtrs	Pls specify	
16	**Addressable Manual Call Point**			
16.1	Make		Pls specify	
16.2	Model		Pls specify	
16.3	UL Listed		Pls confirm (Yes / No)	
16.4	FM Approved		Pls confirm (Yes / No)	
16.5	Dual Action		Pls confirm (Yes / No)	
16.6	LED Indication		Pls confirm (Yes / No)	
16.7	Addressing Method	Rotary Switch	Pls specify	
17	**Addressable Control Module**			
17.1	Make		Pls specify	
17.2	Model		Pls specify	
17.3	UL Listed		Pls confirm (Yes / No)	
17.4	FM Approved		Pls confirm (Yes / No)	
17.5	Contact Rating		Pls specify	
17.6	LED Indication	Yes	Pls confirm (Yes / No)	
17.7	Addressing Method	Rotary Switch	Pls specify	
18	**Addressable Monitor Module**			
18.1	Make		Pls specify	
18.2	Model		Pls specify	
18.3	UL Listed		Pls confirm (Yes / No)	
18.4	FM Approved		Pls confirm (Yes / No)	
18.5	Contact Rating		Pls specify	
18.6	LED Indication	Yes	Pls confirm (Yes / No)	
18.7	Addressing Method	Rotary Switch	Pls specify	
C … Nil	I ….. Nil O …… Nil			
19	**Isolator Module**			

19.1	Make		Pls specify	
19.2	Model		Pls specify	
19.3	UL Listed		Pls confirm (Yes / No)	
19.4	FM Approved		Pls confirm (Yes / No)	
19.5	Contact Rating		Pls specify	
19.6	LED Indication	Yes	Pls confirm (Yes / No)	
19.7	Automatic Reset	Yes	Pls confirm (Yes / No)	
20	**Addressable Hooter/Sounder cum Strobe**			
20.1	Make		Pls specify	
20.2	Model		Pls specify	
20.3	UL Listed		Pls confirm (Yes / No)	
20.4	FM Approved		Pls confirm (Yes / No)	
20.5	Max Decibel Rating	75 dBA @ 3 mtrs	Pls specify	
20.6	Max Candella Rating	75 Cd @ 1 Hz	Pls specify	
21	**Addressable Directional Sounder**			
21.1	Make		Pls specify	
21.2	Model		Pls specify	
21.3	UL Listed		Pls confirm (Yes / No)	
21.4	FM Approved		Pls confirm (Yes / No)	
21.5	Frequency Band	20 Hz to 20K Hz	Pls specify	
21.6	Max Decibel Rating	90 dBA @ 3 mtrs	Pls specify	
21.7	Pre-programmed Voice Messages	Yes	Pls confirm (Yes / No)	
21.8	Compliance to NFPA 72, 2016 -Clause A.18.4.7.1	Yes	Pls confirm (Yes / No)	
22	**Speakers**			
22.1	Make		Pls specify	
22.2	Model		Pls specify	
22.3	UL Listed		Pls confirm (Yes / No)	
22.4	FM Approved		Pls confirm (Yes / No)	
22.5	Wattage		Pls specify	
23	**Addressable Telephone Jack Module**			
23.1	Make		Pls specify	
23.2	Model		Pls specify	
23.3	UL Listed		Pls confirm (Yes / No)	
23.4	FM Approved		Pls confirm (Yes / No)	
23.5	LED Indication	Yes	Pls confirm (Yes / No)	
24	**Telephone Jack**			
24.1	Make		Pls specify	
24.2	Model		Pls specify	
24.3	UL Listed		Pls confirm (Yes / No)	
24.4	FM Approved		Pls confirm (Yes / No)	

C …… Nil I …… Nil O …… Nil

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SCHEDULE of programme of work

[Bidder shall fill the programme & to be submitted with Technical Bid]

S. No.	Details of Items	Months 1	2	3	4	5	6	7	8	9	10
(a)	Supply of drawings for approval.										
(b)	Bringing equipment / material to site										
	1. Trigger devices										
	2. Control and indicating panels										
	3. Mimic diagrams										
	4. High / low intensity sounders										
	5. Battery unit										
	6. Wiring materials										
	7. All other items										
(c)	Installation / testing and commissioning										

Signature of Tenderer

C … Nil I ….. Nil O …… Nil

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Annexure – 5

SCHEDULE OF ADDRESS OF MANUFACTURERS

S. No.	Item	Manufacturer'sname	Place where can be offered for test / inspection	Name & Addressof the person who should be contacted
1	2	3	4	5
1	Trigger devices			
2	Control and indicator panel			
3	Sounders (a) High sensitivity (b) Low sensitivity			
4	Battery unit			
5	Telephone / Talk back system			

Signature of bidder(s)

C … Nil I ….. Nil O …… Nil

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FINANCIAL INFORMATION (FORM 'A')

I. Financial Analysis - Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Sl. No.	Particulars	Financial Year				
		2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
1	Gross Annual Turnover Amount					
2	Profit/loss (Standalone Finance Statement and Consolidated Financial Statement both)					

*(*i) Gross Annual Turn Over on construction works.

(ii) Profit/Loss (standalone financial statement and consolidated financial statement both).

II. **Financial** arrangements for carrying out the proposed work.

Signature of Chartered Accountant with Seal

Signature of Bidder(s)

C … Nil I ….. Nil O …… Nil

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FORM "B"

BANKERS' CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that M/s./ Sh……..... having marginally noted address, …….as a Customer of our bank are/ is respectable and can be treated as good for any engagement up to a limit of Rs……. (Rupees……)

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

NOTE

1. Bankers Certificates should be on letter head of the Bank, addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM "B-1"

FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT

"It is to certify that as per the audited balance sheet and profit & loss account during the financial year ....., the Net Worth of M/s …….…… (Name & Registered Address of individual/firm/ company), as on ……. (the relevant date) is Rs. …… after considering all liabilities. It is further certified that the Net Worth of the company has not eroded by more than 30 % in the last three years ending on (the relevant date)." Unique Document Identification Number (UDIN) ……

Signature of Chartered Accountant ……..……

Name of Chartered Accountant ……...……

Membership No. of ICAI

Date and Seal

BID SUBMISSION CHECK LIST

ONLINE BID SUBMISSION:

The Online bids (complete in all respect) must be uploaded online in **two** Envelops as explained below:-

Envelope – 1 (Following documents to be provided as single PDF file)			
Sl. No.	**Documents**	**Content**	**File Types**
1	**Technical Bid**	Annexure - 1	.PDF
2		EMD submission proof	.PDF
3		Duly signed and filled Annexure – 2, 3, 4, 5 with product brochure as desired	.PDF
4		Enlistment order of Contractor having enlistment in CPWD, MES, BSNL, Railways, not required for specialised agency.	.PDF
5		Certificate of work experience as desired	.PDF
6		Certificate of Financial Turnover (**Form "A".)**	.PDF
7		Banker's Certificate **(Form "B")** or Net Worth Certificate **(Form "B-1").**	.PDF
8		Certificate of GST Registration	.PDF
9		Affidavit as per provision of the clause 1.1.2 of IITD-6	.PDF
10		Acceptance to execute INTEGRITY PACT	.PDF
11		IITD 7 / 8 duly signed	.PDF
12		EPFO & ESIC Registration proof.	.PDF
13		In case of authorized dealer, e-Bid specific, tender specific authorization letter shall be required from the Original equipment Manufacturer for the Supply, Installation, Testing & Commissioning, service and support till the throughout execution of SITC and maintenance contract	.PDF
14		The letter of OEM that they will provide all the spares required for healthy functioning of the equipment for at least 7 years from the date of supply of equipment	.PDF
15		Any other document as specified in the NIT	.PDF
Envelope – 2			
Sl. No.	TYPES	Content	
1.	**Financial Bid**	Price bid should be submitted in BOQ format.	.EXL

C … Nil I ….. Nil O …… Nil

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SCHEDULE OF QUANTITY

Name of work: S/I/T/C of Addressable Fire Detection-cum-Alarm & Public Address System in Academic Blocks, Computer Service Center & Mathematics Department at IIT Delhi campus Including 5yrs. maintenance.

Sr. No.	Description of Item	Qty.	Unit	Rate	Amount
	Sub Head 1 :- Fire detection and public address System				
1	Supplying, installation, testing & commissioning of intelligent analog addressable photo thermal detector complete with mounting base complete as required.	1900	Nos.		
2	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor complete with base as required.	100	Nos.		
3	Supplying, installation, testing & commissioning of addressable **manual call point** complete as required.	130	Nos.		
4	Supplying, installation, testing & commissioning of addressable **horn cum strobe** complete as required.	100	Nos.		
5	Supplying, installation, testing & commissioning of addressable **strobe** complete as required.	100	Nos.		
6	Supplying, installation, testing & commissioning of addressable **phone control module** complete as required.	30	Nos.		
7	Supplying, installation, testing & commissioning of **fire fighter phone jack** complete as required.	30	Nos.		
8	Supplying, installation, testing & commissioning of **response indicator** on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	550	Nos.		
9	Supplying, installation, testing & commissioning of **fault isolator** complete with base as required.	120	Nos.		
10	Supplying, installation, testing & commissioning of addressable **beam detector** with short circuit isolator (inbuilt or seperate) complete with emitter and receiver including connections with remote test features etc complete as required.	03	Nos.		
11	Supplying, installation, testing & commissioning of 6 inches dia, 2 watts, 70/100 volts **ceiling speaker** complete as required.	200	Nos.		
12	Supplying, installation, testing & commissioning of **intelligent addressable programmable sounder** complete as required.	90	Nos.		
13	Supplying, installation, testing & commissioning of intelligent **addressable multi criteria** (Smoke + Heat + CO + IR) detector including suitable photo detector complete with base as required.	06	Nos.		

C … Nil I ….. Nil O …… Nil

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14	Supplying, installation, testing & commissioning of intelligent addressable High Sensitivity Photo Detector with sensitivity level of 0.02% to 2% Obs/Feet. The detector shall have the parabolic amplifier to focus the light beam to a very small volume near the receiving photo sensor at the incipient stage of fire- when the smoke particles are lesser than 0.3 microns intrudes inside the detection chamber & shall have better response time at much earlier stage of fire.. The detector shall have twin bi-colour LED for 360 deg viewing. Addressing shall be with user friendly rotary decimal switches.	15	Nos.		
15	Supplying, installation, testing & commissioning of 6 zone, voice alarm controller with USB, MP3 player (including 6 zone button paging station) with seamless integration facility with main fire alarm panel for voice evacuation complete as required.	01	Nos.		
16	Supplying, installation, testing & commissioning of Voice command keypad 6 zone, with microphone assembly complete as required.	01	Nos.		
17	Supplying, installation, testing & commissioning of intelligent interface unit BAC net/ Modbus protocol i.e. supplying communication links between building management system and fire alarm control panel complete as required.	01	Nos.		
18	Supplying, installation, testing & commissioning of **exit point directional sound speaker** with voice and integral audio amplifier with selectable sound pulse patterns complete as required.	10	Nos.		
19	Supplying, installation, testing & commissioning of addressable **fire control module** complete as required.	40	Nos.		
20	Supplying & laying of 2x1.5 sqmm fire alarm armored cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	20000	Mtr.		
21	Supplying and drawing of cable **Fire Retardant** PVC insulated copper conductor cable in the existing surface / recessed steel conduit of following pairs, cores and size including connections and interconnections etc. as required.				
21.1	Speaker cable Single pair, 2-core, 1.5 sqmm	4500	Mtr.		
22	Supplying and fixing of following sizes of **steel conduit** along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
22.1	20mm dia	2340	Mtr.		

C … Nil I ….. Nil O …… Nil

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23	Supplying, installing, testing and commissioning approved make Microprocessor based Multi-loop, Networkable Addressable **Fire Alarm Control Panel** with minimum 600 characters LCD display, **4000 trouble events including 1000 alarm log history events**, **Self-Programmable alphanumeric keypad for programming.** The panel should be equipped with sufficient number of loops & each loop shall have a capacity of minimum 125 detectors & 125 other devices excluding 20% spare. The panel shall work in **degrade mode in case of CPU failure**, Products not having this feature may offer Redundant CPU. Four access levels, flash EPROM, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and 30 mins in alarm condition with **the charging capacity of 200AH**. The panel shall be capable of self programing **without any dependancy on dongle** or programming software. Quoted rate shall include supply of necessary software & hardware for programming the panel with all necessary licence. Panel shall have **Modbus/ Bacnet over IP protocol** for future integration with BMS. However, for present arrangement FA system will be standalone with 24x7 monitoring. **The panel shall be capable for remote accessibility on a mobile app through cloud platform/solution. Complied to meet UL864, 10th Edition and FM Approved.**				
23.1	Ten Loop Panel	03	Job		
23.2	Two Loop Panel	02	Job		
24	Supplying, installation, testing & commissioning of digital audio amplifier 75 Watt, 25V rms operating at 240 Volt AC Supply complete as required.	05	Each		
25	Supplying, installation, testing & commissioning of Talk Back (Two Way Communication) Fire Fighter telephone Control Panel and will be of same make of FAS Panel and seamlessly integrated. The panel shall be seamlessly Integrated to 8 channel Digital Voice Evacuation System Controller capable of broadcasting Evacuation Messages on same peer-to-peer Network and 2 ways Communication Fire Fighters System. The Fire Fighters Telephone System shall be capable of having minimum 30 Telephones in conference in multiple FFT Risers.	01	Each		
26	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.				
26.1	1 run of cable	900	Mtr.		

C … Nil I ….. Nil O …… Nil

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27	Routine, preventive and breakdown maintenance & round the clock x 7 days monitoring of installed Fire Detection & Alarm system by deputing skilled technical [minimum ITI Electrical / Electronics / Instrumentation passed] person[s] who shall be vigilant and be available round the clock x 7 days etc. as required. [N.B. - [a] Materials, if any, required due to fault / malfunction of the system beyond DLP to be given by the Institute & to be replaced by the contractor [b] Attendance of deputed staff shall be maintained through manual as well as biometric machine to be kept in the fire control room [c] any shortfall of attendance of staff will affect the billing proportionately [d] Latest Labour regulation shall be complied strictly]. 1 Year : Free of cost [Totally Comprehensive] 1 Job means for a period of 01 month				
27.1	2nd year	12	Job		
27.2	3rd year	12	Job		
27.3	4th year	12	Job		
27.4	5th year	12	Job		
27.5	6th year	12	Job		
	TOTAL				

JE(E)

EE (ED-I)

C … Nil I ….. Nil O …… Nil

D'Man AEE / AE EE