

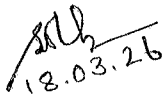
# NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA

Barjala, Jirania, P.O- NIT Agartala, West Tripura, Pin: - 799046,  
Url :- [www.nita.ac.in](http://www.nita.ac.in)

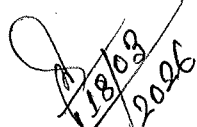
DNleT No.: 146/NITA/Estate Elect./2026-27

## SUPPLY & INSTALLATION OF LIFT IN THE DINING HALL (G+1) OF GARGI HOSTEL AT NIT AGARTALA

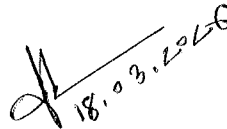
*Certified that this DNleT contains 63 (Sixty-Three) pages numbered from 1 to 63*

  
18.03.26

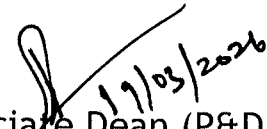
J.E (Elect.)

  
18/03/2026

A.E (Elect.)

  
18.03.2026

Estate Engineer

  
17/03/2026

Associate Dean (P&D) Elect.

*Draft Notice Inviting e-Tender for an amount of Rs. 19,06,024/- (Rupees Nineteen Lakh Six Thousand Twenty-Four Only) containing 63 (Sixty-Three) pages is hereby  
APPROVED*



Dean (P&D)

Contractor


For and on behalf of NIT Agartala

# NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA

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Contractor



For and on behalf of NIT Agartala



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला  
National Institute of Technology Agartala

Agartala, Tripura, India, Pin-- 799046



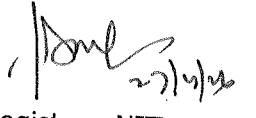
No.F.NITA.23(333E)/Estate Elect./2026/..7.5.7..6.2.....

Date:- 29/4./2026

Press Notice Inviting E-Tender (PNIE-T)

On behalf of NIT Agartala, the Registrar NIT Agartala invites Item rate e-tender from the eligible registered bidder for "Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala" upto 05:00 PM on 01/06/2026. For details, please visit <http://www.nita.ac.in> & <https://eprocure.gov.in>. Date of opening of bid on 03/06/2026 at 11:00 AM

Any subsequent corrigendum will be available in the website only.

  
Registrar, NIT Agartala

To,

**Ridge Advertising & Marketing Consultants, F-32, 1st Floor (Back Side), Roshpa Tower, Main Road, Ranchi-834001, Jharkhand**, with a request to publish the notice in 03 (Three) Local Newspapers i.e. Dainik Sambad, Tripura Times & Tripura Observer including 2 (Two) National Newspapers i.e. Assam Tribune & Times of India (North East) on 05/05/2026.

Copy to:

1. P.S. to the Director, for kind information of Director please.
2. The Nodal Officer, e-Procurement, NITA with a request to kindly arrange uploading the Tender Documents in the CPP portal <https://eprocure.gov.in/cppp>.
3. A.R (Purchase)/A.R (Admin-2), NIT Agartala with a request to uploading the Tender documents in the Institute website site & CPP portal <https://eprocure.gov.in/cppp> and complete all procedure.
4. The A.R (Finance), for kind information.
5. Mr. Kamal Kanti Paul, System Administrator with a request to uploading the Advertisement and relevant documents in the website: <https://eprocure.gov.in/epublish/app> & <http://www.nita.ac.in>.

  
Registrar, NIT Agartala

# राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

## National Institute of Technology Agartala

Agartala, Tripura, India, Pin-- 799046

### PRESS NOTICE INVITING e-TENDER

No. F.NITA-23(333E)/Estate Elect./2026

Sealed item rate e-tender in two bid system (Technical and Price Bid) are invited for and on behalf of NIT Agartala from Central & State Public Sector Undertaking / Enterprise and eligible Contractors / Firms / Agencies of appropriate class registered with state PWDs / CPWD/ MES Railway / P & T or others registered firms as per following tables.

Sl. No	Description	Earnest Money (Rs.)	Completion period	Cost of Tender Doc. (Rs.)	Last Date of Submission of bid/offers.	Date of Opening (If possible)
1.	Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala.	Rs. 38,120/-	180 Days	Rs. 500/-	.../.../2026 (Upto 5.00 PM)	.../.../2026 (at 11.00 AM)

Eligible bidders shall participate in bidding only in online through website <https://eprocure.gov.in>. Bidders are allowed to bid 24x7 until the time of Bid closing, with option for Re-Submission, wherein only their latest submitted Bid would be considered for evaluation. The e-Procurement website will not allow any Bidder to attempt bidding, after the scheduled date and time. **Submission of bids physically is not permitted.**

**Earnest Money(Refundable) and Bid Fee/tender cost(Non-Refundable) are to be paid /transferred separately to the Institute Account No.30936141729, IFSC CODE:SBIN0011491, MICR No:799002525, State Bank of India, NIT Agartala Branch, through Electronic Transfer/Online transfer system.**

Bid(s) shall be opened through online by respective Bid openers on behalf of the NIT Agartala and the same shall be accessible by intending Bidder through website <https://eprocure.gov.in>. However, intending bidders and other Bidders may like to be present at the Bid opening.

For any enquiry, please contact by e-mail to [estateelectrical.nita@gmail.com](mailto:estateelectrical.nita@gmail.com) & [estatesectioncivil@gmail.com](mailto:estatesectioncivil@gmail.com).

**Any subsequent corrigendum will be available in the website only.**

Details are available in the Institute's website: <http://www.nita.ac.in> & <https://eprocure.gov.in>

Contractor

For and on behalf of NIT Agartala

**राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला**  
**National Institute of Technology Agartala**  
 Agartala, Tripura, India, Pin-- 799046

**NOTICE INVITING eTENDER**

**Ref: eTender Notice No. F.NITA-23(333E)Estate Elect./2026**

NIT Agartala invites online item rate tender in two bid system (Technical and Price Bid) through e-procurement portal for the under mentioned Arte Contract at NIT Agartala from the eligible bidders as per the eligibility criteria mentioned in the bid document. The details are given below:

**TECHNICAL BID :-**

**A. Schedule of Important Events / Activities**

**A.1 Information Related to Bid**

A.1.1	DNleT No. : 146/NITA/Estate Elect./2026-27	
A.1.2	Description	Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala.
A.1.3	Earnest Money Deposit (Rs.)	<b>Rs. 38,120/-</b> (Rupees Thirty-Eight Thousand One Hundred Twenty Only) by e-payment through electronic mode. (The bidders will be exempted from submission of Bid EMD on production of requisite proof in respect of valid certification from competent authority for the tendered item as per limit authorized to bidder i.e NSIC/MSME certificate)
A.1.4	Tender Processing Fee (Rs.)	<b>Rs. 500/-</b> (Rupees Five Hundred Only) by e-payment through electronic mode (Non-Refundable) (The bidders will be exempted from submission of Bid Tender processing Fee on production of requisite proof in respect of valid certification from competent authority for the tendered item as per limit authorized to bidder i.e NSIC/MSME certificate)

Contractor


For and on behalf of NIT Agartala

A.1.5	Period of Completion	Completion period for supply and installation of works would be 180 Days from the effective date of placing Work Order/LOA/LOC.
A.1.6	Mode of submission of Tender	On-Line mode only
A.1.7	Warranty Period	1 (One) Year after the completion of the work.

## A.2 Key Events and Dates

A.2.1	Publishing Date	___/___/2026
A.2.2	Period of seeking clarification	Bidders may visit at NIT Agartala campus from ..../..../2026 to ..../..../2026 upto 05.00 PM on all working days for the work related to site visit.
A.2.3	Last date and time of closing of uploading/online submission of tender including scanned copy of EMD and tender Processing Fee details/receipts and other documents as specified	Upto 05:00 PM on ..../..../2026
A.2.4	Date & Time of online opening of technical bid	11:00 AM on ..../..../2026
A.2.4	Date & Time of online opening of financial bid	Will be notified later.

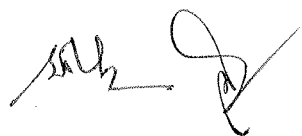

Contractor

  
 For and on behalf of NIT Agartala

## A.3 Other Important Information Related to Bid

A.3.1	Performance Guarantee	Successful Bidder must have to submit the performance security @ 5 % of the order value or Contract value in the form of Fixed Deposit/ Bank guarantee from a schedule commercial bank and will be retained up to the warranty period.
A.3.2	Mode of payment of Tender Processing Fee and EMD	<p><b>Bidders will have to deposit the Tender Processing Fee and EMD through On-Line mode only. Details for the same are as below:</b></p> <p>Name of beneficiary : NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA</p> <p>Address : Barjala, Jirania, West Tripura-799046</p> <p><b>Account No.</b> : No.30936141729, MICR No:799002525</p> <p>Name of the Bank : State Bank of India</p> <p>Address of the bank : NIT Agartala</p> <p>IFSC Code : SBIN0011491</p> <p>Bidders will have to upload scanned copy of Payment details towards cost of tender processing fee &amp; EMD during the submission of tender and the same will be accepted only on verification &amp; confirmation by the Institute. Any delay in credit will not be entertained by the Institute.</p>
A.3.3	Bid Validity	180 Days from the date of opening of Bid.


Contractor



 For and on behalf of NIT Agartala

## B. Guidelines for e-Tendering

- B.1** It is mandatory for all the applicants to have class II or III digital signature certification from licensed certifying agency like NIC, MTNL, e-mudra, TCS, safescrypt, GNFC etc.
- B.2** Detailed NIT can be viewed free of cost on NIT Agartala website under the URL <http://www.nita.ac.in/tenders/> . Schedule of quantities (Financial bid form) can be downloaded only from <https://eprocure.gov.in/eprocure/app>. Uploading of tender will be possible only after making payment of Tender Processing Fee and EMD.
- B.3** The tender shall be submitted online in the prescribed format before the date and time as mentioned in NIT. No other mode of submission is acceptable.
- B.4** The applicant have to upload the details of e-payment of processing fee & EMD before the last date & time and download the tender documents from the e-tendering portal <https://eprocure.gov.in/eprocure/app>.
- B.5** Tenderer are advised to upload their documents well in time to avoid last minute rush on the server or complication in uploading. NIT Agartala will not be responsible for any type of problem in uploading the documents. No hard copies for tender submission shall be entertained.
- B.6** Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited e-Tender Processing Fee and Earnest Money Deposit and other documents scanned and uploaded are found in order.
- B.7** Information and Instructions for bidders posted on website shall form part of bid document.
- B.8** The bid document consisting of specifications, the schedule of quantities of various types of items to be supplied 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 <https://eprocure.gov.in/eprocure/app> free of cost.
- B.9** Bids from Joint Ventures are not acceptable.
- B.10** On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor, bid sheets.
- B.11** Contractor can upload documents in the form of JPG format and PDF format.

Contractor

  
For and on behalf of NIT Agartala

**B.12** The price bid format is provided in a spread sheet file like BoQ\_price bid.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Price Bid/BOQ template must not be modified/replaced by the bidder; else the bid submitted is liable to be rejected for this tender.

**B.13** Completed Tenders containing technical bid and price bid will be received ONLINE only on CPP Portal website <https://eprocure.gov.in/eprocure/app> at the fixed time and date indicted in the NIT. The Tenderer will be at liberty to be present either in person or through an authorized representative at the time of opening of the Bid with the Bid Acknowledgement Receipt or they can view the bid opening event online at their remote end.

**B.14** If there are any clarifications, this may be obtained online through the tender site, or thro' the contact details. Bidder should take into account the corrigendum published before submitting the bids online.

**B.15** It is construed that the bidder has read all the terms and conditions before submitting their offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the bid will be rejected.

**B.16** The bidder has to digitally sign and upload the required bid documents one by one as indicated. Bidders to note that the very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read all sections and pages of the bid document including General conditions of contract without any exception and have understood the entire document and are clear about the requirements of the tender requirements.

**B.17** The bidders are requested to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour. Tenderers are advised to upload their documents well in time to avoid last minute rush on the server.

**B.18** The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time during bid submission.

**B.19** Custom Duty Exemption Certificate will be provided from the Institute for availing Custom Duty Exemption in trams of notification No.51/96-Custom dated 23-07-1996, amended by notification No.43/2017 dated 3-06-2017, further amended by notification No.42/2022 dated 13-07-2022, as amended from time to time in case of imported items per OM No.F.4/1/2021-PPD dated 01-09-2021.



Contractor



For and on behalf of NIT Agartala

## C. Other information and terms & conditions

- C.1 The bid submitted shall become invalid and e-tender processing fee shall not be refunded if:
- If the bidder is found ineligible.
  - If the documents submitted by the successful bidder does not match with the originals before the award of work.
- C.2 The Contractors/companies that were black listed at any stage need not to apply.
- C.3 The Audited Balance Sheet and Financial Statements from CA (Chartered Accountant) for last three years (2023-2025) showing **Average Annual Turnover (AAT)** should not be less than **Rs. 1 Crore** (Criteria of AFT).
- C.4 IF ANY INFORMATION FURNISHED by the applicant is found to be incorrect at a later stage, they shall be liable to be debarred from tendering/ taking up Work in NIT AGARTALA.
- C.5 The competent authority on behalf of the Director NIT Agartala 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 bidders shall be summarily rejected.
- C.6 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.
- C.7 Each participant has to bid for all the items. Selective bidding for a few items or some of items shall not be allowed. The prospective has to bid for all the items.
- C.8 *The bid for the Work shall remain open for acceptance for a period of ninety (180) days from the date of opening of bid. If any bidders 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 NIT Agartala shall, without prejudice to any other right or remedy, be at liberty to forfeit 100% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.*

Contractor

  
For and on behalf of NIT Agartala

**C.9** This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

- The Notice Inviting Bid, all the documents including additional conditions, specifications, General Conditions of Contract 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.
- Any other Standard CPWD Form /other forms as applicable/mentioned.

**C.10** Mode of payment of Tender Processing Fee and EMD: Bidders may deposit the Tender Processing Fee and EMD through online mode only. Details for the same are as below:

Name of beneficiary : NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA  
Address : Barjala, Jirania, West Tripura-799046  
Account No. : No.30936141729, MICR No:799002525  
Name of the Bank :State Bank of India  
Address of the bank :NIT Agartala  
IFSC Code : SBIN0011491

**Bidders will have to upload scanned copy of Payment details towards cost of tender processing fee & EMD during the submission of tender and the same will be accepted only on verification & confirmation by the Institute. Any delay in credit will not be entertained by the Institute.**

**C.11** TAXES: -

- The taxes as applicable shall be deducted from each bill paid to the contractor.
- Item rate should be inclusive of GST and other charges.**
- Income Tax and Cess as applicable shall be deducted from each bill paid to the contractor.
- Contractor should be registered under EPF and as per law, shall pay EPF of contract workers to concerned Department from time to time.
- Any other taxes/cess as per Government directives shall be deducted from each bill paid to the contractor from time to time or as per rule in case of manufacturer.

**C.12** For any queries regarding e-tendering process, the bidders are requested to contact as provided in the tender document. Parallely, for any further queries, the bidders may send a mail over to [estateelectrical.nita@gmail.com](mailto:estateelectrical.nita@gmail.com) & [estatesectioncivil@gmail.com](mailto:estatesectioncivil@gmail.com)

Contractor



For and on behalf of NIT Agartala

**C.13** The specifications, Terms & Conditions, other regulations which are not herein mentioned will be guided by relevant CPWD guidelines, manual, specifications / BIS / IS/ Other Central / State Govt. norms applicable for NIT Agartala & as prescribed by the OEM and the decision in this regard will be guided by the decision of the respective authority of NIT Agartala which shall be final and binding to the contractor.

**C.14** Tender documents may be downloaded from Central Public Procurement Portal <https://eprocure.gov.in/eprocure/app>. Aspiring Bidders/ Suppliers who have not enrolled / registered in e-procurement should enroll /register before participating through the website <https://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost.

**C.15** Tenderers can access tender documents on the website, fill them with all relevant information and submit the completed tender document into electronic tender on the website <https://eprocure.gov.in/eprocure/app>.

**C.16** Tenders and supporting documents should be uploaded through e-Procurement. Hard copy of the tender documents will not be accepted.

**C.17** In the event of acceptance of a tender, the documents submitted by the successful bidder shall be verified with the originals before the award of work.

**C.18** The tenderer should not have been blacklisted or debarred by any Central/ State / Public Agency from carrying out similar business during last three financial years. In this respect, the bidder has to submit Affidavit in Rs.100/- non-judicial stamp paper.

**C.19** The party whose tender has been accepted has to enter in an agreement immediately after LOA/LOC is issued.

**C.20** Performance guarantee @ 5% of tendered amount has to be furnished within 15 (Fifteen) days of issue of LOA.

**C.21** If called for, originals of the document submitted shall be produced.

**C.22** Latest General condition of contract (GCC) of CPWD will be applicable to the extent relevant to the job.

**C.23** If there is multiple L1, then the contract shall be awarded to the bidder having highest Average Annual Turnover amongst those.

**C.24** Any dispute is subject to the jurisdiction of Civil Court, Tripura.

Contractor

  
For and on behalf of NIT Agartala

C.25 This work covers "Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala". GST Return for last three financial years is also required.

C.26 The work shall be supplied as per GFR 2021/CPWD general specifications for electrical items with upto date amendments as per relevant IS/ BIS /Other Central Govt./state Govt. norms, OEM standards applicable and as per directions of Engineer-in-Charge. These additional specifications are to be read in conjunction with above. However, nothing extra shall be paid on account of these additional specifications & conditions as the same are to be read along with schedule of quantities for the work.

C.27 Necessary clarification required by the NIT Agartala shall have to be furnished by the Tenderer within the time given by the NIT Agartala for the same. The Tenderer will have to depute his representative to discuss with the officer(s) of the NIT Agartala as and when so desired. In case, in the opinion of the NIT Agartala a Tenderer is taking undue long time in furnishing the desired clarifications, his bid will be rejected without making any reference.

**C.28 A tenderer will also not be allowed to withdraw or modify any condition at a time after the bids have been accepted by the NIT Agartala.**

C.29 The Tenderer should in his own interest visit the site and familiarize himself with the site conditions before tendering.

C.30 No T&P shall be issued by the NIT Agartala and nothing extra shall be paid on account of this.

C.31 The Tenderer will have to fill up their rates only in the price bid in BoQ format inclusive of Taxes, packing & transportation charges or any other charges of the materials. Tenders in which the price bids are given in any other format are liable to be rejected.

C.32 The NIT Agartala 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.

C.33 All materials, articles, spares shall be of respective best quality and kind for the class described in the schedule of quantities and specifications. All materials, so used in different items of work shall be subject to the approval of the Engineer-in-charge.

C.34 The payment shall be on the actual quantity executed under the work.

C.35 No extension of time shall be granted to the contractor on account of rains or inclement weather conditions.



Contractor

For and on behalf of NIT Agartala

**C.36 Terms of Payment:**

It will be mandatory for the Bidders to indicate their bank account numbers and other relevant e-payment details so that payments could be made through NEFT/RTGS mechanism instead of Payment through cheque. No Advance payment will be Made. Payment will be done on satisfactory completion of work.

The following percentage of contract rates for the work shall be payable against the stage of work shown herein.

- a. 40% after initial inspection and delivery of lifts items at site in good condition on pro-rata basis.
- b. 30% after completion of installation in all respects.
- c. Balance 30% will be paid after testing, commissioning & handing over with NOC to the department for beneficial use (Operation).

**C.37 Performance Guarantee:**

The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount within 15 (Fifteen) days of issue of LOA. This guarantee may be in the form of Banker's cheque of any nationalized bank/Demand Draft of any nationalized bank. In case the contractor fails to deposit the said performance guarantee within the period as indicated above, including the extended period (Maximum allowable extension with another 07 days with late fee @ 0.1% per day of Performance Guarantee amount), the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

**C.38 Refund of performance guarantee:** The performance guarantee shall be refunded to the contractor six months after the completion of the work.

**C.39 COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS:** Work shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the work covered by these specifications.

**C.40 INDEMNITY:** The successful tenderer/bidder shall at all times indemnify the NIT Agartala, consequent on this Work. The successful tenderer/bidder shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the NIT Agartala shall not be responsible for any accident or damage incurred or claims arising there from during the contract period under the supervision of the successful tenderer/bidder in so far as the latter is responsible.

**C.41 Mobilization advance:** Not Applicable.

Contractor

For and on behalf of NIT Agartala



**C.42 Quality Assurance**

Assurance of quality is the responsibility of the firm and firms are to indicate exclusively and submit proofs of quality assurance norms being followed. The certificate of the Quality Assurance committee of the agency should be submitted to NIT Agartala.

**C.43 Inspection**

The inspection of lift would be carried out by the NIT Agartala representative at factory/seller premises (if required), inspection cost borne by contractor/vendor/seller.

**C.44** The bidder should be either OEM/Authorized Channel partner/ A Class Electrical Contractor of having experience of supply & installation of lifts. The nature of completed work should be supply & installation in various Government organization, Institutes/Reputed Institutes.

**C.45 Cancellation of Contract**

In cases of poor workmanship and non-compliance of tender/agreement or services provided by the contractor are not found to be satisfactory, the contract shall be terminated by the department by giving 10 days' notice even before the expiry of contract period and shall be forfeited the security deposit/EMD etc. without assigning any reason what so ever.

**C.46** During the warranty period all of the electrical, mechanical, electronics, Software types of materials/ essential spare parts i.e. the whole system related to the Lift should be supplied & installed by the agency/ contractor in his own cost.

Contractor



For and on behalf of NIT Agartala

## D. Bidder Qualification Criteria for Technical Part.

### The qualification criteria are as follows:

1. The bidder should be an Indian registered company, proprietary firm, Partnership firm, Limited Company engaged in respective area of works who possess the required licenses (A Class Electrical Contractor), registrations etc. as per law valid at least for 6 months from the date of the opening of tender.
2. **Annual Financial Turnover:** The Audited Turnover certificate from CA (Chartered Accountant) for three years showing annual turnover which should not be less than Rs. 1 (One) Crore in average as per annexure.
3. Copies of **Work Order/Purchase Orders** related to similar nature of work during the last three years.
4. **Work Experience (Completion Certificates):** The bidders having experience of successfully & satisfactory completed similar nature of work issued by any officer of the Department during the last 3 years ending last day of the month previous to the one in which applications are invited. *The Work completed up to previous day of last date of submission of tenders shall also be considered.*
5. Copy of **valid license regarding engagement of workers** in the contract works from Labour Department, Government of India/ Other States.
6. **Annexure-1 & 3 to 9** to be Printed on letterhead of firm/ company and uploaded with proper sealed & signed.
7. Certificate of **PAN** (Permanent Account Number).
8. The bidder should be either **OEM/Authorized Channel partner/ A Class Electrical Contractor** of having experience of supply & installation of Lifts.
9. **Full bid documents to be downloaded** and uploaded with proper sealed & signed in every pages with filled up all blanks/ spaces as a proof of acceptance of all terms conditions in the DNleT.
10. **GST** (Goods & Services Tax) Registration Certificate.
11. **EPF & ESIC** registration certificates.
12. Details of Cost of Bid Documents & Earnest Money deposited (**e-payment**).
13. Copy of **Solvency Certificate**.
14. Last three year's copies of Income Tax Return Form (Assessment Year : 2022-23, 2023-24 & 2024-25)

Contractor

For and on behalf of NIT Agartala

<b>E.</b>	<b>List of Documents to be scanned and uploaded for technical part.</b>
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While submitting bid, the Scanned copies of the following certificates are to be uploaded:

- i) PO/Wos related to similar nature of work during the last three years.
- ii) Completion Certificates issued by any officer of the Department.
- iii) Incorporation/ Registration of firm
- iv) CA Certificate for Audited Turnover for three years showing annual turnover for FY 23-24, 24-25, 25-26.
- v) PAN (Permanent Account Number)
- vi) GST (Goods & Services Tax) Registration Certificate
- vii) Annexure-1 & 3 to 9 on letterhead of firm/ company.
- viii) EPF & ESIC registration certificates
- ix) E-payment details towards cost of tender processing fee & EMD
- x) Whole bid document with proper sign & seal.
- xi) Aadhaar card copy of the authorized officer of the company/firm (During the signing of agreement) (Later Stage)
- xii) Labour License.
- xiii) Certificate of OEM/Authorized Channel partner/ A Class Electrical Contractor.
- xiv) Solvency Certificate.
- xv) Indian Income Tax Return Acknowledgement
- xvi) Schedule of Price Bid in the form of BoQ\_.xls

Contractor



For and on behalf of NIT Agartala

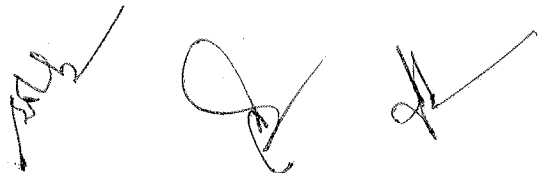
**F. Safety Codes**

Relevant safety codes of the CPWD to the extent applicable to the NIT Agartala. Decision in this regard will be governed by the competent authority of NIT Agartala which shall be final and binding to the contractor.

**G. Fire Safety**

This will be as per the Fire Safety codes of the CPWD to the extent applicable to the NIT Agartala. Decision in this regard will be governed by the competent authority of NIT Agartala which shall be final and binding to the contractor.

Contractor



For and on behalf of NIT Agartala

**H. Form of Performance Security (Guarantee)**

**Form of Performance Security (Guarantee) Bank Guarantee Bond**

In consideration of the Director, NIT Agartala (hereinafter called "The NIT Agartala") having offered to accept the terms and conditions of the proposed agreement between.....and ..... (hereinafter called "the said Contractor(s)") for the ..... (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. .... (Rupees ..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, ..... (hereinafter referred to as "the Bank") hereby undertake to pay to the NIT Agartala an amount not exceeding Rs. .... (Rupees..... Only) on demand by the NIT Agartala.

2. We, .....(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the NIT Agartala stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupeesonly)

3. We, the said bank further undertake to pay the NIT Agartala any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.

4. We, ..... (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the NIT Agartala under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in- Charge on behalf of

Contractor

For and on behalf of NIT Agartala

the NIT Agartala certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, ..... (indicate the name of the Bank) further agree with the NIT Agartala that the NIT Agartala shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the NIT Agartala against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the NIT Agartala or any indulgence by the NIT Agartala to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. We, ..... (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the NIT Agartala in writing.

8. This guarantee shall be valid up to .....unless extended on demand by the NIT Agartala. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees..... ) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged. Dated the ..... day of .....for... ..... (indicate the name of the Bank).

Contractor

  
For and on behalf of NIT Agartala

**I. Integrity Pact**

**INTEGRITY PACT**

To,

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

Sub: DNleT No.: 146/NITA/Estate Elect./2026-27 for "Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala".

Dear Sir,

It is here by declared that NIT Agartala is committed to follow the principle of transparency, equity and competitiveness in public procurement. The subject Notice Inviting e-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 tender/bid documents, failing which the tenderer/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 NIT Agartala.

Yours faithfully

Registrar, NIT Agartala

Contractor

For and on behalf of NIT Agartala

## Letter of Transmittal

To,  
The Registrar,  
NIT Agartala,

Sub: DNleT No.: 146/NITA/Estate Elect./2026-27 for "Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala".

Dear Sir,

I/We acknowledge that NIT Agartala 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 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 work 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 NIT Agartala. 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, NIT Agartala shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

**(Duly authorized signatory of the Bidder)**

Contractor

For and on behalf of NIT Agartala



### INTEGRITY AGREEMENT

This Integrity Agreement is made at ..... on this..... day of ..... 2026

BETWEEN

The Director, NIT Agartala represented through Registrar, NIT Agartala, (Principal /Owner)

AND

..... (Name and Address of the Individual/firm/Company)

Through.....

(Hereinafter referred to as the (Details of duly authorized signatory) "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 vide DNleT No.: 146/NITA/Estate Elect./2026-27 for "Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala" hereinafter referred 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 enter into 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:

Contractor

For and on behalf of NIT Agartala

Article 1: Commitment of the Principal/Owner

(1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the Work, 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.

(b) 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.

(c) 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 (PC 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)

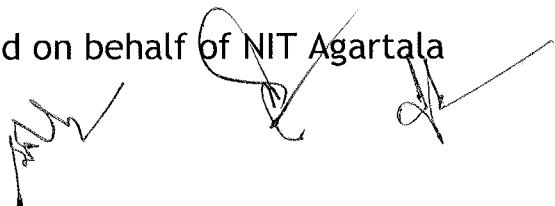
(1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the NIT Agartala / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, 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:

(a) 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 of the Contract or to any third person

Contractor

For and on behalf of NIT Agartala



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 Contract.

(b) 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.

(c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC 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. (d) 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.

(d) 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 practice means a willful 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 NIT Agartala 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

Contractor

For and on behalf of NIT Agartala



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 the 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 supplied 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.

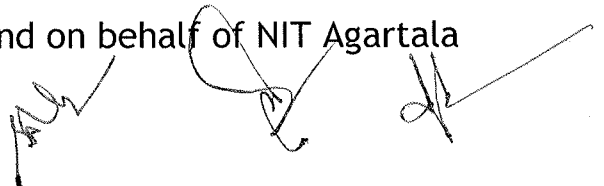
(3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this 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.

Contractor

For and on behalf of NIT Agartala



(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 Subcontractors/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

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 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. 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, NIT Agartala.

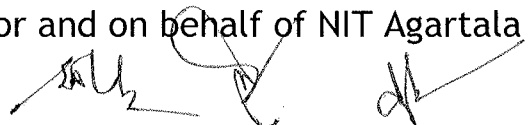
#### Article 7- Other Provisions

(1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters 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.

Contractor

For and on behalf of NIT Agartala



(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

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 supplied 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:

Contractor

For and on behalf of NIT Agartala

**J. Agreement**

**AGREEMENT**

THIS AGREEMENT made on the \_\_\_\_\_ day of \_\_\_\_\_ 2026 between NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA (hereinafter called "The NIT AGARTALA" which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) of the one part AND \_\_\_\_\_ (herein after called "The Contractor" which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns) of the other part.

WHEREAS

The NIT AGARTALA is desirous of carrying out of "Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala".

The Work is to be executed as per the schedules mentioned in tender document and specifications describing the contract to be done.

The Contractor has agreed said Work subject to the provisions hereinafter contained and subject also to General Conditions of Contract, Special conditions of contract, Safety Code, Model Rules for the protection of health and Sanitary arrangements for work ers, Specifications, Preambles and Schedule of Quantities and work schedule (all of which are hereinafter collectively referred to as the 'said tender conditions') and strictly in accordance with the Scope of work annexed hereto at or for the respective rates set out in the Schedule of Quantities amounting to the sum as there under arrived at or such other sums as shall become payable there under (hereinafter referred to as the said tendered amount).

NOW IT IS HEREBY AGREED AS FOLLOWS: -

1. In consideration of the said tendered amount to be paid by The NIT AGARTALA to the Contractor at the time and in the manner set forth in the said tender conditions and in accordance with the Schedule of Payments to complete the work shown strictly in accordance with the specifications, scope of work and Schedule of Quantities.
2. The said tender conditions, scope of work and the annexures hereto shall be read and considered as forming part of this contract and the parties hereto shall respectfully abide by to the said conditions and perform the agreement on their part respectively contained in the said conditions.

Contractor

For and on behalf of NIT Agartala



3. The approved quality and technical specification etc. shall also form the basis of this contract.
4. This contract is neither a Lump sum Contract, nor a piece contract, but is a Work to be carried out and to be paid for according to the Schedule of Payments at the rates contained.
5. The contract herein contained shall comprise not only the Work mentioned above but all subsidiary Work connected therewith within the same site as may be ordered to be done from time to time by the said Engineer In charge for the time being, even if such work may not be shown on the said Drawings or described in the said Specifications and Schedule of Quantities.
6. The NIT AGARTALA reserves to themselves the right of altering the specifications and the nature of the work by adding to or omitting from the scope of work any item of work or portions of the same without prejudice to this contract.
7. Time shall be considered as the essence of this contract and the Contractor hereby agrees to commence the work within 15 days from the date of issue of LOA or from the date of handing over of the site, as provided for in the said terms and conditions, whichever is later, and shall complete the entire work within the specified period, subject nevertheless the provisions for extension of time as may be agreed to by the NIT AGARTALA and as contained in the said conditions.
8. All payments by the NIT AGARTALA under this contract shall be made only at NIT Agartala.
9. All disputes arising out of or in any way connected with this contract shall be deemed to have arisen at Agartala and courts in Agartala only shall have jurisdiction to determine the same.
10. That the contract and several parts of this contract have been read by the contractor and fully understood by him. The contractor shall not be entitled for payment beyond tendered quantities & scope of work as specified unless ordered specifically by written instructions of competent authority of NIT AGARTALA.
11. This contract shall be signed in duplicate, the original whereof shall be kept in the custody of the NIT AGARTALA, and the duplicate with the Contractor.

IN WITNESS WHEREOF the NIT AGARTALA has set his hands hereunto and two duplicates hereof through his duly authorized official and the Contractor has caused these presents and two duplicates hereof under his common seal by his duly authorized representative at the place and on the date month and year first herein above written.

Contractor

For and on behalf of NIT Agartala



SIGNED, SEALED AND DELIVERED by NIT AGARTALA, by the hand of

Signature:  
Name:  
Designation: Registrar, NIT Agartala

IN THE PRESENCE OF

(1) Signature:  
Name:  
Address:

(2) Signature:  
Name:  
Address:

SIGNED, SEALED AND DELIVERED BY the Contractor M/s. \_\_\_\_\_  
\_\_\_\_\_.

Signature:  
Name:  
Designation:

IN THE PRESENCE OF

(1) Signature:  
Name:  
Address:

(2) Signature:  
Name:  
Address:




Contractor

For and on behalf of NIT Agartala

**K. General Conditions of Contract**

This will be as per the GFR 2021/General Conditions of Contract (GCC) of the CPWD to the extent applicable to the NIT Agartala. Decision in this regard will be governed by the competent authority of NIT Agartala which shall be final and binding to the contractor.

Contractor

  
For and on behalf of NIT Agartala

## L. TECHNICAL SPECIFICATION

### TECHNICAL SPECIFICATIONS (INSTALLATION OF LIFT)

#### Electric Passenger Lift (Gearless)

##### 1.0 ELECTRIC PASSENGER LIFT (GEARLESS)

The electric passenger lifts shall be an energy saving gearless lift having permanent magnet synchronous motor with encoder.

##### 1.1 GENERAL

This specification describes the Scope of Works and technical requirements for Electric Passenger GEARLESS Lift.

##### 1.2 MAIN EQUIPMENTS / SYSTEMS

The Main Equipment's / Systems to be provided for Electric Passenger Lift are listed in Appendix-I of this chapter. Any other items though not specifically indicated but are necessary to complete the works as per specification are also in the scope of the Contractor

##### 1.3 STANDARDS

The equipment shall be conforming to the following standards:

IS-4666: 1980 (Reaffirmed 1991)	Electric passenger lift
IS-1860: 1980 (Reaffirmed 1991)	Installation, operation & maintenance of passenger lift
IS-3534: 1976 (Reaffirmed 1991)	Outline dimensions of electric lifts
IS-3938: 1983 (Reaffirmed 1992)	Specification for Electric Wire Rope Hoist
IS-10191: 1982	Car & counterweight guide rails, support & fastenings
IS-4289: 1984	Flexible cables for lifts and other flexible connection
IS-9803: 1981 (Reaffirmed)	Buffers for passenger and goods lifts
IS-7759: 1975 (Reaffirmed 1991)	Lift door locking devices and contacts
IS-2365: 1978 (Reaffirmed 1991)	Steel wire suspension ropes for lifts and hoists
IS-2062: 1992	Steel for general structural purposes
IS-10913: 1984	Brakes for passenger & goods lift
IS-325:1996	Three phase inductor motors
IS-3034 (Latest Edition)	Code of practice for earthing
IS-8151	Single speed three phase induction motors for driving lift
IS-8216	Guide for inspection of lift wire ropes
IS-11615 W	Car and counterweight guide rails, guide rail support
IS-11706 h e	General requirement for car frame for electric passengers and goods lift.

Contractor

For and on behalf of NIT Agartala

When the equipment offered by the bidder conforms to standards other than those specified above, salient points of difference between standards adopted and standards specified in this specification shall be clearly brought out in the relevant schedule and copy of such standards along with their English translation shall invariably be furnished along-with the offer. The lift shall also meet the requirements of local acts and rules applicable for lifts.

#### 1.4 TYPE AND RATING

The lift shall be designed to meet the following requirements:

Sl. No.	Product Type	Gearless
1	Product Group	Elevator > MRL
2	Design Platform	Common platform
3	Elevator Type	Passenger Elevator
4	Rated Load (Kg)	680
5	Rated Speed(m/s)	1.00
6	Number of Stops	2
7	Number of Landings	2
8	Car Size	1200 X 1400
9	Ceiling Type	Suspended ceiling
10	Door Opening Type	2 Panel Centre Open
11	Door Width(mm)	800
12	Door Height(mm)	2100
13	Door Vision Panel	No
14	Infrared Beams	94 Beams
<b>Shaft parameters</b>		
15	Shaft Width(mm)	2025
16	Shaft Depth(mm)	2000
17	Shaft Type Left Wall	RCC
18	Left Wall Thickness	150
19	Shaft Type Right Wall	RCC
20	Right Wall Thickness	150
21	Shaft Type Rear Wall	RCC
22	Rear Wall Thickness	150
23	Shaft Type Front Wall	Brick
24	Front Wall Thickness	230
25	OHRH Area	RCC
26	Floor Height	4400
27	Pit Depth(mm)	1600
28	Travelling Height(mm)	4400
29	Overhead Height(mm)	4500
30	Shaft Height (mm)	10500
<b>Car Platform</b>		
31	Car Type	SSHL-304 Grade
32	Car Door Panel Decoration	Stainless Steel Silver Sky (SS Hairline)-304 Grade

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33	Ceiling Decoration	MSPC_Signal White
34	Suspended Ceiling Decoration	Stainless Steel Silver Sky (SS Hairline)
35	Ceiling Lighting	Quad Lights
36	Floor Decoration	PVC - Royal Black
37	Car Rear Wall Mirror	HALF HEIGH - FULL CAR WIDTH
38	Car Handrail Type	Hairline St. St. Round Handrail
39	Car Handrail Position	Rear Side
<b>COP</b>		
40	COP Design	CH2C
41	COP Length	Half Length
42	COP Faceplate Finish	SSHL
43	COP Display Size	4.3" Display

44	COP Display Type	Segmented LED White
45	COP Push Button Model	MT-42 Braille White
46	Attendant Service On Main COP	by Key Switch
47	Intercom System	3 Way Intercom
48	Floor Designation	G,1
<b>LIOP</b>		
49	LIOP Layout	Seperated
50	LIOP Model	LS2A Segmented LED White
51	LIOP Faceplate Finish	Surface Mounted SSHL
52	Floors with LIOP(Group1)	All Floors
<b>Door Parameters</b>		
53	Landing Door Panel Deco. 1	Stainless Steel Silver Sky (SS Hairline)-304 Grade
54	QTY of Landing Door with Deco. 1	2
55	Landing Door Panel Deco. 2	Stainless Steel Silver Sky (SS Hairline)-304 Grade
<b>Mechanical Options</b>		
56	Buffers	On RCC Socle
<b>Electrical Options</b>		
57	Controller Cabinet Finish	Hairline
58	Fireman service	Primary & secondary fire
59	Speech synthesis service	English
60	Arrival Chime	On Car Top
61	Automatic rescue device	Yes
62	Video Transmission Cable	With Twisted pair

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## 1.5 DETAILED SPECIFICATIONS OF THE EQUIPMENT

### 1.5.1 General

The equipment shall be simple and robust in design, easy for erection, inspection, maintenance and dismantling and elegant in appearance. All equipments shall run without undue vibration and with the least noise.

### 1.5.2 Lift Car

- 1.5.2.1 The lift car shall be made of steel frame provided with closed roof. Any opening work in the roof of the lift car shall be sufficiently closed with casing to provide reasonable protection against falling articles to any person traveling in the car. The car floor shall be of stainless steel construction.
- 1.5.2.2 The lift car shall be provided with adequate lighting and ventilation. The car shall be fitted with a fan of adequate capacity. It shall be possible to switch off the power supply to the lift, without switching off the fan and light, for which separate switches shall be provided. A three-pin plug socket with switch for a hand lamp shall be fitted on the roof of the lift car.
- 1.5.2.3 Lift car platforms shall be of framed construction designed to suit the conditions of the landing. The minimum factor of safety shall meet the requirements of relevant I.S.
- 1.5.2.4 Glass shall not be used in lift car except for covering the lighting fixtures and for the vision panels and mirrors. The total glass area in any case shall not exceed the limits specified in applicable IS.
- 1.5.2.5 The car doors shall be solid sliding type, center opening and shall be equipped with power operated automatic opening and closing devices. The operation of doors shall be so arranged that they cannot be opened, unless the lift car is within the landing zone. The doors shall be guided at top and bottom. The car door shall be so designed that their closing and opening is not likely to injure any person traveling in the car. The door shall be provided with full length infra-red sensor on the edge, which are likely to come in contact with person/person entering or coming out of the car. The doors and their tracks shall be capable of withstanding thrust as specified in IS.
- 1.5.2.6 The car shall be provided with an emergency alarm push button in red Colour. A loud ringing bell shall be mounted above the landing door and for sounding the emergency alarm in order to obtain assistance in case of breakdown or failure in between the floors. The cars shall be provided with an emergency stop push button/switch, D.C. operated (220V) alarm push button emergency light and intercom set. A load plate displaying the rated load of the lift in terms of persons and kilograms shall be fitted in the lift car at a conspicuous position.

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- 1.5.2.7 The leading edges of car and landing doors shall be provided with a soft and fire resistance material.
- 1.5.2.8 A self-contained, non-maintained emergency light with a trickle boost charger shall be provided
- 1.5.2.9 A stop switch in the machine room / top of car shall be provided for use by maintenance crew to cancel all car and landing calls for a particular lift.
- 1.5.2.10 An overload indicator with buzzer shall be provided in the cabin to indicate to the passengers that the car will not start as it is overloaded.
- 1.5.2.11 On operation of the maintenance switch located on top of the car by the maintenance crew, the car shall travel at slow speed not exceeding 0.85 m / sec by continuous operation of a button
- 1.5.2.12 Main operating panels, buttons and switches shall be located on one of the two front wall panels next to the car door and as specified in the Schedule of lifts & as per approved G.A. drawings. All buttons and switches shall be clearly legible with fade-proof text and figures, and shall be easily accessible, (especially for disabled persons in the lift designated for them).
- 1.5.2.13 All features specified in the BIS/NBC/CPWD and in the enclosed technical specifications shall be provided.

### 1.5.3 Landing Doors

- 1.5.3.1 All landing openings in the lift well enclosure shall be protected by providing the solid sliding doors, similar to the car doors and shall extend the full height and width of the landing opening. The doors shall be provided with automatic opening and closing devices. All steel embedment for fixing landing doors/indicators to the lift well shaft shall be supplied by the contractor.
- 1.5.3.2 Every landing door shall be fitted with a locking device to ensure that it shall not be possible to open the landing door from landing side until the lift is within that particular landing zone. The locking device for landing zone shall be so designed that the lock contact is not closed until the door is closed. The levers operating the locking device shall not interfere with the landing side or lift enclosures. Provision shall be made to prevent the opening of any landing doors when the car is passing that zone in response to call from another landing.

### 1.5.4 Counter Weights

- 1.5.4.1 Suitable counter-weight of metal shall be provided as per relevant Indian Standard.
- 1.5.4.2 The counter weights shall withstand the effect of buffer impact. The counter weights shall travel between rigid guides. Suitable number of renewable guide shoes with renewable lining or set of roller guides shall be provided at the top and bottom of the weight.



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### 1.5.5 Suspension Ropes

- 1.5.5.1 The car and counter-weight shall be suspended by traction steel ropes (Usha Martin 19x8 or its equivalent). Chains shall not be used for suspension. Not less than four independent suspension ropes shall be used for car or counter weights. Car and counter-weight ropes shall be in one piece and without intermediate joints. All ropes shall be anchored to a winding drum, which shall have not less than one complete turn of the ropes on the winding drum when the car or counter weight has reached the extreme limit of its travel. The hoist rope shall include adjustable self-aligning hitches.
- 1.5.5.2 The minimum diameter of suspension ropes shall not be less than 8mm and the minimum factor of safety shall not be less than eleven. The suspension ropes shall conform to the requirements of applicable IS.

### 1.5.6 Sheaves and Pulleys

All dividing sheaves fixed top and revolving with a shaft shall be fixed by means of sunk keys of sufficient strength and quality. sheaves and pulleys shall be made of cast iron having good quality of bearing and shall be free from any defects. They shall have machined rope grooves and shall be long enough to take all the rope in one layer. The diameter of sheaves and pulleys as per IS.

### 1.5.7 Shaft and Main Driving System

All shafts and axles shall be made of steel. They shall have sufficient rigidity and bearing surfaces. No friction gearing, belt, chain, clutch or chain driven mechanism shall be used for connecting the main driving system to the traction sheaves. The electric lift machines shall be provided with brakes released automatically. The traction machines shall be equipped with the brakes applied automatically by gravity when the operating device in the 'Off' position or in the event of the power breakdown.

### 1.5.8 Guides for Car and Counter Weights

Guide rails for the counter weight shall be machined 'T' sections and continuous throughout the entire length and shall be provided with adequate steel brackets or equivalent of such designs and spacing that the guide rails shall not deflect more than 5 mm under normal operation. Guide rail section shall be adequate to withstand the forces resulting from any conditions of operation of the lift. The guide shoes or their lining shall be easily replaceable, adjustable and self-lubricated. Guides shall be of such length that it shall not be possible for the car or the counter weight shoes to run off the guides.



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**1.5.9 Buffers**

Buffers of oil/spring type shall be fitted under the lift car and counter weights directly or on the pit floor with suitable concrete or steel foundation. The buffers shall be capable of stopping the car or counter weight at the extreme limit of travel without permanent damage or deformation to itself or any part of the lift equipment. The buffers shall be so fixed as to share the load and impact equally. All embedded materials; floor framework and facial plates required for the lift pit floor for these buffers shall also be supplied.

**1.5.10 Governors**

The lift shall be equipped with an over speed governor device which shall apply the safety gear in the event if the speed of the lift car and counter weights in the descending direction exceed the predetermined limit specified in applicable IS.

The governor equipment shall meet the requirements specified in applicable IS. Governors shall be located where they are not struck by the lift car or counter weights in the event of over run. Separate governors shall be used for car and counter weights. The maximum governor tripping speed for car safety gear shall be 115 percent of the rated speed plus

0.25 m/sec. The governor for counter-weight safety gear shall be adjusted to trip at a speed greater than but not more than 10 percent above the tripping speed of the car governor. Each governor shall be marked with its tripping speed in meters per second. Governor gears shall, preferably, have self-lubricating bearings.

**1.5.11 Safety Gears**

The lift shall be provided with suitable safety devices attached to the lift car frame and placed beneath the car. The safety devices shall be capable of stopping and sustaining the lift car with full rated load in the car at governor tripping speed or in the event of failure of suspension ropes.

The application of safety device shall not cause the lift car platform to become out of level in excess of 3 cm/m measured in any direction. When safety gear has operated, no decrease in the tension of governor rope or motion of the car in the descending direction shall release the safety gear.

Car safety devices shall be actuated by over speed governors (OSG). Vibration of the lift car frame shall not cause the safety gear to be applied.

The safety gear shall operate positively and mechanically independent of any springs used in its construction. The motor control and break control circuits shall open at the time the safety gear is applied.



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Safety gear shall not stop ascending of lift or counter weight. The governor shall, however, open the motor circuit and apply the break in the event of over speed in the ascending direction. The safety gear shall meet all other requirements specified in applicable IS.

### 1.5.12 Electrical Equipment and Controls

#### 1.5.12.1 General

The electrical equipment, control and interlocks shall be furnished complete for a fully automatic elevator. It shall provide smooth and uniform acceleration, retardation, and automatic slow down and stopping at all landings independent of the loading within its rated capacity. Electrical system shall consist of hoisting/lowering motors, brakes, automatic door operators, terminals and final limit switches, car lighting, signal lights and intercom set.

Necessary insulated wiring to connect all parts of the equipment shall be furnished and installed. Insulated wiring shall be flame retardant and moisture resistant and shall be run in G.S. conduits. All cables shall be flame - retardant with copper conductors.

Trailing cables shall be PVC sheathed copper conductor multi-core ribbon type designed for lift service and shall be flame retardant and moisture resistant 1.1 KV Grade. They shall be flexible and shall be suitably suspended to relieve strains on individual conductors. All copper conductors shall be of appropriate gauge copper to avoid excessive voltage drop. All wires, cables, conduits, metal boxes, fittings and earthing shall comply with statutory requirements and BIS specifications.

The controller unit comprising of the MCCB, 25KA, adjustable overload and phase reversal and phase failure protection, all the circuit elements, transformer, rectifier for D.C. control supply, inverter power pack, terminal blocks etc. shall be enclosed in an insect vermin proof, sheet steel floor or wall mounted cabinet with hinged doors at front or at both front and rear. Proper warning boards and danger plates shall be provided on both sides of the controller casing. Sheet steel used for controller cabinet shall not be less than 14 gauge and shall be properly braced, where necessary. Suitable gland plate shall be provided for cable entry. The battery for the charger unit shall be suitably placed in the machine room. Degree of protection of Enclosure shall be IP54. Enclosure shall have provision of earthing studs.

All sheet steel work shall be painted with two coats of synthetic enamel paint of suitable shade both inside and outside over two coats of zinc primer.



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Apart from lift controller enclosure, 3 distribution boards (3 Main DB). Cables to incomer of these DB's shall be terminated by Contractors, outgoing cables for lift shall be in the scope of lift contractor. Contractor shall furnish the sizes of cables along with KW rating of motors. All other electrical work is in contractor scope.

**1.5.13 Lift Controls and Operational Requirements**

- i The hoist motor control equipment shall consist of magnetic conductors, relays and other devices necessary to accomplish the control of the elevator. All connections shall be made at rear of board and controllers shall be so arranged as to govern the direction of car travel, starting, acceleration, deceleration, stopping and speed of the car. The control panel shall be made of sheet steel and shall be located in the machine room.
- ii As stated earlier the elevator shall have selective, collective automatic control with or without operator. The control shall include a series of push buttons in the car numbered to correspond to various landings push buttons, start-stop push buttons, door open-door close push buttons, emergency stop push buttons, alarm push button, intercom ON push button, UP-DOWN push button and position indicating lights at intermediate landings, single pushbuttons and position indicating light at terminal landings. All buttons shall be placed in flash mounted cases, finished dull chromium. Suitable ON/OFF switches for car lighting and fan shall also be provided in the car panel.
- iii The system shall be so designed that on pressing of one or more car landing buttons the car shall start automatically, provided the interlock circuits are established and shall stop at the floor for which a car button has been pressed or for which a landing button has been pressed corresponding to the direction in which the car is travelling. The car shall stop at all landings for which such calls have been registered and these stops shall be made in the order in which the landings are reached by the car irrespective of the sequence in which the buttons have been pressed, provided the button for a given landing have been pressed sufficiently in advance of the arrival of the car at that landing to permit the stop.
- iv The control shall be so arranged that if no car buttons have been pressed and the car starts up in response to several down calls, the car shall travel to the highest down call first and then reverse to collect the other down calls. The up calls shall be collected in the same way when the car starts down in response to up calls by first stopping for the lowest up call registered.
- v Furthermore, if the car has stopped in response to the pressing of a landing button and a passenger pressed a car button for a corresponding direction and within predetermined interval of time after the stop, the car shall carry the passenger in that direction regardless of other calls registered.
- vi If, while the car is making its upward trip, down landing buttons are pressed, no effect shall be there during the up trip though the calls shall remain registered.

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- vii After the last passenger travelling in the up direction has left the car and the interlock circuit is established by all doors being closed, the elevator shall start automatically and respond to the down landings calls. Likewise, the downward trip of the car shall not be affected by a landing button calls, but such calls shall remain registered and be answered on the next upward trip. A time limit relays shall be provided and arranged to hold the car at the landing at which it again starts automatically in response to other calls. The opening of the hoist-way or car door shall prevent movement of the car until both are closed again.
- viii An emergency stop switch shall be provided in the car to interrupt the power supply and apply the brake independently of the regular operating devices. The opening of the stop switch shall not cancel the registered calls and after this switch is again closed the car shall continue to answer the calls.
- ix All push button controls shall be arranged to provide maximum convenience to the operator. Contact finger buttons shall be easy to replace. The lift controls shall be housed in dust and vermin proof enclosures. The controls shall be wired with standard copper conductors, PVC insulated cables. All equipments mounted shall be neatly labeled as per wiring diagram. Illumination of control push buttons shall be provided so that, push button which is pressed once will remain illuminated, till call is attended. Ventilating louvers shall be provided in the panels.


**1.5.13.2 Phase protection Relay**

A phase protection relay shall be provided on the controller, which shall be designed to protect the lift equipment against phase failure.

**1.5.13.3 Automatic Leveling**

The elevator shall be completely equipped with an approved automatic self-levelling device that will automatically bring the car to a position within +/-5 mm of the exact level of any floor for which either a car or landing button had been pressed. In addition to above controls a push button shall also be provided inside the car for by passing the calls from landing doors to enable a person inside the car to reach the desired floor without stopping at the intermediate landings.

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1.5.13.4 **Limit Switches**

The elevator shall be provided with suitable limit switches so that the car, as it approaches either final or any intermediate landing as selected by the push button control, will slow down and come to smooth stop automatically at the selected landing.

Final limit switches at the top and bottom limits shall be positively operated by the car and shut off all power to the motors and shall apply the brakes and prevent further movement of the car in that direction to avoid over travel. Such limit switches are to act independently of any other normal operating devices and limit switches and shall after operation remain open until the lift car has been moved by a hand winding with the limits of normal travel. All limit switches shall meet the other requirements as specified in applicable IS.

1.5.13.5 **Variable Voltage Control Equipment**

The control shall be variable voltage variable frequency (VVVF) control system, which shall be arranged to provide smooth and constant acceleration and retardation under all conditions of operation.

1.5.13.6 **Wiring Diagrams**

Complete wiring diagrams and photographs showing hoist motor, and controller neatly framed in MS panel shall be furnished and installed in the machine room.

1.5.13.7 **Electric Motors**

The motors shall be permanent magnet synchronous motor with encoder of suitable capacity for the duties specified. The rated capacity and torque characteristics shall properly match the requirements of lift for the specified duties. All motors shall be PMS, suitable for operation at 415 volts, 3 phase, 50 Hz and shall give satisfactory continuous operation within the limits of voltage and frequency variations specified. The breakdown torque of the motor shall be not less than 200% of full load torque with rated voltage and frequency. The bearings of the motor shall have ample strength to withstand the heavy shocks and vibrations to which they may be subjected to in service without undue wearing. Motors shall be screen-protected type with Class-F insulation or better. The motors shall be rated for frequent starting, duty, CDF 40% and 150 starts/hour. Temperature rise of the motors shall not exceed the limits specified in the relevant IS corrected for ambient temperature of 45 obtaining at site.

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1.5.13.8 **Internal Wiring and Cable**

The lift shall be complete with all internal wiring and cables. The cables used in the lift installation shall conform to the applicable IS. All wiring between the equipment's in the lift machine room and that between the machine room and equipment's in the lift well and at the landings shall be wired in galvanized steel conduits to be supplied by the contractor. The conduit, junction box etc. shall be waterproof i.e. there shall be no seepage of water inside the internal wiring at any place.

1.5.13.9 **Earthing:**

The lift, motor, frames and metal cases and all electrical equipment, including metal conduits or cables armoring guards shall be sufficiently bonded and earthed to the earthing conductors provided in the machine room.

1.5.13.10 **Brakes:**

The motor shall be equipped with automatic electro-mechanical/Disc/Drum brakes with manual rescue device.


1.5.13.11 **Controls**

The control shall be microprocessor based control with the operational card file containing a logic board with Microprocessor chip, Random Access Memory (RAM) and Erasable Programmable Read Only Memory (EPROM) chips to monitor and take over the commands of the elevator shall be provided.

The controller should be programmable at site. This should be customized as per the requirements of the client (viz. landing priority). The Motion control shall consist of high performance, fully digital control VF drive which shall directly control the torque and speed of the Elevator Motor; and thus provide constant speed control under all load condition and Pulse Width Modulation technique shall be used for speed control. A large number of user- friendly features shall be included in the microprocessor-based controller such as:

- a. Detection of stuck hall button
- b. Motor Over current protection (Built in inverter drive)
- c. Over speed/ deceleration protection
- d. Passenger Overload Warning
- e. Overload non-starter etc.

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**1.5.14 Lift Well and Pit**

The construction of the lift well and pit and any civil work is in Contractor scope. The contractor shall furnish the relevant design data / dimensions of the lift well and pit in accordance with applicable IS.

**1.5.15 Machine Room and Overhead**

A machine room of approximately size 2250mm(W) X 4100mm(L) X 2250mm(H) has been envisaged. The machine room and the lift shaft shall be adequately lighted, ventilated by the Contractor.

The maximum load transmitted by the heaviest equipment both during erection and maintenance of the lift to machine room floor and other structure like guide rails shall be furnished by the contractor. The location and size of various cut outs to be left in the machine room floor and foundation details of the various equipment's to be installed in the machine room shall also be furnished by the contractor.

**1.6 TESTS**

**1.6.1 Shop Tests:**

The materials used for the construction of the lift, various components of the lift including motors, limit switches, braking devices, wire ropes and control equipment's shall be tested in the shop in accordance with the latest edition of the relevant Indian Standard specifications and practices to ensure that they comply with the provisions laid down in these specifications. The other electrical apparatus shall also be tested for dielectric strength to determine their capability to withstand high voltage. These tests shall be conducted as per requirements of applicable IS, if required, otherwise waived off.

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### 1.6.2 Site Tests:

After erection and commissioning of lifts at site, following tests shall be carried out by contractor in accordance to standard before handover and releasing for normal service:

- i. Insulation resistance test between power/control lines and earth.
- ii. Earthing test.
- iii. Functional test for motors brakes, control equipments, door locking devices, relays, emergency safety gears, auto rescue system and limit switches.
- iv. Lift capability test (raising and lowering of the rated load at rated speed).
- v. Functional test for safety gear under rated load condition.
- vi. All other pre-commissioning tests including trial runs of the lift to demonstrate satisfactory operation of the lift and its components.

The contractor shall arrange the necessary test weights and instruments. It shall be the responsibility of the contractor to demonstrate the operation of the safety interlocks provided to the full satisfaction of the lift inspector during the inspection.

### 1.7 SPARES

The successful bidder has to store all related necessary spares in ready stock at site as free maintenance service for five years along with spares is in their scope.

### 1.8 DRAWINGS & DOCUMENTS

The following drawings and documents shall be furnished for review / approval of Engineer- in-charge.

- i. GA of Lift
- ii. Power and Control Wiring diagram
- iii. Operation and Maintenance Manual
- iv. Technical data / drawings for civil requirement.
- v. Manual

### 1.9 GUARANTEE

All the lifts shall be guaranteed by the contractor to be of accepted modern design, free from the defects in either workmanship of material and to safely and fully handle its load without any permissible deflection in its structure or mechanism.

### 2.0 STATUTORY APPROVALS

All statutory approvals/NOC from commencement to commissioning of lifts shall be obtained by the Contractor from the Inspector of Lifts and / or other authorities. The contractor shall pay necessary fees in connection with the approval of installation/NOC of lifts.

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## **M. Scope of work and Terms & conditions of Contract**

- 1.0 “CPWD Specifications” wherever appearing in this document would mean Latest edition of CPWD specifications with correction slips issued up to the last date of receipt of tender.
- 2.0 GCC 2014 referred in this document is Govt. of India Publication and is available in the market.
- In CPWD Form 8, General Rules and Directions and Conditions of Contract forming part of ‘GCC 2014’ shall be superseded by this document.
  - Wherever “President of India” is appearing in the GCC 2014 same shall be read as NIT Agartala.
  - Wherever Superintending Engineer or Chief Engineer is appearing in GCC 2014, it may be read as Estate Engineer, NIT Agartala.
  - Wherever CPWD or PWD is appearing in GCC 2014, it may be read as NIT Agartala.
- 3.0 Unless otherwise provided in the schedule of quantities the rates tendered by the contractor shall be all-inclusive and shall apply to all heights, levels, depths, leads, lifts including shafts, machine room & stair cases. The rates for all items of work, unless clearly specified otherwise, shall include the cost of all labor, materials, and other inputs involved in the execution of the items.
- 4.0 No foreign exchange shall be made available by the department for the purpose of procurement of equipment, plants, machinery, materials of any kind or any other items required to be carried out in execution of work.
- 5.0 The contractor or his authorized representative should always be available at the site of work to take instructions from Engineer in charge, and ensure proper execution of work.
- 6.0 No work shall commence in the absence of contractor’s engineers and they shall certify in writing about the correctness of layout alignment and shall ensure stability of all structural work such as partition panel and other related items.
- 7.0 The tenderer shall quote only makes for which he has satisfactorily executed the job and shall also furnish certificate from OEM to the effect that the such equipment has performed satisfactorily under Indian weather conditions.
- 8.0 All work and materials brought and left upon the ground by the contractor or by his orders for the purpose of forming part of the works, are to be considered to be the property of the NIT Agartala and the same are not to be removed or taken away by the contractor or any other person without consent in writing of the Engineer-in-charge but the IITNR is not to be in any way responsible for any loss or damage which may happen to or in respect of any such work or materials either by the same being lost or damaged by weather or otherwise.
- 9.0 The contractor shall execute the different items simultaneously, as far as possible, so that minimum breakage and repairs are involved.
- 10.0 The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution of environment and waterways. He shall make good at his own cost and to the satisfaction of the Engineer-in-



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Charge, any damage to public or private property whatsoever caused by the execution of the work or by traffic brought thereon by the contractor. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants/users of adjoining buildings.

11.0 The contractor shall be responsible for watch and ward of all the works, equipment and various materials till complete handing over of works.

12.0 Wherever any reference to any Indian Standards Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to or revisions there of if any, up to the date of receipt of tenders.

13.0 The rates quoted by the contractor shall be all inclusive keeping in mind the specifications, special conditions and technical specifications and nothing extra shall be payable whatsoever, unless otherwise specified.

14.0 If the work is carried out in more than one shifts or during night to meet the time period of completion, nothing extra shall be paid on this account.

15.0 The contractor shall be bound to follow the instruction and restrictions imposed by the Administration / Police authorities on the working and movement of labor/ material / vehicles etc. and nothing extra shall be paid on this account.

16.0 **All the materials are to be got approved from the Engineer-in-Charge before using the same in the work.**

17.0 The electrical work will be carried out in accordance with the General Specifications 2013 for electrical works in (part I) internal, CPWD specifications 1994 (part II) external, except as otherwise specified in the description of items given in the Schedule of Quantities or in the attached Technical Specification while complying in all respects with the requirements of the latest Indian Electricity Rules in force at the time of execution.

18.0 The electrical work shall be carried out simultaneously with the civil and interior works.

19.0 If any minor alterations are found necessary, the contractor shall do the same within tendered rates.

20.0 The contractor shall employ adequate labor to complete the work within the stipulated time and make his own arrangements for storage of materials etc.

21.0 All tender rates will include the cost of materials, erection, connections, labor, supervision, tools, plant, transport, all taxes, duties, contingencies, breakage, wastage, sundries, i.e. should be for an item complete in all respects.

22.0 The tenderer should in his own interest visit the site and familiarizes himself with the site conditions before tendering.

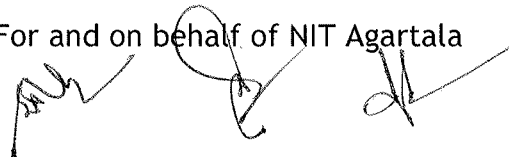
23.0 The tenderers are advised not to deviate from the technical specification/ items, & Conditions of Tender.

24.0 Necessary clarification 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.

25.0 The department reserves the right to reject the tender and call for fresh tenders as the case may be without assigning any reason.

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26.0 Unless and otherwise specified in the tender documents, the following works shall be arranged by the department.

i) Space for accommodating all the equipments and components involved in the work, but watch & ward will be done by the firm till final handover.

ii) Power supply, Water supply and drain points at existing point only Paid basis.

27.0 The successful tenderer shall submit within 10 days from the date of award, his programme for submission of drawings, supply of equipment, installation, testing, commissioning and handing over of the installation.

28.0 The contractor shall submit the drawing for approval before start of work.

29.0 Copies of all documents of routine and type test certificates of the equipment, carried out at the manufacturer's premises shall be furnished to the Engineer-in-charge and consignee.

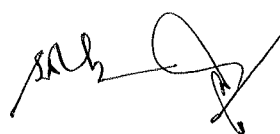
30.0 Outdoor and indoor units shall be of the same make.

31.0 The Firm shall ensure adequate and prompt after sales service in the form of maintenance, spares and personnel during the guarantee/warranty period of 12 months which shall be treated from the date of completion of work and as well as during the maintenance period to minimize the breakdown period. The firm shall also ensure that in the event of any breakdown of the system, that area is made operational within 10 hrs. otherwise a penalty 500/- per hours by Engineer- in-charge shall be recovered from the firm.

32.0 Contractor shall have to submit the manufacturer's catalogues of indoor and outdoor units along with the operation and maintenance manuals of all major equipment's.

33.0 The firm shall have to carry out the low side work within three weeks from the date of award of work to facilitate other agencies to carry out their respective works.

Contractor



For and on behalf of NIT Agartala

**N. APPROVED MAKE LIST**

Sr. No.	Product	Make
1	Lift (Gearless)	TKEI/OTIS/JOHNSON/KONE/Schindler/Mitsubishi Electric
2	FRLS PVC Insulated copper conductor cable - ISI marked	RR Kabel/ Havells / Finolex/ Anchor/ KEI/Polycab/L&T/ Mescab/ Crompton
3	MCB DBs/ Industrial Socket outlets/ MCBs/RCCBs	Legrand/Siemens /Hager/ Schneider Electric/ L&T /Indo Asian/ Havells/ Mescab/ Crompton
4	MCCBs	Legrand/Siemens /Hager/ Schneider Electric/ L&T/Indo Asian/ Havells/ Mescab/ Crompton
5	Modular Switches / Sockets / TV Socket / Telephone sockets / Data sockets / Electronic Regulators etc.	Legrand / MK /Crabtree (Havells)/ Panasonic/ Schneider /Anchor/Havells/L&T/GE
6	LT panels	CPRI Approved manufacturer
7	1.1KV grade Aluminium & Copper conductor, XLPE insulated armoured UG Cables	Universal/KEI/Havells/Gloster/CG/ Polycab/Finolex
8	Aluminium lugs	Dowells/ Havells/ Schneider
9	Busbar, Main switch	Havells/L&T/ABB/C&S

Contractor/Firm should be select one make from each item and approval taken from Engineer-In-Charge for supply and use.

Contractor

For and on behalf of NIT Agartala

**O. Formats for Different Forms/Certificates**

Annexure-1

**Undertaking having gone through the documents as per the Technical bid**

**Sub.:** "Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala".

DNleT No.: 146/NITA/Estate Elect./2026-27


Dated: .....

To,  
The Registrar,  
NIT Agartala,  
Barjala, Jirania, West Tripura - 799046.

Dear Sir,

We have carefully examined the specifications and schedule of quantities relating to the work specified in the memorandum hereinafter set out and have visited and examined the work specified in the said memorandum and have acquired the requisite information relating thereto as affecting the tender. We hereby offer to CAMC specified in the said memorandum within the time specified in the said memorandum at the rates mentioned in the Schedule of Quantities and in accordance in all respects with specifications and instructions in writing referred to in articles of agreement, general instructions to the tenderers and special conditions, General Conditions of Contract, conditions hereinbefore referred to, specifications, schedule of Work, data sheet and schedule of quantities and with such materials as are provided for, by and in all other respects, in accordance with such conditions so far as they may be applicable.

Contractor

  
For and on behalf of NIT Agartala

## Memorandum

A.1.1	DNleT No. : 146/NITA/Estate Elect./2026-27	
A.1.2	Description	Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala.
A.1.3	Earnest Money Deposit (Rs.)	<b>Rs. 38,120/-</b> (Rupees Thirty-Eight Thousand One Hundred Twenty Only) by e-payment through electronic mode. (The bidders will be exempted from submission of Bid EMD on production of requisite proof in respect of valid certification from competent authority for the tendered item as per limit authorized to bidder i.e NSIC/MSME certificate)
A.1.4	Tender Processing Fee (Rs.)	<b>Rs. 500/-</b> (Rupees Five Hundred Only) by e-payment through electronic mode (Non-Refundable) (The bidders will be exempted from submission of Bid Tender processing Fee on production of requisite proof in respect of valid certification from competent authority for the tendered item as per limit authorized to bidder i.e NSIC/MSME certificate)
A.1.5	Period of Completion	<b>Completion period for supply and installation of works would be 180 Days from the effective date of placing Work Order/LOA/LOC.</b>
A.1.6	Mode of submission of Tender	<b>On-Line mode only</b>
A.1.7	Warranty Period	<b>1 (One) Year after the completion of the work.</b>

2. We also agree that our tender will remain **valid for acceptance by the NIT Agartala for 180 days** from the date of opening of bid of the tender and this period of validity can be extended for such period as may be mutually agreed between the NIT Agartala and us in writing. We also agree to keep the **Bank Guarantee towards earnest money** valid during the entire period of validity of tender and the extended period, if any, as per enclosed Proforma. Should this tender be accepted, we hereby agree to abide by and fulfill all the terms and conditions of the contract and in default thereof, to forfeit Earnest Money Deposit and pay to you or your successors, or assignees or nominees such sums of money as are stipulated in the said conditions.

Contractor

For and on behalf of NIT Agartala

3. Should this tender be accepted, we hereby agree to abide by and fulfill all the terms and conditions of the contract and in default thereof, to forfeit Earnest Money Deposit and pay to you or your successors, or assignees or nominees such sums of money as are stipulated in the said conditions.

4. We understand that you reserve the right to accept or reject any or all the tenders either in full or in part without assigning any reason there for.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2026.

For and on behalf of M/s \_\_\_\_\_

(Signature with seal)

Name \_\_\_\_\_

Designation \_\_\_\_\_

Place \_\_\_\_\_

Contractor



For and on behalf of NIT Agartala

**Annexure - 2**

(To be scanned and uploaded)  
(Printed on letter head of Chartered  
Accountant)  
**Audited Turnover Certificate**

**Name of the Company/Firm/Agency:**

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**Address of the Company/Firm/Agency:**

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This is to certify that I have audited the Average Annual Turnover of the Company/firm/Agency named above for business for the Years 2023-24, 2024-25 & 2025 - 26 and it is as mentioned below; and that it is correct.

Sr. No.	Description	Financial Year 2023-24 Rs. (both, in figures and words )	Financial Year 2024-25 Rs. (both, in figures and words )	Financial Year 2025-26 Rs. (both, in figures and words )
1.	Annual Turnover			

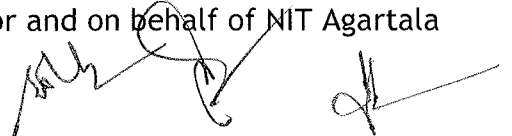
Place -

Date -

Name, Address, Signature and Seal of the Chartered  
Accountant

Contractor

For and on behalf of NIT Agartala



**Annexure-3**

(To be scanned and uploaded)  
(Printed on letterhead of firm/ company)

**Self-Declaration regarding not being blacklisted**

I Shri / Smt. \_\_\_\_\_ Proprietor/ Director/  
Authorised signatory of the Company/ firm/ Agency M/s \_\_\_\_\_  
\_\_\_\_\_ hereby declare that we are  
not black-listed by any Central/State Government/Public Sector Undertaking or  
any other organization in India or elsewhere.

We are not involved in any litigation that may have an impact or may  
compromise the delivery of service as required under this tender.

There is no Judicial case is pending in court of law against firm.

**(Signature of Authorized Person)**

Place: \_\_\_\_\_

Name \_\_\_\_\_

Date : \_\_\_\_\_

Designation \_\_\_\_\_

Address: \_\_\_\_\_

Seal \_\_\_\_\_

Contractor



For and on behalf of NIT Agartala

**Annexure-4**

(To be scanned and uploaded)  
(Printed on letterhead of firm/ company)

**SELF DECLARATION**

**Declaration as regards acceptance of terms and conditions of contract**

1. I Shri. /Smt. \_\_\_\_\_ Proprietor / Director / authorized signatory of the Company/Firm/Agency M/s \_\_\_\_\_ am competent to sign this declaration and this tender document;
2. I have carefully read and understood all the terms and conditions of the tender and undertake to abide by them;
3. The information/documents furnished along with the tender are true and authentic to the best of my knowledge and belief. I / We, am / are well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of my tender at any stage, besides the liabilities towards prosecution under appropriate law.

(Signature of Authorized Person)

Place: \_\_\_\_\_

Name \_\_\_\_\_

Date : \_\_\_\_\_

Designation \_\_\_\_\_

Address: \_\_\_\_\_

Seal \_\_\_\_\_

Contractor

For and on behalf of NIT Agartala



## Annexure-5

(To be scanned and uploaded)  
(Printed on letterhead of firm/ company)

**Personal & Bank Details for RTGS**

All columns are mandatory

Sr .No.	Personal Detail	
1.	NAME OF THE COMPETENT PERSON & AGENCY	
2.	ADDRESS OF THE AGENCY	
3.	CONTACT DETAILS	1) LANDLINE NO. : 2) MOBILE NO.: 3) e-mail ID :
5.	PAN NO.	
6.	GST NO. -	
Bank Details -		
1.	NAME OF THE AGENCY FOR ONLINE TRANSFER	
2.	NAME OF THE BANK	
3.	CITY OF THE BANK	
4.	ACCOUNT NO	
5.	ACCOUNT TYPE	
6.	BRANCH CODE	
7.	ADDRESS OF THE BRANCH	
8.	IFSC CODE	
9.	MICR NO.	

(Signature of Authorized Person)

Place: \_\_\_\_\_

Name \_\_\_\_\_

Date : \_\_\_\_\_

Designation \_\_\_\_\_

Address: \_\_\_\_\_

Seal \_\_\_\_\_

Contractor

For and on behalf of NIT Agartala



**Annexure -6**

(To be scanned and uploaded)  
(Printed on letterhead of firm/ company)

**Details to be supplied before starting of Work:**

1. Name of the Agency  
(with office address)
2. Name of Proprietor/ partner
3. Telephone Nos. of the firm
4. Name and address of the representatives
5. 24 Hrs. contact No.
6. Particulars of the License/ Registration

**(Signature of Authorized Person)**

Place: \_\_\_\_\_

Name \_\_\_\_\_

Date : \_\_\_\_\_


Designation \_\_\_\_\_

Address: \_\_\_\_\_

Seal \_\_\_\_\_

Contractor

For and on behalf of NIT Agartala





Annexure -8

**List of work related Equipment, Machinery and tools  
tackles etc immediately available with the Bidder for  
use on this work.**

(To be scanned and uploaded)  
(Printed on letterhead of firm/ company)

Sl.No.	Description	Function/Purpose	Remarks

(Signature of Authorized Person)

Place: \_\_\_\_\_

Name \_\_\_\_\_

Date : \_\_\_\_\_

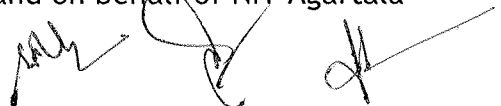
Designation \_\_\_\_\_

Address: \_\_\_\_\_

Seal \_\_\_\_\_

Contractor

For and on behalf of NIT Agartala





<b>P. FINANCIAL BID</b>
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**FINANCIAL BID**

**Name of Work: Supply & Installation of Lift in the Dining Hall (G+1) of Gargi Hostel at NIT Agartala.**

DNleT No.: 146/NITA/Estate Elect./2026-27

Sl. No	Description of Item	Unit	Qty.	Rate (In Rs.)	Amount (In Rs.)
1	<p>Design, supply, installing, testing and commissioning of 10 Passenger (680 Kg) (Gearless type) capacities Lift 1 m/sec speed with V3F drive, serving Ground+3 Floors including Emergency drive unit for automatically rescuing trapped passenger from inside the Lift in case of power supply failure by bringing the Lift to the nearest landing as per the technical specification mentioned in the tender documents, including all civil, electronics and electrical materials e.g machine beams, buffer support channels, fascia plates, landing sills, pit ladder etc. required for installation of lift in the existing lift well. Scaffolding, cutting holes, grouting and making good damages in walls, floor, ceiling etc. for fixing accessories, foundation bolts, load hook etc., hoist way wiring and other associated wirings including fire man's switch complete in all respect as per Technical specification (L) of the Bid Documents.</p> <p><b>The price should inclusive of all the charges including GST.</b></p>	Set	1		
2	<p>Supply of following sizes of 1.1 KV grade single core/multi-core aluminium conductor XLPE insulated and PVC sheathed armoured cable conforming to IS 7098 (Part-1) 1988.</p>				

Contractor

For and on behalf of NIT Agartala

A	3.5 Core, 35 sq.mm. XLPE Aluminium Cable	Mtr.	58		
3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.				
A	Upto 35 sq. mm	Mtr.	23		
4	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
A	Upto 35 sq. mm (clamped with 1mm thick saddle)	Mtr.	35		
5	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
A	3½ X 35 sq. mm (32mm)	Each	8		
6	Supply and fitting fixing of 4 Pole 63 Amps MCCB including Encloserer Box including becassary connections etc. as required.	Each	1		
7	Supply & installation of 63A, Triple Pole, 415V AC, 50 Hz with Neutral Link Switch Disconnecter Fuse Unit in sheet steel enclosure including necessary connection etc. as required.	Each	1		
8	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required	Each	3		
9	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	Mtr.	36		
	<b>Total including Tax's</b>				
<p>The Financial Bid is available on the e- procurement website  <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a></p>					

Contractor

For and on behalf of NIT Agartala

