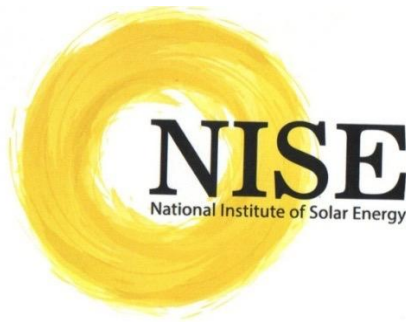


**TENDER DOCUMENT**  
**FOR**  
**Electrical and Civil work for repair and renovation of various buildings/labs**  
**at**  
**National Institute of Solar Energy**



**NIT NO: A-11019/1/2023-Admin**  
**The last date of receipt of bids: 17/04/2026 at 15:00Hrs**

**NATIONAL INSTITUTE OF SOLAR ENERGY**  
**Gurgaon-Faridabad Road, Gwal pahari, Gurugram, Haryana-122003, INDIA**  
**Telephone /fax No.:+91124-285 3008/ 2853070**  
**Website: [www.nise.res.in](http://www.nise.res.in)**

**Contents**

Appendix –“A”: Notice Inviting Tender (NIT) .....3

Appendix- “B”: Important Terms &Conditions.....4-5

Appendix – “C”: Instructions to Bidders.....6-9

Appendix -‘D’: Specification of Work .....10

Appendix -‘E’: General Terms and Conditions .....11-12

Appendix – “F”: Price Bid Format .....13-20

Annexure-“G” Declaration by the contractor.....21

## Appendix –“A”: Notice Inviting Tender (NIT)

### National Institute of Solar Energy

(An Autonomous Institute of Ministry of New & Renewable Energy)

Gurugram-Faridabad Road Gwal Pahari

Gurugram -122003; Haryana

NISE is autonomous institute of Ministry of New and Renewable Energy (MNRE). The activities involved at NISE are Research, Design, Development; Performance Evaluation and Reliability Assessment of solar systems, its Components and Balance of Systems as per National and international standards. The focus of the institute is the resource assessment, testing, calibration & certification of interactive R&D, design development and demonstration of solar systems, standardization, technology up-gradation, training & skill development, consultancy, incubation of young entrepreneurs and other related works. On behalf of the Office of Director General, the National Institute of Solar Energy (NISE), Gurugram invites open E-tender from specialized agency for the list of items mentioned in this document.

| <b>Notice Inviting Tender (NIT)</b><br><b>NIT No: -A-11019/1/2023-Admin</b> |   |
|---|---|
| Name of Work  | Electrical and Civil work for repair and renovation of various buildings/labs in NISE Campus.   |
| Estimated cost  | ₹25,70,000/- (Including GST)  |
| Executive agency  | “National Institute of Solar Energy” Gurugram   |
| Eligibility criteria  | Bids are invited only from the following:<br>i) Any Public Sector Undertaking set up by the Central or State Government to carry out civil or electrical works, or.<br>ii) Any other individual, proprietorship, partnership, LLP, or company (private or public).<br>iii) The bidder must have successfully completed one or more similar works within a specific timeframe. |
| Scope of Work   | Scope of work include Electrical and Civil work for repair and renovation of various buildings/labs in NISE Campus. The details of schedule items to be execute are listed in BOQ mentioned in appendix “E, Tender document can be viewed on NISE web site and available for download also. The bid should be submitted online through E-wizard.                              |
| Last date for submission of bids  | 17/04/2026 at 15:00 Hrs (Note: In case this date is declared as a holiday by NISE or Govt. of Indian future, then the next working day shall be the last date for submission of Bids)   |
| Date of opening of bids   | 17/04/2026 at 17:00Hrs  |

## Appendix- “B”: Important Terms & Conditions

**National Institute of Solar Energy**  
(An Autonomous Institute of Ministry of New & Renewable Energy)  
Gurugram-Faridabad Road Gwal Pahari  
Gurugram -122003; Haryana

On behalf of the Office of Director General, the National Institute of Solar Energy (NISE), Gurugram invites online Bids from firms with valid documents for the scope of work:

### “Electrical and Civil work for repair and renovation of various buildings/labs”

At

**National Institute of Solar Energy, Gurugram**  
(As per the sections of the specification mentioned in the tender document)

|                               |  |
|-------------------------------|--|
| Notice Inviting Bid (NIT) No. |  |
| Name of Work                  | Electrical and Civil work for repair and renovation of various buildings/labs in NISE Campus.  |
| Estimated cost                | ₹25,70,000/- (Including GST)   |
| Eligibility criteria          | Bids are invited only from the following:<br>i) Any Public Sector Undertaking set up by the Central or State Government to carry out civil or electrical works, or.<br>ii) Any other individual, proprietorship, partnership, LLP, or company (private or public).<br>iii) The bidder must have successfully completed one or more similar works within a specific timeframe.  |
| Submission of Bids            | <ol style="list-style-type: none"><li>1- The scopes of work to be tendered are available in the complete tender document, which can be viewed /downloaded from the e-tender portal of <a href="http://nise.ewizard.in">http://nise.ewizard.in</a>.</li><li>2- The bid should be submitted along with complied specifications concurrently duly digitally signed on the website <a href="http://nise.ewizard.in">http://nise.ewizard.in</a> No claim shall be entertained on account of disruptions of internet services being used by bidders. Bidders are advised to upload their bids well in advance to avoid last-minute technical snags.</li><li>3- All Corrigendum/Amendment/Corrections, if any, will be published on the website <a href="http://nise.ewizard.in">http://nise.ewizard.in</a></li><li>4- All the applicants must have a Class-III Digital Signature Certificate signing and encryption (in the name of the person who will sign the bid document) from any of the licensed certifying agency.</li><li>5- It is mandatory for the applicants to get registered their firm/joint venture with the e-tendering portal of <a href="http://nise.ewizard.in">http://nise.ewizard.in</a></li><li>6- Bidders/Vendors/Suppliers/Contractors must get themselves registered on the portal for participating in the e-tenders published by the department. <b>Detailed registration help manual is available in bidder help manual kit.</b></li><li>7- All required documents as per tender clause must be uploaded on E-wizard wherever indicated during the submission of bid.</li></ol> |

|   |   |
|---|---|
| Earnest Money Deposit (EMD)                                       | <ul style="list-style-type: none"> <li>• Bidder must be submitted EMD (3% of the Estimated cost) online through Tender Wizard E-Payment.</li> <li>• MSME UAM certificate / Startup India Certificate in case of any Exemption sought for EMD/ experience.</li> </ul>  |
| Completion of work  | Within 45 Days from the date of issue of Work Order (WO).   |
| Performance Security Deposit                                      | 5 % of Estimated cost as Performance Security Deposit to be deposited into NISE Account by the bidder on intimation of Offer Letter /Email. Work Order will be issued after the details of Credit of Performance Security Deposit is submitted to NISE Administration. Performance Security Deposit will be return after 3 months of expiry of warranty period.   |
| Warranty Period   | Warranty Period /defect liability period of the executed work will be 03 months from the date of satisfactory inspection of the completed work by the NISE Committee.   |
| Liquidated Damage and Penalty                                     | If the bidder/Manufacturer/Supplier fails to complete the work within the period specified or deliver the Goods or to perform the Services within the period (s) as indicated in Appendix “A”, “B”, “C”, “D”, “E”, “F”, and “G” specified in the Tender Document / Contract, the Purchaser shall, without prejudice to its other remedies under the contract, deduct half percent (0.5%) of contract price per week for the delay subject to a ceiling of 10% of the final contract price/tender value. A penalty of 5% of Tender Value will also be charged from the contractor in case of any damages to NISE property/resource during the execution of work. |
| Bid Validity  | All Bids received against published NIT shall be valid for at least 6 months from the date of opening Tender Bids.  |
| Payment Terms   | The total Payment to the contractor for the awarded work will be released after the satisfactory completion of the work. No advance or partial payment will be released to contractor before completion of work. Contractor shall raise the invoice/ bill on actual work executed as measured in presence of works committee of NISE as per rates quoted in work order.   |
| Address for Communication of tender issuing and Accepting officer | Assistant Director (Admin),<br>National Institute of Solar Energy,<br>Gurugram - Faridabad Road, Gwal Pahari,<br>Gurugram-122003, Haryana, India.<br>Email: <a href="mailto:deepak.khandelwal@nise.res.in">deepak.khandelwal@nise.res.in</a> , <a href="mailto:d.pandey86@gov.in">d.pandey86@gov.in</a><br>Phone No.: +91124-285 3008/ 2853070  |

Director- General  
National Institute of Solar Energy  
Gurugram-Faridabad Road,  
Gwal Pahari, Gurugram - 122 003,  
Haryana, India

## Appendix – “C”: Instructions to Bidders

- (i) Only those bidders who fulfill the eligibility criteria mentioned in **Appendix B** shall apply for the said NIT.
- (ii) Bidders should submit their price bid as per the format provided at **Appendix-F**.
- (iii) Bidders who do not meet the criteria given above or make an untrue or falser presentation, statements and attachments submitted in proof of the qualification requirements or have a record of poor performance, do not properly complete the contract, cause inordinate delays in completion or financial failure are subject to disqualification.
- (iv) All Bidders will undergo a strict scrutiny process for evaluation. Submission of the bid alone does not guarantee the award of Work Order to the Bidder.
- (v) All works are to be strictly executed in accordance with BOQ.
- (vi) The work is to be completed within the period as indicated in aforesaid **Appendix ‘B’** in accordance with the phasing, if any, indicated in the tender from the date of handing over of site.
- (vii) The NISE will return the earnest money applicable to all unsuccessful tenderers as per the bank details submitted in bid document.
- (viii) Bidder shall comply with the provisions of various Acts and Statutory requirements such as Contract Labor Act, Minimum Wages Act, Child Labor (Protection) Act, Factory Act, Shops & Establishment Act etc. and any other enactment made in this regard from time to time.
- (ix) Bidder shall quote rates on the format of BOQ published in this tender.

Director-General  
National Institute of Solar Energy  
Gurugram-Faridabad Road,  
Gwal Pahari, Gurugram-122003,  
Haryana, India

**Bank Details for the Purpose of issuing EMD in the form of FDR/BG**

|                         |  |
|-------------------------|--|
| Account Holder Name     | National Institute of Solar Energy (NISE),   |
| Account Holder Address  | Gurugram-Faridabad Highway, Gwal Pahari<br>Gurugram-122003, Haryana<br>Tel: +91124285 3008; 3070       |
| Bank Name               | State Bank of India  |
| Branch                  | Shop no. 12, DLF Qutub Enclave, Haryana  |
| SB Account No.          | 33843408697  |
| IFSC Code               | SBIN0006604  |
| MICR Code               | 110002197  |
| Branch Code             | 06604  |
|                         |  |
| <b>NISE GST Details</b> |  |
| Full address            | National Institute of Solar Energy<br>Gurugram-Faridabad Road<br>Gwal Pahari; Gurugram-122003, Haryana |
| GST No                  | 06AAAJN0939P1ZR  |
| State Code              | 06   |

## FORMAT FOR SUBMISSION OF BIDDERS DETAILS

|    |                                      |  |
|----|--------------------------------------|--|
| 1. | Name of bidder                       |  |
| 2. | Registered Address                   |  |
| 3. | Phone No                             |  |
|    | Name of proprietor/ CEO/<br>Chairman |  |
|    | Phone no/Mobile No                   |  |
|    | Email ID                             |  |
| 4. | Correspondence<br>Address            |  |
| 5. | Name of Contact Person               |  |
|    | Designation                          |  |
|    | Phone no/ Mobile No                  |  |
|    | Email ID                             |  |
| 6. | Website                              |  |
| 7. | <b>Bank related information</b>      |  |
|    | Bank name                            |  |
|    | Branch name                          |  |
|    | Branch address                       |  |

|   |                |  |
|---|----------------|--|
|   | RTGS-IFSC Code |  |
|   | Account type   |  |
|   | Account Name   |  |
|   | Account no     |  |
| 8.  | PAN No.        |  |
| 9.  | GST No.        |  |
| <p>Documents to be submitted along with bid</p> <ol style="list-style-type: none"> <li>1. Document in support of eligibility of bidder mentioned in <b>Appendix B</b>: Eligibility criteria</li> <li>2. Previously executed work orders with respect to civil &amp; electrical works</li> </ol> |                |  |

I certify that the information given herein is correct to the best of my knowledge and belief.

Signature of Proprietor/CEO/Chairman

Seal of the company/concern.

## **Appendix 'D': Specification of Work**

The specification of work for “**Electrical and Civil work for repair and renovation of various buildings/labs at National Institute of Solar Energy**”.

1. Specification of the work for the above NIT will be strictly governed by the BOQ items as well as the quantity for respective items listed in **Appendix-F**.
2. All material to be provided by the contractor shall be in conformity with the specifications laid down in the contract and the contractor shall, if requested by the Committee, furnish proof to the satisfaction of Committee through the samples of the materials to be used for the execution of work.
3. The Committee shall have full powers to require removal of any or all of the materials brought to site by the Contractor which are not in accordance with the contract specifications or do not conform in character or quality to samples approved by him. In case of default on the part of the contractor in removing rejected materials the Committee shall be at liberty to have them removed by other means. The Committee shall have full powers to procure other proper materials to be substituted for rejected materials and in the event of the contractor refusing to comply, he may cause the same to be supplied by other means. All costs, which may attend upon such removal and /or substitution, shall be borne by the Contractor.

Director-General  
National Institute of Solar Energy  
Gurugram-Faridabad Road,  
Gawal Pahari, Gurugram-122003,  
Haryana, India

## Appendix -‘E’: General Terms and Conditions

1. **Site Survey:** Interested Bidder/Vendor are requested to inspect the site, NISE with prior appointment with site in-charge and get them acquainted with the nature of work and local conditions that may have a bearing on the rates/quotes.
2. **Payment:** 100% payment for the work shall be payable after satisfactory inspection of the completed work by the committee.
3. **Taxes and Duties:** Manufacturer/Supplier shall be entirely responsible for all taxes, GST, license fees, Custom duty (NISE shall provide only Customs duty exemption and concessional GST exemption certificate), all other duties, demurrage charges (if any), road permits, etc., incurred until delivery of the contracted goods at the Purchaser’s premises i.e., NISE, Gurugram. In this respect, the bidders must ascertain all their doubts, if any, from NISE before submission of their bid.
4. **Applicable Law:** The Contract shall be interpreted according to the laws of the Union of India and all disputes shall be subject to the place of jurisdiction in Gurugram, Haryana
5. **DEMOLITION/ DISMANTLING**
  - (i) The contractor shall carryout demolition/dismantling carefully without any damages to the existing structure/features. In the event of any loss or damage, the contractor shall at his own expense reinstate and make good to the full satisfaction of Committee
  - (ii) During demolition/dismantling all necessary precaution shall be taken by the contractor.
  - (iii) The demolition/dismantling materials shall remain Government property & the contractor shall remove & keep the materials in NISE as per BOQ.
6. **PAINT:** Contractor shall deliver all painting materials to the work site in original containers with seals and labels intact.
7. **COARSE AGGREGATE:** Coarse aggregate shall conform to IS and locally available in area.
8. **FINE SAND:** Fine aggregate for all concrete work shall be “BADARPUR” sand and/ or “GHAGGAR” river sand (from near Locally area) conforming to samples.
9. **Note:** Wherever “Badarpur” sand has been specified in the tender documents, the contractor shall be permitted to use “Gagger” sand (from near Locally area) at his own cost, if he so desires due to inadequate supply/non availability of “Badarpur” sand. No price adjustment shall be made on this account. Sample of “Gagger” sand shall however, be got approved from the DG NISE before incorporation in the work. Other provisions in the respective clauses shall remain unchanged.
10. **BRICK WORK:**
  - 10.1.1 Bricks to be used shall be best quality locally available known as first class (Sub 14 class ‘B’ bricks). The size of bricks shall be within limits of 8 ¾” x 4 3/16” x 2 5/8” to 9 inches x 4 ½ inches x 3 inches (Normal size bricks).
  - 10.1.2 Bricks shall be kiln burnt having minimum compressive strength of 75Kg/Sqcm and shall comply with the requirements of sub class ‘B’ designated as 7.5 B as specified in IS-1077.

10.1.3 Sand of mortar in all the brick work shall be 50% coarse sand (Badarpur/ Gagger Sand) and 50% Jamuna (fine sand) Mix of cement and sand mortar.

11. All above quantities are tentative, may increase or decrease as per site requirements and will be paid as per actual supplied/ installed. Items to be received in installments as per site requirements. All Cables to be Fire Resistant & all Cable/Wires should be numbered with marker ferules at both ends.
12. **WATER:** Water for the use of construction work will not be provided by NISE and the contractor will have to make his own arrangements for supply of water as well as any other special resources required in the execution of the said.
13. **Electricity:** Electricity will be provided by NISE. All necessary arrangements including cables and other required materials and safety should be ensured by the firm.
14. **LOCATION OF WORKS:** - National Institute of Solar Energy, Gurugram
15. **WATCH/LIGHTING:** - The contractor shall at his own cost take all possible precautions to ensure safety of life and property by providing necessary fencing, barriers, light, watchmen etc. during the progress of work and as directed by the Committee.
16. **HANDING OVER OF SITE:** Site for execution of work will be made available as soon as the work is awarded. In case it is not possible to make the entire site available on the award of work, the contractor will have to arrange his working programme accordingly. No claim whatsoever, for not giving entire site on award of work and for giving site gradually, will be tenable.
17. **WORK ON HOLIDAY:** - The contractor shall not carry out work on gazetted holiday weekly holidays, National Holiday and other non-working days except when he is specially authorized in writing to do so by the DG. The DG NISE may at his sole discretion declare any day as holiday or non-working day without assigning any reason for such declaration.
18. All electrical appliances being used inside the building should have the Bureau of Indian Standard (BIS) Mark. All Switches should be connected in phase wiring only.
19. The three type of wire with different color code. (Red as phase wire, blue as earth wire and black as neutral) should be used.

**Appendix – “F”: Price Bid Format**  
(On Company’s Letter head)

Date: / /2025

**PRICEBID/ SCHUDLE OF RATE/ BOO**

**Bidders are requested to provide rates for below scheduled items after site inspection:-**

| <b>Electrical and Civil work for repair and renovation of various buildings/labs at National Institute of Solar Energy</b> |   |             |            |                           |                               |
|--|---|-------------|------------|---------------------------|-------------------------------|
| <b>A) Civil Work</b>   |   |             |            |                           |                               |
| <b>SI No</b>   | <b>Description of Items</b>   | <b>Unit</b> | <b>Qty</b> | <b>Rate Including GST</b> | <b>Amount (Including GST)</b> |
| 1  | Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc.   | sqm         | 1200       |                           |                               |
| 2  | Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :                     |             |            |                           |                               |
|  | New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre  | sqm         | 1200       |                           |                               |
| 3  | Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :   |             |            |                           |                               |
|  | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture                              | sqm         | 20         |                           |                               |
|  | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture                        | sqm         | 110        |                           |                               |
| 4  | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.                                       | sqm         | 1200       |                           |                               |
| 5  | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.   |             |            |                           |                               |
|  | With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre  | sqm         | 1200       |                           |                               |
| 6  | Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in charge. | each        | 3          |                           |                               |
| 7  | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.  |             |            |                           |                               |
|  | Nominal concrete 1:3:6 or richer mix (including equivalent design mix)  | cum         | 5          |                           |                               |

|    |  |       |     |  |  |
|----|--|-------|-----|--|--|
| 8  | Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.   | each  | 5   |  |  |
| 9  | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):  |       |     |  |  |
|    | With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)   | sqm   | 20  |  |  |
| 10 | Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.  |       |     |  |  |
|    | Upto 5 mm depth and 5 mm width   | metre | 200 |  |  |
| 11 | Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :  |       |     |  |  |
|    | Of area 3 sq. metres and below   | each  | 20  |  |  |
| 12 | Providing and fixing Stainless steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:   |       |     |  |  |
|    | Kitchen sink with drain board  |       |     |  |  |
|    | 510x1040 mm bowl depth 200 mm  | each  | 2   |  |  |
| 13 | Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-  |       |     |  |  |
|    | White Vitreous China Wash basin size 550x400 mm with a 15Brass single hole basin mixer mm CP   | each  | 1   |  |  |
| 14 | Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.  | sqm   | 50  |  |  |
| 15 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08% and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. |       |     |  |  |
|    | Size of Tile 500x500 mm  | sqm   | 15  |  |  |
| 16 | 15 mm cement plaster on the rough side of single or half brick wall of mix:  |       |     |  |  |
|    | 1:4 (1 cement : 4 fine sand)   | sqm   | 600 |  |  |
| 17 | Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. flat 15x3 mm and nuts & bolts complete.   |       |     |  |  |
|    | Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides  | sqm   | 20  |  |  |

|    |   |      |    |  |  |
|----|---|------|----|--|--|
| 18 | Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:  |      |    |  |  |
|    | 1:4 (1 cement : 4 coarse sand)  | sqm  | 5  |  |  |
| 19 | Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.   | each | 3  |  |  |
| 20 | Providing and fixing PTMT Bottle Trap for Wash Basin and Sink   |      |    |  |  |
|    | Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260gms  | each | 3  |  |  |
| 21 | Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour  |      |    |  |  |
|    | Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms  | each | 3  |  |  |
| 22 | Disposal of building rubbish/ malba/ similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.  | cum  | 20 |  |  |
| 23 | Providing and fixing 150 mm bright finished floor brass stopper with rubber cushion, necessary brass screws etc. to suit sutter thickness complete  | each | 30 |  |  |
| 24 | Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing:  |      |    |  |  |
|    | Rectangular shape 453x357 mm  | each | 1  |  |  |
| 25 | Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.  | each | 1  |  |  |
| 26 | Providing and fixing factory made Kitchen cabinet Shutter/ Partition 20 mm nominal thickness of approved shade, quality and make, made from rigid foam sheets (Single extruded) having density 600 Kg/cum and laminated on both side by laminated Sheet/PVC foil lamination. The exposed edges shall be sealed with PVC edge beading of same shade and colour. The shutter shall be fire retardent having necessary screw holding capacity. Shutter shall be fixed to frame using approved hinges with necessary stainless steel screws, all complete as per direction of Engineer-in-charge. | sqm  | 5  |  |  |
| 27 | Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain pipe etc. complete:   |      |    |  |  |
|    | For pipes 100 mm to 250 mm diameter   | each | 7  |  |  |

|    |   |     |     |  |  |
|----|---|-----|-----|--|--|
| 28 | Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : |     |     |  |  |
|    | Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)   | kg  | 420 |  |  |
| 29 | Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.   |     |     |  |  |
|    | Pre-laminated particle board with decorative lamination on both sides   | sqm | 10  |  |  |
| 30 | Basic Rate (0.2 labour) Fitter - Grade 1  | day | 10  |  |  |
| 31 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a prime coat of approved steel primer all complete.   | kg  | 800 |  |  |
| 32 | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying priming coat of approved steel primer using structural steel etc. as required.  |     |     |  |  |
|    | In gratings, frames, guard bars, ladder, railings, brackets, gates and similar works  | kg  | 200 |  |  |
| 33 | Earth work by mechanical/ manual means in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, roiling each layer with 0.5 tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonne and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions lead up to 50m and for all lift:  |     |     |  |  |
|    | All kinds of soil   | cum | 3   |  |  |
| 34 | Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50 m, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc., all complete, as per the architectural all drawings as specified and as directed by Engineer-in-charge consisting of:   |     |     |  |  |

|                           | Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor Panel shall be steel welded construction with an enclosed bottom pan with uniform platform of 64 hemispherical cones. The top and bottom plates of Steel Gauges, top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corrosist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip non-combustible Portland cementitious core mixed with light weight foaming compound. The access floor shall be factory finished with Anti-static High Pressure laminate with NON Warp Technology upto 1mm thickness for superior adhesion and Surface flatness within 0.75 mm. The panel is to withstand a Concentrated Load of 363 kgs applied on area 25 mm x 25 mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50 kg all complete as per the approved manufacturers specification and as per the Direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product. |           |      |                    |                        |
|---------------------------|---|-----------|------|--------------------|------------------------|
|                           | 450 mm Finished Floor Height (FFH)  | sqm       | 25   |                    |                        |
| 35                        | Repairs of glass door including the supply and installation of 2 nos Heavy Duty Floor Spring Machine for Wooden & Aluminium Doors (suitable for door weight up to 80KG), 2 nos of Heavy Duty Glass Door Bottom/top Patch Fitting of Stainless Steel Accessories and 2 nos of Heavy Duty Stainless Steel Lock for Glass Door Thickness 10 mm to 12 mm Having 3 Ultra Keys Out Side & Knob Inside with Screws Satin Finish Pack   | Nos       | 2    |                    |                        |
| 36                        | Polyethylene water storage tank with cover and suitable locking arrangement   | per litre | 6.5  |                    |                        |
| 37                        | Surface dressing of the ground including vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish lead upto 50 m and lift up to 1.5 m.  |           |      |                    |                        |
|                           | All Kind of soil  | sqm       | 1000 |                    |                        |
| <b>Total (A)</b>          |   |           |      |                    |                        |
| <b>B) Electrical work</b> |   |           |      |                    |                        |
| SI No                     | Description of Items  | Unit      | Qty  | Rate Including GST | Amount (Including GST) |
| 1                         | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.   |           |      |                    |                        |
|                           | Group B   | Point     | 70   |                    |                        |
| 2                         | Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single   |           |      |                    |                        |

|    |   |       |     |  |  |
|----|---|-------|-----|--|--|
|    | core cable in surface/ recessed medium class PVC conduit as required.   |       |     |  |  |
|    | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire  | Meter | 400 |  |  |
|    | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire  | Meter | 350 |  |  |
| 3  | Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.   |       |     |  |  |
|    | 20 mm   | Meter | 100 |  |  |
|    | 32 mm   | Meter | 100 |  |  |
| 4  | Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.  |       |     |  |  |
|    | 5/6 amps switch   | Each  | 60  |  |  |
|    | 3 pin 5/6 A socket outlet   | Each  | 30  |  |  |
|    | 15/16 A switch  | Each  | 56  |  |  |
|    | 6 pin 15/16 A socket outlet   | Each  | 56  |  |  |
| 5  | Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.   |       |     |  |  |
|    | 6 Module (200mmX75mm)   | Each  | 12  |  |  |
|    | 3 Module (100mmX75mm)   | Each  | 20  |  |  |
|    | 12 Module (200mmX150mm)   | Each  | 10  |  |  |
| 6  | Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.  | Each  | 20  |  |  |
| 7  | Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator).        |       |     |  |  |
|    | 6 way (4 + 18), Double door   | Each  | 1   |  |  |
| 8  | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.  |       |     |  |  |
|    | Single pole   | Each  | 10  |  |  |
| 9  | Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.   |       |     |  |  |
|    | 100 A   | Each  | 1   |  |  |
|    | Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required. | Each  | 4   |  |  |
| 10 | Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required.   |       |     |  |  |
|    | 32 A TP&N   | Each  | 1   |  |  |
|    | 63 A TP&N   | Each  | 2   |  |  |

|    |   |      |    |  |  |
|----|---|------|----|--|--|
| 11 | Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.   | Each | 6  |  |  |
| 12 | Brush Less Direct Current (BLDC) Fan with Remote Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body. Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.   |      |    |  |  |
|    | 1400mm, service value $\geq 6.0$ CM/Min/Watt, air delivery 245 CM/Min (Minimum)   | Each | 20 |  |  |
| 13 | HI - WALL SPLIT SYSTEMS Supplying , Installation, Testing and Commissioning of Air Cooled Hi Wall split type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), surface / concealed copper Refrigerant piping with insulation (closed cell elastomeric nitrile rubber tubular pipe section) upto 3 Mtr (IDU to ODU), copper power cable upto 3.5 Mtr (IDU to ODU) i/c drain pipe R-32/R-410/ R-407 Green Refrigerant, wireless Remote control, suitable for working between 180 260V with low & high voltage cutoff and 50 hz ,1 phase AC supply capable of performing cooling, dehumidification, air circulation of following capacity with Scroll / rotary compressor. The system shall be able to deliver 100% of the rated capacity upto 42 0C. Min 5 year Original Equipment Manufacturer (OEM) warranty both compressor and Printed Circuit Board (PCB). Must comply : Electrical cable IS 694 or IS 9968 temperature sensing control IS /International Electrotechnical Commission (IEC) 60730, hermetic compressor IS 10617, heat exchanger IS 11329, capacitor IS 2993 and motor IS 12615. Complete as per CPWD specification and IS : 1391 Part II 2023. The system shall be able to operate up to 50 0C (out door ambient temperature). |      |    |  |  |
|    | 2.0 TR with 5 Star BEE Rating   | Each | 5  |  |  |
| 14 | Installation, Testing and Commissioning of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.  |      |    |  |  |
|    | Upto 450 mm sweep   | Each | 3  |  |  |

|  |   |      |    |  |  |
|--|---|------|----|--|--|
| 15   | LED Batten light (System lumen efficacy $\geq 120$ 85%, Operating voltage AC 140 270 Volt, frequency 50/60 hz, Operating temp range -5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F. $\geq 0.95$ , IP20, CRI >80, Flicker free (flicker should be below 5 %), life time (LED,Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Colour Matching) <3, Maximum power consumption Powder coated die cast /Extruded aluminium Body (Thickness > 1.20 mm)should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy $\geq 120$ <135 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). |      |    |  |  |
|  | 18- 22 Watt   | Each | 75 |  |  |
| 16   | LED Down lighter (SMD Type) (System lumen efficacy >135lm/Watt) Supplying, Installation, Testing & Commissioning of LED Recessed/surface Down lighter (Round /square/Rectangular) SMD type of following body material with PMMA and prismatic diffuser and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range - 5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F. $\geq 0.95$ , IP20, CRI >80, UGR (Unified Glare Rating) < 19, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), life time of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K/ 4000°K /5700°K / 6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) 135 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body including trim .   |      |    |  |  |
|  | 18 watt   | Each | 75 |  |  |
| <b>Total (B)</b>                             |   |      |    |  |  |
| <b>Total Amount (A+B) (inclusive of GST)</b> |   |      |    |  |  |

**Annexure-“G” DECLARATION BY THE CONTRACTOR**

I/We \_\_\_\_\_ contractor hereby undertake following declaration as part of our participation in tender floated by **NISE Gurugram** with **NIT No.** \_\_\_\_\_, that:

Any labour/mechanic engaged on the plant will be paid on Minimum wages a notified by state/district authority as per entitled category.

I/We declare that our firm/company falls/do not falls under MSME category of MSE procurement policy issued by Ministry of MSME (tick appropriate).

I/We also undertake to abide by the various laws in force and extend necessary facilities and amenities to the staff and workers employed by me/us.

I/We hereby declare that I/We are myself/ ourselves thoroughly conversant with the local conditions regarding all materials and labour on which I/We have based my/our rates for this work. The specification/ conditions of this work have been carefully studied and understood by me/us before submitting this tender.

I/We hereby promise to get ourselves registered with the labour department as per provision of the laws before commencement of the work.

I/We hereby declare that I/We have not been blacklisted/debarred from taking work by NISE.

I/We have read the tender document and understood all the provisions and specifications in totality. All terms and conditions stipulated intender document are acceptable to us. We do not have any term and condition of our own.

Signature of the contract

(Seal & Date)