

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

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**This Tender documents contains pages One to Seventy Eight Only**

**NIT Amounting to Rs.3,09,72,240.00/- (Rs.Three Crore Nine Lakhs Seventy Two Thousands Two Hundred Forty Only)**

**Institute Engineer**

**Notice Inviting E-Tender (E-Procurement mode)**  
**INDIAN INSTITUTE OF TECHNOLOGY DELHI**  
**HAUZ KHAS, NEWDELHI-110016**

**Dated:-20/02/2020**

|   |
|---|
| <b>Open Tender Notice No./IITD/ WORKS(SP-2911)/2020</b> |
|---|

Indian Institute of Technology Delhi is in the process of purchasing following item (s)/ services as per details as given as under.

|  |  |
|--|--|
| <b>Details of the item</b>             | <b>Name of work:-</b> Renovation of 72 Nos (A-Type) houses in block no.A-7, A-10, A-11 and A-17 in east campus at IIT Delhi. <b>Sub Head :</b> Civil and electrical work |
| <b>Earnest Money Deposit submitted</b> | <b>Rs.6,19,445.00/-</b>  |
| <b>Warranty / Maintenance Period</b>   | <b>1 Year</b>  |
| <b>Performance Security</b>            | <b>5% of Tender Amount</b>   |

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>

Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <http://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.

Tender can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type 'IIT'. Thereafter, Click on "GO" button to view all IIT Delhi tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <http://eprocure.gov.in/eprocure/app> as per the schedule given in the next page.

No manual bids will be accepted. All quotation (both Technical and Financial should be submitted in thee - procurement portal)

### NOTICE INVITING E-TENDERS

Executive Engineer (CD-III) Indian Institute of Technology, HauzKhas, New Delhi-16. (Phone No. 011-26596237) on behalf of Board of Governors invites online **Item Rate Tender** from Firms/ Contractors Registered in appropriate class and category with CPWD, MES, BSNL, and Railways for the following work:

1. NIT No : **/IITD/EE(CD-III)/2019-2020**
2. Name of Work : **Renovation of 72 Nos. (A-type) Houses in block no.-A-7, A-10, A-11 and A-17 in east campus at IIT Delhi. Sub Head: - Civil and electrical work**
3. Estimated cost : **Rs. 3, 09, 72,240.00/-**
4. Earnest Money : **Rs. 6, 19,445.00/-**
5. Period of completion : **17 Months**
6. Last time & date of submission of bid: **02/03/2020 up to 3:00 pm (on line)**

The bid forms and other details can be obtained from the website **www.iitd.ac.in** or **e-procure.gov.in** **free of cost**. For more clarification you may visit on above website.

**Executive Engineer (CD-III),  
For & on Behalf of BOG, IIT Delhi**

**Ch. Head: PLN-12/01**

**Work code-WO3304**

**Copy to: -**

1. Institute Engineer
2. Executive Engineer (CD-III) for information.
3. D.A. (Works Accounts)
4. AEE (C)
5. D.R. (A/Cs) – for opening of uploaded documents **at 3:00 PM on 03/03/2020** in the office of D.R. Store
6. Notice Boards.
7. Office Copy
8. Web site Administrator, I.I.T.D.

**INDIAN INSTITUTE OF TECHNOLOGY: DELHI**  
**HAUZ KHAS: NEW DELHI – 110016**

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING (Tender Notice)**

The Executive Engineer (CD-III), IIT DELHI, HAUZ KHAS, New Delhi-16 (Phone No 011-26596237) on behalf of Board of Governors invite online **Item Rate Tender** from Firms/ Contractors Registered in appropriate class and category with CPWD, MES, BSNL, and Railways for **Composite works** of the following work:

| SL. No. | NIT No.                     | Name of Work   | Estimated Cost (in Rs.) | Earnest Money (in Rs.) | Tender Fees (in Rs.) | Time for completion |
|---------|-----------------------------|--|-------------------------|------------------------|----------------------|---------------------|
| 1       | /IITD/EE(CD-III)/2019-2020. | <b>Name of work:Renovation of 72 Nos (A-Type) houses in block no.A-7, A-10, A-11 and A-17 in east campus at IIT Delhi.Sub Head:Civil and electrical work</b> | <b>3,09,72,240/-</b>    | 6,19,445.00            | <b>1500/-</b>        | <b>17Months</b>     |

Last date and time of submission of financial & Technical bid : 02/03/2020 up to 3:00 pm (on line)

Date and time of opening of Technical bid : -03/03/2020 upto 3:30 pm (office of D.R Store)

Price bids of eligible bidders as per NIT shall be opened at a later date after scrutiny of Technical bids.

- The successful bidders shall be required to submit a performance guarantee of 5% of the tendered amount in the form of Bank Guarantee or F.D.R. from a Nationalized/Scheduled Bank within 15 days of issue of letter of intent before award of work. In case of failure by the Contractor to supply the performance guarantee within the specified period, full earnest money will be forfeited and the tender shall be treated as void. The performance guarantee shall be initially valid up to the stipulated date of completion plus 60 (Sixty) days beyond that.
- Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
  - Firms/Contractors must have completed satisfactorily one similar work of value not less than Rs.2,47,77,800.00/- or Two similar works each of value not less than Rs.1,85,83,400.00/- or there similar works each of value not less than Rs 1,23,88,900.00/- during last 7 years ending on date 30-12-2019.**
  - Earnest money of Rs. 6,19,445.00/-** in the form of Banker's cheque or Demand draft or fixed deposit receipt of a schedule bank drawn in favour of **Registrar, I.I.T. Delhi** or through RTGS/NEFT as per detail given on page-09. No relaxation in EMD will be allowed for MSMEs and MSEs as per CPWD Manual.
- The intending bidder must read the terms and conditions of IITD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <http://eprocure.gov.in/eprocure/app> in free of cost.
- Completion certificates issued by an officer not below the rank of Executive Engineer of similar works completed by the Agency.
- Work means only work under Government/ Public Sector Under taking / Autonomous bodies.

- 8. Similar work means composite works of maintenance of buildings/ Renovation/ Addition Alteration/ Rehabilitation / New construction of buildings (Civil + Electrical) work only.**
9. The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to last date of submission of financial bid.
10. IITD is committed to follow the principle of transparency, equity and competitiveness in public procurement. Before submission of bid each bidder should sign integrity pact at respective places and submit the bid, if duly signed integrity pact is not submitted by bidder such bid shall not be considered.
11. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website
12. The intending bidder must have valid class-III digital signature to submit the bid.
13. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
14. Contractor can upload documents in the form of JPG format and PDF format.
15. Contractor must ensure to quote rate of each item, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
17. In e-Tendering intending bidder can quote his rates in figures only. The rates in words, amount of each item and total is generated automatically. Therefore, the rate quoted by the bidder in figures is to be taken as correct.
18. The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker`s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and towards cost of EMD in favour of **Registrar IIT Delhi** to be deposited with <http://eprocure.gov.in/eprocure/app> / NEFT facility.
19. The physical EMD of the scanned copy of EMD uploaded shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected.
20. The following undertaking in this regard shall be up-loaded by the intending bidders: **“the physical EMD shall be deposited by me / us with the Authority inviting the tender, in case I / we become the lowest tenderer, within a week of the opening of financial bid, otherwise, department may reject the tender and also take action to debar me / us from tendering in any form in IIT Delhi”**
21. **Copy of enlistment order and certificate of work experience and other documents as specified in the Press Notice / web notice shall be scanned and up-loaded to the e-Tendering website within the period of bid submission. However, certified / original copy of all the scanned and up-loaded documents as specified in press notice web / notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of e-tendering authority and it shall be sole responsibility of lowest bidder.**
22. **Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited EMD and other documents scanned and uploaded are found in order.**
23. When bids are invited in two /three stages systems and if it is desired to submit revised financial bid it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid – Not applicable.
- 24. The bid submitted shall become invalid if:**
- The bidder is found ineligible if he fails to upload documents from 1 to 10 on tender notice page5.
  - The bidder does not upload all the documents (including GST registration) as stipulated in the bid document including the undertaking about deposition of physical EMD of the scanned copy of EMD uploaded etc.
  - If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
  - The lowest bidder does not deposit physical EMD within a week of opening of tender.
25. Bid validity shall be 90 days from opening of financial bid.
26. Rate of bidders shall be considered inclusive of GST.

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

- Demand Draft/Pay order or Banker`s Cheque /Deposit at Call Receipt/FDR of any Scheduled Bank against EMD.
- Enlistment order of contractor.
- Attested certificate of work experience.

4. Certificate of Registration for GST and acknowledgement of up to date filed return of GST.
5. Affidavit as per Notice Inviting Tender Condition 1.3 page 19 of NIT.
6. Acceptance to execute INTEGRITY PACT.
7. Undertaking as per ‘Sl. No. 20’ above on firm’s letter head.

**“the physical EMD shall be deposited by me / us with the Authority inviting the tender, in case I / we become the lowest tenderer, within a week of the opening of financial bid, otherwise, department may reject the tender and also take action to debar me / us from tendering in any form in IIT Delhi”**

8. ESI & EPF registration.
9. FORM “F” (Duly filled with all required details).
10. Tender Fee of Rs. 1500/- in favour of IITD to be deposited in IITD Canara Bank or IITD SBI Bank & receipt copy to be scanned & uploaded in tender (technical bid) or this fees can be directly RTGS to Registrar IITD and its proof to be uploaded in technical bid

***Executive Engineer (CD-III),  
For & on Behalf of BOG, IIT Delhi  
Hauz Khas, New Delhi-110016.***

**Ch. Head:PLN-12/01**

**Work code-3304**

**Copy to: -**

1. Executive Engineer (CD-III) for information.
2. D.A. (Works Accounts)
3. AEE (C)
4. D.R. (A/Cs) – for opening of tenders on 03/03/2020 at 3:30 PM in the office of D.R. Store
5. Notice Boards.
6. Office Copy
7. Web site Administrator, I.I.T.D
8. NIT :- Publicity on Website on Institute as well as on CPP portal <http://eprocure.gov.in> may be ensured as per instruction issued.
9. E-tendering Web. <http://eprocure.gov.in/eprocure/app> or [www.iitd.ac.in](http://www.iitd.ac.in)

**FORM "F"**  
**STRUCTURE & ORGANISATION**

1. Name & Address of the bidder
2. Telephone no./ Telex no./ Fax no.
3. Legal status of the bidder (attach copies of original document defining the legal status)
  - a. An Individual
  - b. A proprietary firm
  - c. A firm in partnership
  - d. A limited company or Corporation
4. Particulars of registration with various Government Bodies (attach attested photocopy)

Organization/ Place of registration

Registration No.

- 1.
- 2.
- 3.
5. Name and titles of Directors & Officers with designation to be concerned with this work.....!
6. Designation of individuals authorized to act for the organization.....!
7. Has the bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion?  
If so, give name of the project and reasons for abandonment.....!
8. Has the bidder or any constituent partner in case of partnership firm, ever been debarred/ black listed for tendering in any organization at any time? If so, give details.....!
9. Has the bidder, or any constituent partner in case of partnership firm, ever been convicted by the court of law? If so, give details.....!
10. Past work experience in IIT Delhi will be considered in deciding the Technical bid.....!

Signature of Bidder(S)

**Notice Inviting Tender**  
**INDIAN INSTITUTE OF TECHNOLOGY DELHI**  
**HAUZ KHAS, NEW DELHI-110016**  
**Terms & Conditions**

Indian Institute of Technology Delhi is in the process of purchasing following item(s) as per details as given as under.

|  |  |
|--|--|
| <b>Details of the item</b>                   | <b>As per Tender Notice</b>                        |
| <b>Earnest Money Deposit to be submitted</b> | <b>Rs. 6,19,445.00/-</b>                           |
| <b>Warranty</b>                              | <b>As per Tender Notice, NIT &amp; IITD form 8</b> |
| <b>Performance security</b>                  | <b>As per Tender Notice, NIT &amp; IITD form 8</b> |

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <http://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.

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



## Schedule

|  |  |
|--|--|
| Name of Organization   | Indian Institute of Technology Delhi   |
| Tender Type (Open/Limited/EOI/Auction/Single)                                      | Open   |
| Tender Category (Services/Goods/works)   | Works  |
| Type/Form of Contract (Work/Supply/Auction/Service/Buy/Empanelment/ Sell)          | Works  |
| Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems) | Civil  |
| Source of Fund (Institute/Project)   | Budget Code PLN –12/WO3304   |
| Is Multi Currency Allowed  | No   |
| Date of Issue/Publishing   | 20/02/2020 at (11:00 Hrs)  |
| Document Download/Sale Start Date  | 20/02/2020 at (11:00 Hrs)  |
| Document Download/Sale End Date  | 02/03/2020 at (15:00 Hrs)  |
| Date for Pre-Bid Conference  | <b>Nil</b>   |
| Venue of Pre-Bid Conference  | ---  |
| Last Date and Time for Uploading of Bids   | 02/03/2020 up to 3:00 pm (on line)   |
| Date and Time of Opening of Technical Bids   | 03/03/2020 upto 3:30 pm (office of D.R Store)  |
| Tender Fee   | <b>Rs. 1500/-</b>  |
| EMD  | <b>Rs. 6,19,445.00/-</b><br>(To be paid through RTGS/NEFT. IIT Delhi Bank details are as under:<br>Name of the Bank A/C : Registrar IIT Delhi<br>SBI A/C No. : 10773572622<br>Name of the Bank : State Bank of India, IIT Delhi, HauzKhas, New Delhi-110016<br>IFSC Code : SBIN0001077<br>MICR Code : 110002156<br>Swift No. : SBININBB547<br>(This is mandatory that UTR Number is provided in the on-line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-II) <b><u>or as per NIT/ Tender notice</u></b> |
| No. of Covers (1/2/3/4)  | <b>02</b>  |
| Bid Validity days (180/120/90/60/30)   | <b>90 days (From last date of opening of bids)</b>   |
| Address for Communication  | <b>EE(CD-III), East Campus Maintenance (Residential Area Maintenance) , IIT Delhi.</b>   |
| Contact No.  | <b>011-26596237</b>  |
| Fax No.  | <b>Nil</b>   |
| Email Address  | <a href="mailto:a26516@admin.iitd.ac.in">a26516@admin.iitd.ac.in</a>   |

### **Instructions for Online Bid Submission:**

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

More information useful for submitting online bids on the CPP Portal may be obtained at:

<http://eprocure.gov.in/eprocure/app>

### **REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link “Click here to Enroll”. Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / eToken.

### **SEARCHING FOR TENDER DOCUMENTS**

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

### **PREPARATION OF BIDS**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.

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

### **SUBMISSION OF BIDS**

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as “on-line” to pay the tender fee / EMD as applicable and enter details of the instrument. Whenever, EMD / Tender fees is sought, bidders need to pay the tender fee and EMD separately on-line through RTGS (Refer to Schedule, Page No.2).
- 4) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

OR

In some cases Financial Bids can be submitted in PDF format as well (in lieu of BOQ).

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

- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

**ASSISTANCE TO BIDDERS**

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

**General Instructions to the Bidders**

- 1) The tenders will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app> . Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
- 3) Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>.

### Terms & Conditions Details

| S.No. | Specification  |
|-------|--|
| 1.    | <b>Due date:</b> The tender has to be submitted on-line before the due date. The offers received after the due date and time will not be considered. No manual bids will be considered.  |
| 2.    | <b>Preparation of Bids:</b> The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format i.e BOQ_XXXX.<br>OR<br>Financial Bids to be submitted in Excel.<br><br>The Technical bid and the financial bid should be submitted Online. |
| 3.    | <b>EMD (if applicable):</b> As per NIT   |
| 4.    | <b>Refund of EMD :-</b> As per NIT   |
| 5.    | <b>Opening of the tender:</b> As per Tender Notice, NIT & IITD form 8  |
| 6.    | <b>Acceptance/ Rejection of bids:</b> The competent authority of IIT Delhi reserves the right to reject any or all offers without assigning any reason.  |
| 7.    | <b>Pre-qualification criteria:</b> - Mentioned in Tender notice  |
| 8.    | <b>Performance Security:-</b> Mentioned in Tender notice   |
| 9.    | <b>Force Majeure :-</b> As per IITD form 8   |
| 10.   | <b>Risk &amp; Cost Clause :</b> As per IITD form 8   |
| 11.   | <b>Delivery and Documents:</b> As per Tender Notice & NIT & IITD form 8  |
| 12.   | <b>Delayed delivery:</b> As per Tender Notice & NIT & IITD form 8  |
| 13.   | <b>Prices:</b> As per Tender Notice & NIT & IITD form 8  |
| 14.   | <b>Progress of Work :</b> As per Tender Notice & NIT & IITD form 8   |
| 15.   | <b>Inspection and Tests:</b> As per Tender Notice & NIT & IITD form 8  |
| 16.   | <b>Resolution of Disputes:</b> As per Tender Notice & NIT & IITD form 8  |
| 17.   | <b>Applicable Law:</b> As per Tender Notice & NIT & IITD form 8  |
| 18.   | <b>Supplier Integrity :</b> As per Tender Notice & NIT & IITD form 8   |
| 19.   | <b>Training :</b> As per Tender Notice & NIT & IITD form 8   |
| 20.   | <b>Installation &amp; Demonstration :</b> As per Tender Notice & NIT & IITD form 8   |

|     |  |
|-----|--|
|     |  |
| 21. | <b>Incidental services: As per Tender Notice &amp; NIT &amp; IITD form 8</b>       |
| 22. | <b>Defect liability Period : As per Tender Notice &amp; NIT &amp; IITD form 8</b>  |
| 23. | <b>Governing Language : As per Tender Notice &amp; NIT &amp; IITD form 8</b>       |
| 24. | <b>Applicable Law : As per Tender Notice &amp; NIT &amp; IITD form 8</b>           |
| 25. | <b>Notices : As per Tender Notice &amp; NIT &amp; IITD form 8</b>                  |
| 26. | <b>Taxes : As per Tender Notice &amp; NIT &amp; IITD form 8</b>                    |
| 27. | <b>Termination for Default : As per Tender Notice &amp; NIT &amp; IITD form 8</b>  |
| 28. | <b>Disputes and Jurisdiction: As per Tender Notice &amp; NIT &amp; IITD form 8</b> |
| 29. | <b>Completion certificate: As per Tender Notice &amp; NIT &amp; IITD form 8</b>    |

## COMPLIANCE SHEET

## TECHNICAL SPECIFICATION

| S.No. | Technical Bid Requirement As per Tender Notice & NIT & ITD form 8 | Compliance Y/N |
|-------|---|----------------|
| 1     | Firm registration   |                |
| 2     | GST Registration  |                |
| 3     | GST Return  |                |
| 4     | ESI & EPF   |                |
| 5     | Experience Certificate  |                |
| 6     | Undertaking   |                |
| 7     | Affidavit   |                |
| 8     | INTEGRITY PACT  |                |
| 9     | Annexure 1  |                |
| 10    | Annexure 2  |                |
| 11    | Annexure 3  |                |
| 12    | EMD   |                |
| 13    | Tender Fee  |                |
| 14    | FORM "F" (Duly filled with all required details)                  |                |
| 15    | BOQ   |                |

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization Name:** \_\_\_\_\_

**Contact No. :** \_\_\_\_\_

**<< Organization Letter Head >>  
DECLARATION SHEET**

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

This is certified that our organization has been registered as per Tender Notice & NIT & IITD form 8Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document.

|  |  |
|--|--|
| We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years. | NAME & ADDRESS OF THE Vendor/ Manufacturer / Agent |
| 1 Phone  | <b>As per Tender Notice &amp; NIT</b>              |
| 2 Fax  |  |
| 3 E-mail   |  |
| 4 Contact Person Name  |  |
| 5 Mobile Number  |  |
| 6 TIN Number   |  |
| 7 PAN Number   |  |
| (In case of on-line payment of Tender Fees)  |  |
| 8 UTR No. (For Tender Fee)   |  |
| (In case of on-line payment of EMD)  |  |
| 9 UTR No. (For EMD)  |  |

**(Signature of the Tenderer)**

**Name:**

**Seal of the Company**



List of Govt. Organization/Deptt.

| List of Government Organizations for whom the Bidder has undertaken such work As per Tender Notice & NIT & IITD form 8 |                        |             |
|--|------------------------|-------------|
| Name of the organization   | Name of Contact Person | Contact No. |
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As per Tender Notice & NIT

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization Name:** \_\_\_\_\_

**Contact No. :** \_\_\_\_\_

**Bid Submission****Online Bid Submission:**

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

| <b>Bid Document – 1</b><br>(Following documents to be provided as single PDF file) |                  |  |                   |
|--|------------------|--|-------------------|
| <b>Sl. No.</b>   | <b>Documents</b> | <b>Content</b>   | <b>File Types</b> |
| 1.   | Technical Bid    | Compliance Sheet as per Annexure – I   | .PDF              |
| 2.   |                  | Organization Declaration Sheet as per Annexure – II  | .PDF              |
| 3.   |                  | List of organizations/ clients where the same products have been supplied (in last two years) along with their contact number(s). (Annexure-III) | .PDF              |
| 4.   |                  | Technical supporting documents in support of all claims made at Annexure-I (Annexure-IV)   | .PDF              |
| <b>Bid Document – 2</b>  |                  |  |                   |
| <b>Sl. No.</b>   | <b>TYPES</b>     | <b>Content</b>   |                   |
| 1.   | Financial Bid    | Price bid should be submitted in Excel format.   | .EXCEL            |

## IITD-6 FOR e-TENDERING AND TERM & CONDITIONS

Item rate tenders are invited on behalf of Board of Governors from contractors/firms engaged in the field of civil construction work in appropriate category for the **work** as per tender notice.

1. The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
- 1.1 The work is estimated to cost **as per tender notice**. This estimate, however, is given merely as a rough guide.
- 1.2 Details of criteria for eligibility As Indicated in "INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE"
- 1.3 To become eligible for issue of tender, the tenderer shall have to furnish an affidavit as under:-

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in IITD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)

2. Agreement shall be drawn with the successful bidders on prescribed Form No. IITD - 8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **as per tender notice** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work shall be made available in parts as and when site will be available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from the web Site <http://eprocure.gov.in/eprocure/app> or [iitd.ac.in](http://iitd.ac.in) or [e-procure.gov](http://e-procure.gov) free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.
9. Earnest Money in the form of Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt (drawn in favour of Registrar IIT Delhi, HauzKhas, New Delhi) as specified of any Scheduled/ Nationalized Bank and shall be scanned & uploaded to the e-tendering website within the period of tender submission or through RTGS/ NEFT with UTR details and original should be deposited by lowest bidder within a week after the opening of financial bid in office of **Executive Engineer (CD-III), IIT Delhi, HauzKhas, New Delhi**

A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any scheduled bank which is to be scanned and uploaded by the intending bidders.

Interested contractor who wish to participate in the bid has also to make following payments in the form of Demand Draft/Pay order or Banker's Cheque of any Scheduled Bank and to be scanned and uploaded to the e-Tendering website within the period of bid submission:

(i) <http://eprocure.gov.in/eprocure/app>.

10. The bid submitted shall become invalid if:
  - (i) The bidders are found not eligible.
  - (ii) The bidders do not upload all the documents (including GST registration/ **other documents as per Tender Notice**) as stipulated in the bid document.
  - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically in the office of tender opening authority.

- (iv) The lowest bidder does not deposit physical EMD within a week of opening of tender.
11. The time & date of submission & opening of financial bid of contractors qualifying the **criteria as per Tender Notice** shall be communicated to them at a later date.
  12. The contractor whose bid is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered and accepted of the bided amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or irrevocable Bank Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
  13. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
  14. The competent authority on behalf of the Board of Governors does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
  15. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
  16. The competent authority on behalf of Board of Governors reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
  17. The contractor shall not be permitted to tender for works in the IITD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
  18. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as afore said before submission of the tender or engagement in the contractor's service.
  19. The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders, if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.
  20. This notice inviting Tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
    - a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
    - b) Standard IITD Form - 8 or other Standard IITD Form as mentioned.
  21. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid.

**Executive Engineer (CD-III)**  
**IIT Delhi, HauzKhas,**  
**New Delhi - 110016**

# Notice Inviting Tender



**INDIAN INSTITUTE OF TECHNOLOGY DELHI**  
**HAUZ KHAS, NEW DELHI**  
**(Works Department)**

|                                    |                |
|------------------------------------|----------------|
| <b>I.I.T.D – 6 FOR e-TENDERING</b> | <b>I.I.T.D</b> |
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**INDIAN INSTITUTE OF TECHNOLOGY  
HAUZ KHAS, NEW DELHI - 110016**

**NOTICE INVITING TENDER**

Item rate tenders are invited on behalf of The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 from approved and eligible contractors of **CPWD** and those of appropriate class of **M.E.S., BSNL and Railway** dealing with building and roads for the work of **Renovation of 72 Nos. (A-Type) Houses in block no- A-7, A-10, A-11 and A-17 in east campus at IIT Delhi. Sub head :- Civil and Electrical Work**

The enlistment of the contractors should be valid on the last date of submission of tenders.

In case only the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

1.1 The work is estimated to cost **Rs.3,09,72,240.00/-**This estimate, however, is given merely as a rough guide.

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

For composite bid, besides indicating the combined estimated cost put to tender, should clearly indicates the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.

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

**Criteria of eligibility for submission of bid documents.**

**1.2.1 Criteria of eligibility for CPWD as well as non-CPWD contractors.**

Three similar works each of value not less than 40% of estimated cost or two similar work each of value not less than 60% of estimated cost or one similar work of value not less than 80% of estimated cost (rounded to nearest Rs. 1000/-) in last 7 years ending last day of the month previous to the one in which the tenders are invited.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of receipt of application for tender.

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

2. Agreement shall be drawn with the successful bidders on prescribed Form No. I.I.T.D 7/8 which is available as I.I.T.D. Publication. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **as per Tender Notice** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work shall be made available in parts as and when site will be available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from the web Site **www.iitd.ac.in or e-procure.gov.in free of cost.**
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice / web notice shall be scanned and uploaded to the tender website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice / web notice shall have to be submitted by the lowest bidder in the office of tendering authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited tender online fees with and earnest money deposit and other documents scanned and uploaded are found in order.

The bid submitted shall become invalid & Tender fees shall not be refunded if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not upload all the documents (GSTIN Registration) as stipulated in the bid document.
- (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.

9. The contractor whose bid is accepted will be required to furnish **performance guarantee of 5% (Five Percent)** of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (in case guarantee amount is less than Rs.1,00,000/-) or Government Securities or Fixed

Deposit Receipts or irrevocable Bank Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

10. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
11. The competent authority on behalf of the Board of Governors does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
12. 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 to rejection.
13. The competent authority on behalf of Board of Governors reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
14. The contractor shall not be permitted to bid for works in the IITD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the IIT Delhi. Any breach of this condition by the contractor would render him liable to be debarred from bidding process in future in IIT Delhi.
15. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
16. The bid for the works shall remain open for acceptance for a period of **ninety (90) days** from the date of opening of financial bids, if any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the IIT Delhi shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the re-bidding process of the work.
17. This notice inviting bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-



**I.I.T.D – 6 FOR e-TENDERING****I.I.T.D**

- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard IITD Form –7/8 or other Standard IITD Form as mentioned.

**18.**In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the IIT Delhi shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in there-bidding process of the work.

|                                   |                |
|-----------------------------------|----------------|
| <b>INTEGRITY PACT e-TENDERING</b> | <b>I.I.T.D</b> |
|-----------------------------------|----------------|

To,

.....,

.....,

.....

**Subject:- NIT No. /IITD/EE(CD-III)/2019-2020 for the work of Renovation of 72 Nos (A-Type) Houses in block no- A-7, A-10, A-11 and A-17 in east campus at IIT Delhi. Sub head :- Civil and Electrical Work**

Dear Sir,

It is here by declared that I.I.T.D is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of 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 I.I.T.D.

Yours faithfully

**Executive Engineer (CD-III)**

|   |                |
|---|----------------|
| <b>Acceptance to execute integrity pact</b> | <b>I.I.T.D</b> |
|---|----------------|

(To be signed by bidder and upload the scanned copy)

To,  
**Executive Engineer (CD-III),**  
 IIT Delhi, Hauz Khas,  
 New Delhi – 110016.

**Subject:- Submission of Bid for the of Renovation of 72 Nos (A-Type) Houses in block no- A-7, A-10, A-11 and A-17 in east campus at IIT Delhi. Sub Head: - Civil and Electrical Work**

Dear Sir,

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

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

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by I.I.T.D. 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, I.I.T.D shall have unqualified, absolute and unfettered right to disqualify the tender / bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

**INTEGRITY PACT e-TENDERING**

**I.I.T.D**

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of I.I.T.D.

INTEGRITY AGREEMENT

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

**BETWEEN**

The Board of Governors, I.I.T. Delhi, HauzKhas, New Delhi - 16 represented through Executive Engineer (CD-III) IIT Delhi.

....., (Hereinafter referred as the(Address of Division) ‘**Principal/Owner**’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**AND**

.....  
(Name and Address of the Individual/firm/Company) through ..... (Hereinafter referred 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 (NIT No. ....) (Hereinafter referred to as ‘**Tender/Bid**’) and intends to award, under laid down organizational procedure, contract for .....  
(Name of work)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.

|                                   |                |
|-----------------------------------|----------------|
| <b>INTEGRATY PACT e-TENDERING</b> | <b>I.I.T.D</b> |
|-----------------------------------|----------------|

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

**Article 1: Commitment of the Principal/Owner**

- 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 execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - (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 execution.
  - (c) The Principal/Owner shall endeavor 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 Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
  - 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 or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - 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)/Contract(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.
  - e) 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 Government interests.**
  - 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

### **Article 3: Consequences of Breach**

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

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

|                                   |                |
|-----------------------------------|----------------|
| <b>INTEGRITY PACT e-TENDERING</b> | <b>I.I.T.D</b> |
|-----------------------------------|----------------|

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

**Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

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

**Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 09 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, I.I.T.D.

**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.
- 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.

|                                   |                |
|-----------------------------------|----------------|
| <b>INTEGRITY PACT e-TENDERING</b> | <b>I.I.T.D</b> |
|-----------------------------------|----------------|

- 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 intentions.
- 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 executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

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

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

WITNESSES:

- 1. ....  
(signature, name and address)
- 2. ....  
(signature, name and address)

Place:

Dated :



|                                  |                |
|----------------------------------|----------------|
| <b>I.I.T.D – 7/8 e-TENDERING</b> | <b>I.I.T.D</b> |
|----------------------------------|----------------|

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

Percentage Rate Tender/Item Rate Tender & Contract for Works

Tender for the work of: **Name of work:-Renovation of 72 Nos. (A-Type) Houses in block no- A-7, A-10, A-11 and A-17 in east campus at IIT Delhi. Sub Head :- Civil and Electrical Work**

(i) To be submitted by **as per tender notice** ..... to

.....

(ii) To be opened in presence of bidders who may be present at **as per tender notice** .....

in the office of **D.R. (Store)**

Issued to .....

Signature of officer issuing the documents .....

Designation .....

Date of Issue .....

**TENDER**

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

I/We hereby tender for the execution of the work specified for the The Board of Governors, I.I.T. Delhi, HauzKhas, New Delhi - 16 within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for ninety (90) days from the due date of its opening / ninety days from the date of opening of financial bid.

A sum of **as per tender notice** is hereby forwarded in Banker Cheque or Demand Draft or Fixed Deposit receipt of a schedule bank drawn in favour of IIT Delhias earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said The Board of Governors, I.I.T. Delhi, HauzKhas, New Delhi - 16 or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that The Board of Governors, I.I.T. Delhi, HauzKhas, New Delhi - 16 or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering process of the work.

**I.I.T.D – 7/8 e-TENDERING**

**I.I.T.D**

**I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in I.I.T.D in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.**

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

Dated:

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:



**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of The Board of Governors, I.I.T. Delhi, HauzKhas, New Delhi - 16 for a sum of (Rupees.....).

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

- (a)
- (b)
- (c)

For & on behalf of Board of Governors, IIT Delhi

Signature .....

Dated: Designation .....

**PROFORMA OF SCHEDULES**

**I.I.T.D**

**PROFORMA OF SCHEDULES**

(Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) (Operative Schedules to be supplied separately to each intending tenderer)

**SCHEDULE 'A'**

Schedule of quantities (enclosed)

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

| S.No.   | Description of item | Quantity | Rates in figures & words at which the material will be charged to the Contractor | Place of issue |
|---------|---------------------|----------|--|----------------|
| 1       |                     |          | 4  |                |
| ← Nil → |                     |          |  |                |

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor

| S.No.   | Description | Hire charges per day | Place of Issue |
|---------|-------------|----------------------|----------------|
| 1       |             |                      |                |
| ← Nil → |             |                      |                |

**SCHEDULE 'D'**

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

----- **Nil** -----

|                              |                |
|------------------------------|----------------|
| <b>PROFORMA OF SCHEDULES</b> | <b>I.I.T.D</b> |
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**SCHEDULE 'E'**

Reference to General Conditions of contract.

**Name of work:-Renovation of 72 Nos (A-Type) Houses in block no- A-7, A-10, A-11 and A-17 in east campus at IIT Delhi. Sub head :- Civil and Electrical Work**

- |                             |   |                             |
|-----------------------------|---|-----------------------------|
| (i) Estimated cost of work  | : | <b>Rs.3,09,72,240.00/-</b>  |
| (ii) Earnest Money          | : | <b>Rs. 6,19,445.00/-</b>    |
| (iii) Performance Guarantee | : | <b>5% of tendered value</b> |
| (iii) Security Deposit      | : | <b>5% of tendered value</b> |

**SCHEDULE 'F'****GENERAL RULES& DIRECTIONS : Officer inviting tender IITD/ Form – 7/8-2010**

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3: See below

Definitions:

- |         |  |   |
|---------|--|---|
| 2(v)    | Engineer-in-Charge   | <b>Executive Engineer</b>   |
| 2(viii) | Accepting Authority  | <b>Institute Engineer</b>   |
| 2(x)    | Percentage on cost of materials and Labour to cover all overheads and profits: | 15%   |
| 2(xi)   | Standard Schedule of Rates –   | Civil :- DSR 2016 with 12.75% cost Index, Elct. :- DSR 2018 and Market Rate |
| 2(xii)  | Department –   | <b>Works department at I.I.T Delhi</b>                                      |
| 9(ii)   | Standard I.I.T.D Contract Form up to date of submission of tender.             | GCC 2010, I.I.T.D Form 7/8-2010 modified & Corrected                        |

**Clause 1**

- |      |   |         |
|------|---|---------|
| (i)  | Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance                               | 15 days |
| (iv) | Maximum allowable extension with late fees @ 0.1% per day of performance guarantee amount beyond the period provided in (i) above |         |
|      | 1 to 15 days  |         |

**Clause 2****Authority for fixing compensation under cl:****Institute Engineer**

|                              |                |
|------------------------------|----------------|
| <b>PROFORMA OF SCHEDULES</b> | <b>I.I.T.D</b> |
|------------------------------|----------------|

**Clause 2A**

Whether Clause 2A shall be applicable

**No****Clause 5**

Number of days from the date of issue of letter of award for reckoning date of start

10 (Ten) days

Mile stone(s) as per table given below:-

| Sl. No. | Description of Milestone (Financial)  | Time allowed in days (from date of start) | Amount to be with-held in case of non-achievement of mile stone   |
|---------|---------------------------------------|---|---|
|         |                                       |   | In the event of not achieving the necessary progress as assessed from the running payment, 1% of the Tender value of work will be withheld for failure of each milestone. |
| 1       | 1/8 <sup>th</sup> (of the whole work) | 1/4 <sup>th</sup> (of the whole work)     |   |
| 2       | 3/8 <sup>th</sup> (of the whole work) | 1/2 <sup>th</sup> (of the whole work)     |   |
| 3       | 3/4 <sup>th</sup> (of the whole work) | 3/4 <sup>th</sup> (of the whole work)     |   |
| 4       | Full                                  | Full                                      |   |

Time allowed for execution of work

**As per tender notice.**

Authority to decide:

(i) Extension of time

**Institute Engineer.**

(ii) Rescheduling of mile stones

**Institute Engineer.****Clause 6, 6A**Clause applicable - (6 or 6A) ..... **Clause 6A**.....**Clause 7**

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

Rs. 25.00 Lakhs

**Clause 10A**

List of testing equipment to be provided by the contractor at site lab.

1..... 2. .... 3.....  
 4..... 5. **Nil** 6.....  
**Clause 10B(ii)**

Whether Clause 10 B (ii) shall be applicable **No**

**Clause 10C**

Component of labour expressed as percent of value of work = 25%

**Clause 10CA**

| S.N. | Material covered under this clause | Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed | Base Price of all Materials covered under clause 10 CA* |
|------|------------------------------------|---|---|
| 1    |                                    |   |   |
| 2    |                                    |   |   |
| 3    |                                    |   |   |
| 4    |                                    | <b>Nil</b>  |   |

\* Base price of all the materials covered under clause 10 CA is to be mentioned at the time of approved of NIT.

**Clause 10CC :- Not applicable in this NIT/Tender**

Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column **18 months**

Schedule of component of other Materials, Labour, POL etc. for price escalation.

Component of civil (except materials covered under clause 10CA) /Electrical construction Materials expressed as percent of total value of work. - **Xm** .....

Component of Labour - expressed as percent of total value of work. **Y**..... %

Component of P.O.L. - expressed as percent of total value of work. **Z**..... %

**Clause 11**

Specifications to be followed for execution of work **CPWD specifications 2009 Vol-1&2 with upto date correction slips & manufacturers specifications**

**Clause 12**

**Type of work -Maintenance works including works of up-gradation, aesthetic, special repair, addition/ alteration.**

**PROFORMA OF SCHEDULES**

**I.I.T.D**

- 12.2. & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work **30%**
- 12.5 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work **100%**

**Clause 16**

Competent Authority for deciding reduced rates. Institute **Engineer**

**Clause 18**

List of mandatory machinery, tools & plants to be deployed by the contractor at site:-

- 1. .... 2. .... 3. ....
- 4. .... 5. .... 6. ....
- 7. ----- **Nil** ----- 9. ....

**Clause 25**

|  |  |
|--|--|
| <b>Constitution of Dispute Redressal Committee (DRC)</b>     | <b>Competent Authority to appoint DRC</b>                |
| <del>DRC shall constitute one Chairman and two members</del> | <del>Director Indian Institute of Technology Delhi</del> |

**Clause 36 (i)**

Requirement of Technical Representative(s) and recovery Rate

| S. No. | Minimum Qualification of Technical Representative | Discipline         | Designation (Principal Technical/ Technical Representative) | Minimum Experience (Years) | Number     | Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i) |  |
|--------|---|--------------------|---|----------------------------|------------|---|--|
|        |   |                    |   |                            |            | Figures   | Words                                  |
| 1.     | Graduate Engineer Or Diploma Engineer             | Civil + Electrical | Project Manager Cum Planning/ quality/Site/billing Engineer | 2 or 5                     | 1+1 or 1+1 | <b>Rs.15,000.00 per month.</b>  | Rupees Fifteen Thousand only per month |

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.



|                              |                |
|------------------------------|----------------|
| <b>PROFORMA OF SCHEDULES</b> | <b>I.I.T.D</b> |
|------------------------------|----------------|

**Clause 42**

- (i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates **2016** printed by C.P.W.D.
- (ii) Variations permissible on theoretical quantities:
- (a) Cement
- For works with estimated cost put to tender not more than Rs. 5 lakh. 3% plus/minus.
- For works with estimated cost put to tender more than Rs.5 lakh. 2% plus/minus.
- (b) Bitumen All Works 2.5% plus only & nil on minus side.
- (c) Steel Reinforcement and structural steel sections for each diameter, section and category 2% plus/minus
- (d) All other materials. Nil

**RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION**

| S. No. | Description of Item                      | Rates in figures and words at which recovery shall be made from the Contractor |                                       |
|--------|--|--|---------------------------------------|
|        |  | Excess beyond permissible variation  | Less use beyond permissible variation |
| 1.     | Cement                                   | As per CPWD Specification 2009   |                                       |
| 2.     | Steel Reinforcement                      |  |                                       |
| 3.     | Structural Sections                      |  |                                       |
| 4.     | Bitumen issued free                      |  |                                       |
| 5.     | Bitumen issued at stipulated fixed Price |  |                                       |

**BANK GUARANTEE BOND****I.I.T.D****Form of Earnest Money Deposit  
Bank Guarantee Bond**

WHEREAS, contractor.....(Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of(name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we .....(name of bank) having our registered office at ..... (hereinafter called "the Bank") are bound unto .....  
(Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. .... (Rs. in words .....) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this .....day of ..... 20....  
THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
  - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;
  - OR
  - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,
  - OR
  - (c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor,
  - OR
  - (d) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of his first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date\* ..... after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE .....

WITNESS .....SEAL

SIGNATURE OF THE BANK

(SIGNATURE, NAME AND ADDRESS)

\*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

**LIST OF APPROVED MAKES FOR CIVIL & Electrical works****A-Civil Items**

| S. No. | Description   | Approved Makes  |
|--------|---|---|
| 1      | EEC Seat Covers   | HINDWARE/PARRYWARE/ CERA  |
| 2      | C.P Brass Fittings/ Accessories   | JAQUAR, MARC, KOHLAR  |
| 3      | Cement (Grey) OPC/ PPC Grade-43   | ACC/ L&T/ J.K./ BIRLA/ ULTRA TECH/ VIKRAM   |
| 4      | Cement (White)  | J.K./ BIRLA   |
| 5      | Reinforcement Steel   | PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURER HAVING VALID BIS LICENSE (TO BE AS PER LATEST BIS PROVISIONS) |
| 6      | Structural Steel  | PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURER HAVING VALID BIS LICENSE (TO BE AS PER LATEST BIS PROVISIONS) |
| 7      | Stainless Steel (Grade 304)   | JINDAL/ SAIL/ SALEM   |
| 8      | Bricks  | COMMERCIALLY AVAILABLE OR REQUIRED STRENGTH   |
| 9      | Aluminum Sections   | HINDALCO/ JINDAL/ MAHAVIR   |
| 10     | Flush Doors   | CENTURY/ MERINO/ DURO BOARD/ GREEN  |
| 11     | Laminates   | GREENLAM/ DURO/ ARCHID/ MERINO/ DECOLAM/ CENTURY  |
| 12     | Glass   | SAINT GOBIN/ MODI FLOAT/ ASAHI FLOAT  |
| 13     | Ceramic Glazed tiles/ Border tiles  | 1 <sup>ST</sup> QUALITY KAJARIA / NITCO/ JOHNSON/ ORIENT/ SOMANY  |
| 14     | Vitrified Tiles   | JOHNSON/ KAJARIA/ ORIENT/ SOMANY  |
| 15     | Interlocking precast paver blocks/ Kerb Stone                               | HINDUSTAN TILES/ SWASTIK/ DALAL   |
| 16     | Stainless Steel Hinges  | JOLLY/ GARG/ AMIT/ ASI/ SUPREME   |
| 17     | Stainless Steel Nutsbolts / Screws  | KUNDAN/ PUJA/ ATUL/ GKW   |
| 18     | Paint/ Primer/ Oil bound distemper/ Acrylic paint/ Plastic paint            | 1 <sup>ST</sup> QUALITY PAINTS OF ASIAN/ BERGER/ NEROLAC/ SHALIMAR/ DULUX   |
| 19     | Water Proof Cement Paint/ Exterior Paint                                    | 1 <sup>ST</sup> QUALITY PAINTS OF ASIAN/ BERGER/ NEROLAC/ SHALIMAR/ DULUX   |
| 20     | Sanitary ware (Vitreous China) (European Seats, Urinals, Wash Basins, etc.) | HINDWARE/ PARRYWARE/ CERA   |
| 21     | G.I. Pipes  | TATA/ JINDAL(HISSAR)/ BHUSHAN/ APL APPOLO/ TT SWASTIK   |
| 22     | G.I. Fittings   | UNIK/ ZOLOTO/ AM  |
| 23     | Stainless Steel Sink  | NEELKANTH/ JAINA/ KINGSTON (COBRA)/ PRAYAG  |
| 24     | Commercial Board/ Ply   | MERINO/ DURO/ GREEN/ CENTURY/ KIT (SWASTIK)   |
| 25     | CI Pipes/ Fittings & Manhole covers   | RIF/ NECO/ BENGAL IRON WORKS/ BC/ SKF   |
| 26     | CI Pipes "Class LA"   | NICO/ KESORAM/ ELECTRO STEEL/ KAPILANSH   |
| 27     | Floor Spring  | DOORKING/ EVERITE/ SANDHU   |
| 28     | Door Closer   | EVERITE/ SANDHU/ HARDWIN  |
| 29     | Mirror  | ATUL/ MODIGUARD/ SAINT GOBAIN/ AASHI  |
| 30     | Vertical Blinds   | VISTA/ MAC/ MARVEL DÉCOR/ SAINT GOBAIN  |
| 31     | False Ceiling   | ARMSTROBG/ SAINT GOBAIN/ META WORTH   |
| 32     | Water Proofing Compound   | CICO/ FOSROC/ PIDILITE/ ECMAS/ ASIAN  |
| 33     | Polymer Compound  | CICO/ PIDILITE/ FOSROC/ ECMAS/ ASIAN  |
| 34     | Particle Board  | NOVA PAN/ BHUTAN BOARD/ ECO BOARD   |
| 35     | Rust Remover/ Anticorrosive   | FOSROC/ CICO/ PIDILITE/ ECMAS/ ASIAN  |
| 36     | Adhesive  | FEVICOL/ VAMICOL/ DUNLOP/ VAM ORGANIC   |
| 37     | Tile Adhesive   | PIDILITE/ FERROUSCRETE/ BALLNDURA/ CICO   |
| 38     | Epoxy Grout   | BALLENDURA/ KERAKOLL/ FERROUSCRETE  |
| 40     | PVC Water storage tank (ISI marked)   | SINTEC/ UNI PLAST/ POLYWELL   |
| 41     | PVC insulated water storage tank Heavy duty 4/5 layer                       | SINTEX/ UNI PLAST/ POLYWELL/ EURO   |
| 42     | Brass Ball Valve/ Gate Valve/ Float Valve                                   | ZOLOTO/ AM/ LEADER/ SANT  |

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| 43 | Aluminum Door Fittings  | CLASSIC/ EVEREST/ ARGENT  |
| 44 | Brass Bib/ Stop Cock  | AGI/ ELITE/ SHAKTI/ SANT/ LEADER/ PRIMA                                       |
| 45 | Thermoplastic Paint   | CBM/ CMS/ S.N. INDUSTRIES   |
| 46 | Plaster of Paris Putty  | ADHARSHREE/ SHREE RAM/ J.K./ BIRLA  |
| 47 | RCC Pipe  | LAKSHMI/ SOOD & SOOD/ JAIN & CO. / DIWAN SPUN PIPES                           |
| 48 | PVC Pipe  | PRAKASH/ PRINCE/ SUPREME  |
|    | <b>ELECTRICAL WORK</b>  |   |
| 49 | MCB/ Distribution Board   | HAVELLS/ CROMPTON/ L&T/ LEGRAND   |
| 50 | MCCB  | L&T/ CROMPTON/ HAVELLS/ LEGRAND   |
| 51 | Electronic Fan Regulator  | GM/ NORTH WEST/ HAVELLS/ POLYCAB/ MDS/ LEGRAND                                |
| 52 | FRLS Copper Conductor PVC Insulated wires                       | KEI/ POLYCAB/ FINOLEX/ HAVELLS  |
| 53 | LED Light & Fittings  | CROMPTON/ OSRAM/ HAVELLS/ C&S   |
| 54 | MS Conduit  | ISI MARKED  |
| 55 | Modular type 5A Switch, Socket & 15A Switch, Socket/ Switch Box | HAVELLS CRABTREE/ L&T/ MDS/ WIPRO NORTH WEST/ GM/ POLYCAB/ SCHNEIDER/ LEGRAND |
| 56 | Industrial type socket  | HAVELLS/ CROMPTON/ L&T/ LEGRAND   |
| 57 | Ceiling Fans (all size)   | HAVELLS/ ATOMBERG/ BAJAJ/ USHA/ ORIENT  |
| 58 | Exhaust fans/ Fresh Air Fan (All Size)                          | HAVELLS/ ATOMBERG/ BAJAJ/ ORIENT  |
| 59 | G.I. Box  | HAVELLS/ MK/ NORTHWEST/ LEGRAND   |
| 60 | ELCB  | HAVELLS/ MDS/ STANDARD/ GE POWER CONTROL                                      |

**IND INDIAN INSTITUTE OF TECHNOLOGY: NEW DELHI**  
**HAUZ KHAS: NEW DELHI**  
**ADDITIONAL CONDITIONS**

1. Non Judicial stamp paper worth Rs. 10/- (Ten Rupees only) will be submitted by contractor which will have to be signed as token of acceptance.
2. No T & P would be supplied by the Institute and contractor will have to make his own arrangement.
3. The contractors are advised to get acquainted with the proposed work including specifications & its site and additional conditions carefully before quoting. No claim of any sort shall be entertained or account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of site.
4. The work shall be carried out as per CPWD specifications for civil and electrical work with up – to date correction slips unless otherwise specified in the nomenclature of individual item or in the specification, additional conditions where specifications are silent, the decision of Engineer-in-Charge shall be final and binding on contractor.
5. The rates quoted by the contractor shall be taken as net and nothing extra shall be paid on any account i.e Royalty, Cartage, GST & stacking of material required at places etc. The rates for different items of work shall apply for Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement.
6. Any damage done by the contractor to any existing item / any part of the building during the course of execution of work shall be made good by at his own cost.
7. Articles manufactured by the reputed firms and approved make list in tender.
8. The sample of material required in the work brought at site shall be got approved from Engineer –in-Charge before use in execution of work.
9. The sample of material required for Testing shall be provided at free of cost by the contractor. Testing charges if any shall be borne by the IITD if satisfactory report and if test results are unsatisfactory than testing charges shall be deducted from bills of contractor. All other expenditure to be incurred for taking sample, conveyance, packing etc. shall be borne by the contractor.
10. The contractor shall submit a detailed program of work within 7 days of the date of award of work. The Engineer – in- Charge can modify the program and the contractors have to work accordingly.
11. The contractor shall make his own arrangement for getting the permission with respect to trucks from the Traffic Police.
12. No payment shall be made to contractor for any damage caused by the rain, snowfall or any other natural causes what so ever during the execution of work.
13. Some restrictions may be imposed by the security staff of IIT Delhi etc. on the working and or movement of labour& material. **No labour camp/ huts shall be allowed in IIT Campus. The contractor shall make his own arrangement for labour huts outside the campus.** However constructions of cement godown and Chowkidar’s hut in the Campus shall be permitted. The contractor shall be bound to follow all such restrictions/ instructions and nothing shall be payable on this account.
14. The contractor shall be fully responsible for the safe custody of the material issued or brought at site by him for doing the work.
15. The Ma lba / Garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed off by the contractor to the approved dumping site of MCD and all statutory approvals from local bodies shall be a sole responsibility of contractor.
16. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment’s left out of his work & dress the site around the building to the complete satisfaction of the Engineer-in-Charge before the work is treated as completed.
17. Contractor has to quote against the item of schedule of credit of material. The contractor cannot quote either minus rate or Zero rate for these items.
18. Income tax and other taxes as applicable shall be deducted from the bills of contractor.
19. 1% labour cess or as applicable will be deducted from the bills of contractor.
20. Water charges @1% and Electricity charges @0.50% of gross work done shall be deducted from bills of contractor if electricity and water provided by IIT Delhi.

21. Agency has to take proper safety measures during the execution of work.
- 22. GCC for 7/8 shall form part of NIT and the bidder shall go through GCC before quoting rates and the same shall be deemed to be accepted by bidder if he participates in the tender.**
23. ESI & EPF shall be reimbursed as per norms on production of original receipt of ESI & EPF from contractor specific to this work. .
24. The contractor shall submit the program of execution of work as per clause 5 of GCC of IIT form 7/8 of NIT including list of workers to be deployed by contractor for this work.
25. Contractor shall be responsible for keeping site free of any kind of mosquito breeding. If it is found that breeding is taking place the entire responsibility shall be of contractor to bear challan etc. done by local bodies.
26. Work shall be executed as per the Architectural drawings and instructions of retainer Architect or his representatives. The Architectural drawing and instruction of Architect shall be strictly adhered.
27. GST shall considered as inclusive in quoted rate of agency.
28. Electrical work will be executed only through the agency who is having valid electrical license and the copy of valid electrical license will be submitted before start of work.

**INDIAN INSTITUTE OF TECHNOLOGY: NEW DELHI  
HAUZ KHAS: NEW DELHI**

**SPECIAL TERM & CONDITON REGARDING WATER PROOFING GUARANTEE.**

Five years guarantee bond in prescribed performa attached at annexure II herewith shall be submitted by the contractor which shall also be signed by the contractor to meet their liability/ liabilities under the guarantee bond. The sole responsibility about efficiency of water proofing treatment shall rest with the contractor.

A separate amount @ 10% of the cost of water proofing work shall be retained as a security for the performance of water proofing work. This withheld amount shall be released Five years after the expiry of maintenance period, if the performance of the work done is found satisfactory. If any defect is noticed during the guarantee period, it shall be rectified by the contractor within 7 days of receipt of intimation of defect in the water proofing work. If the defects pointed out not attended within the specified period, the same will be got done from other agency at the risk & cost contractor

This amount shall be in addition to the security deposit mentioned elsewhere in contract form.

The amount with held may be released in full of against bank Guarantee of equivalent amount in favour of Engineer-in-charge of prescribed period is mentioned above.

**WATER PROOFING GURANTEE BOND.**

THE AGREEMENT made this .... day of ..... Two thousands..... between..... son of .....(hereinafter called the Guarantor of the one part) and the B.O.G IIT Delhi (hereinafter called the Government of the other part).

WHEREAS THIS agreement is supplementary to the contract (hereinafter called the Contract) Dated..... and made between the Guarantor of the one part and Government of the other part, whereby the Contractor, inter alia, undertook to render the buildings and structures in the said Contractor recited, completely water and leak-proof.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said structure will remain water and leak-proof for Five years from expiry of maintenance period.

PROVIDED THAT THE GUARANTOR will not be responsible for leakage caused by earthquake or structural defects or misuse of roof or alteration and for such purpose.

- a) Misuse of roof shall mean any operation which will damage proofing treatment, like chopping of firewood and things of the same nature which might cause damage to the roof.
- b) Alteration shall mean construction of an additional storey or a part of the roof of construction adjoining to existing roof whereby proofing treatment is removed in parts;
- c) The decision of the Engineer-in-Charge with regard to cause of leakage shall be final.

DURING THIS PERIOD of guarantee the Guarantor shall make good all defects and in case of may defect being found he shall render the building water-proof to the satisfaction of the Engineer-in-charge at his cost and shall commence the works of such rectification within seven days from date of issuing notice from the Engineer-in-charge calling upon him to rectify the defects, failing which the work will be got done by the Department by some other Contractor at the Guarantor's cost and risk. The decision of the Engineer-in-charge as to the cost, payable by the Guarantor shall be final and binding.

THAT IF THE GUARANTOR fail to execute the water proofing or commits breaches hereunder then the Guarantor will indemnify the Principal and his successors against all loss, damage, cost, expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplemental agreement. As to the amount of loss and/or damage and/or cost incurred by the Government, the decision of the Engineer-in-charge will be final and binding on the parties.

IN WITNESS whereof these present have been executed by the Obligor .....and by .....), IIT Delhi and for and on behalf of the **B.O.G. IIT Delhi** on the day, month and year first above written.

Signed, sealed and delivered by OBLIGOR in the presence of-

- 1.
- 2.

Signed for and on behalf of B.O.G. IIT Delhi by ..... in the presence of.

- 1.

**Executive Engineer (CD-III)**  
**For & on behalf of the Board of Governors, IIT Delhi**



**IITD -2010 CORRECTION SLIPS**  
**In general condition of contract for IIT Delhi works department 2010**

|  | Existing  | Modified   |
|--|---|--|
| <b>Reference</b>                                       | <b>Existing Provision</b>   | <b>Modified Provision</b>  |
| Clause 3 (vii)   | If the contractor shall obtain a contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering.  | If the contractor had secured the contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering <b>or commits breach of Integrity Agreement.</b>  |
| <b>Reference</b>                                       | <b>Existing Provision</b>   | <b>Modified Provision</b>  |
| <b><u>Deviations /variation extent and pricing</u></b> | <p><b><u>CLAUSE 12</u></b><br/>           The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main works except as hereafter provided.</p> | <p><b><u>CLAUSE 12</u></b><br/>           The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main works except as hereafter provided.<br/> <b>The completion cost of any agreement for Maintenance works including works of upgradation, aesthetic, special repair, addition/ alteration shall not exceed 1.25 times of Tendered amount.</b></p> |
| <b><u>Deviations /Extra items, pricing</u></b>         | <p>12.2 In the case of extra items (items that are completely new and are in addition to the items contained in the contract), the contractor may within 15 days of receipt of order or occurrence of the item(s) claim rate, supported by proper analysis, for the work and the Engineer-in-charge shall within one month of the receipt of the claims supported by analysis after giving considerations to the analysis of the rates submitted by the contractor, determined the rates on basis of market rates and the contractor shall be paid in accordance with the rates so determined.</p>  | <p><b>12.2 A. For Project and original works:</b><br/>           In the case of extra items (items that are completely new and are in addition to the items contained in the contract), the contractor may within 15 days of receipt of order or occurrence of the item(s) claim rate, supported by proper analysis, for the work and the Engineer-in-charge shall within one month of the receipt of the claims supported by analysis after giving considerations to the analysis of the rates submitted by the contractor, determined the rates on basis of market rates and the contractor shall be paid in accordance with the rates so determined.<br/> <b>B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration:</b><br/> <b>In the case of Extra Item(s) being the schedule items (Delhi Schedule of Rates items), these shall be paid as per the</b></p>  |

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|   |   | <p><b>schedule rate plush cost index (at the time of tender) plus/minus percentage above below quoted contract amount.</b></p> <p><b>Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate.</b></p>   |
| <p><b><u>Deviations, Substituted items, pricing</u></b></p>   | <p>In the case of substituted items (items that are taken up with partial substitution or lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following Para.</p> <p>(a) If The market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted).</p> <p>(b) If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted)</p> | <p><b>A. For Project and original works:</b></p> <p>In the case of substituted items (items that are taken up with partial substitution or lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following Para.</p> <p>(a) If The market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted).</p> <p>(b) If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted)</p> <p><b>B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration:</b></p> <p><b>In the case of Substitute Item(s) being the schedule items (Delhi Schedule of Rates items), these shall be paid as per the schedule rate plush cost index (at the time of tender) plus/minus percentage above below quoted contract amount.</b></p> <p><b>Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate.</b></p> |
| <p><b><u>Deviations, Deviated Quantities, pricing</u></b></p> | <p>In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in schedule F, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Engineer-in-Charge shall within one month of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.</p>  | <p><b>A. For Project and original works:</b></p> <p>In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in schedule F, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Engineer-in-Charge shall within one month of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market</p>   |

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|  |   | <p>rates and the contractor shall be paid in accordance with the rates so determined.</p> <p><b>B. For Maintenance including works of upgradation, aesthetic, special repair,</b></p> <p><b>addition/ alteration:</b><br/> <b>In the case of contract items, which exceed the limit laid down in schedule F, the contractor shall be paid rates specified in the schedule of quantities.</b></p>   |
|  | <p>12.3 The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work excess of the limits laid down in Schedule F, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.</p>  | <p>12.3 <b>A. For Project and original works:</b>The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work excess of the limits laid down in Schedule F, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.</p> <p><b>B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration:</b><br/> In the case of decrease in the rates <b>Prevailing in the market</b> of items for the the work excess of the limits laid down in Schedule F, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.</p> |
|  | <p><b>14.</b>The Tender of the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders / ninety days from the date of opening of financial bid in case Tenders are invited on 2/3 envelope system (strike out as case may be) if any Tenderer withdraws his tender before the said period or issue of letter of acceptance of acceptance, whichever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable to th department, then the Government shall, without prejudice to any other right or remedy, if the said earnest money as aforesaid, Further the tenderer shall not be allowed to participate in the retendering process of the work.</p> | <p><b>CPWD-6</b><br/> <b>14.</b>The Tender of the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders / <b>Ninety days from the date of opening of Technical bid in case Tenders are invited on 2 envelope system / 120 days from the date of opening of Technical bids bids in case tenders are invited for specialized works on 3 envelope system</b> (strike out as case may be) if any Tenderer withdraws his tender before the said period or issue of letter of acceptance of acceptance, whichever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, if the said earnest money as aforesaid, Further the tenderer shall not be allowed to participate in the retendering process of the work.</p>   |
|  | <p><b>11.</b> The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case</p>   | <p><b>11.</b> The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount within the period specified in Schedule F. This guarantee</p>  |

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|  | <p>guarantee amount is less than Rs. 10000/-) or Deposit at call receipt of any scheduled bank /Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/ Pay Order of any Scheduled Bank of any Scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.</p> | <p>shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at call receipt of any scheduled bank /Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/ Pay Order of any Scheduled Bank of any Scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.</p> <p><b>The Contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board and Programme Chart (Time and Progress) Within the period specified in schedule in Schedule F.</b></p> |
|  | No Provision   | <p><b>No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, Whatever applicable are submitted by the contractor to the Engineer-in-Charge.</b></p>   |
|  | <p>The contractor shall obtain a valid license under the Contract Labour (R&amp;A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until completion of the work.</p>  | <p>The contractor shall obtain a valid license under the Contract Labour (R&amp;A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until completion of the work.</p> <p><b>The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.</b></p>   |
|  | <p>(i)Time allowed for submission of performance Guarantee from the date of issue of letter of acceptance.....days.</p>  | <p>(i)Time allowed for submission of performance Guarantee , <b>Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, 'ESIC and BOCW Wefare Board or proof of applying thereof</b> from the date of issue of letter of acceptance.....days.</p>   |
|  | No Provision   | <p><b>Whether Clause 7A Shall be Applicable</b><br/>Yes</p>   |

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|--|---|--|
|  | <p><b>15.</b> Sales-tax/VAT (except service tax), purchase tax, turnover tax any other tax applicable in respect of this contract shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of service tax same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the engineer-in-charge after satisfying that it has been actually and genuinely paid by the contractor.</p>  | <p><b>15.</b> GST or any other tax applicable in respect of <b>input procured by the contractor for</b> this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same, However, <b>component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including, extension if any.</b></p>   |
|  | <p><b>CLAUSE 37</b></p> <p>(i) Sales Tax. Vat (except Service Tax), Building and other Construction Workers Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect. However, in respect of service tax. same shall be paid the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-i-charge after satisfying that it has been actually and genuinely paid by the contractor.</p>  | <p><b>CLAUSE- 37</b></p> <p>(i) <b>GST</b>, Building and other construction workers <b>welfare</b> Cess or any other tax, <b>Levy</b> or cess in respect of <b>input for or output by</b> this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect <b>except as provided under clause 38.</b></p>  |
|  | <p><b>CLAUSE-38</b></p> <p>(i) All tendered rates, shall be inclusive of all taxes and levies (except Service Tax) payable under respective statutes. However, if any further tax or levy or cess is imposed by the statute. after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/levies/cess, the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Superintending Engineer whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.</p> | <p><b>CLAUSE-38</b></p> <p>(i) <b>All tendered rates shall be inclusive of any tax, levy or cess applicable on last stipulated date of receipt of tender including extension if any. No adjustment i.e, increase or decrease shall be made for any variation in the rate of GST, Building and Other Construction Workers Welfare Cess or any tax, levy or cess applicable on inputs. However, effect of variation in rates of GST or Building and Other Construction workers welfare Cess or imposition or repeal of any other tax, levy or cess applicable on output of the works contract shall be adjusted on either side, increase or decrease. Provided for Building and other Construction Workers Welfare Cess or any tax (other than GST), levy or cess varied or imposed after the last date of receipt of tender including extension if any, any increase shall be reimbursed to the contractor only if the contractor necessarily and properly pays such increased amount of taxes/levies/cess. Provided further that such adjustment including GST shall not be made in the extended period of contract for which the contractor alone in responsible for delay as determined by authority for extension of time under Clause 5 in Schedule F.</b></p> |

## BID SUBMISSION

### ONLINE BID SUBMISSION

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

| <b>Envelope – 1</b><br>(Following documents to be provided as single PDF file) |               |   |            |
|--|---------------|---|------------|
| Sl. No.  | Documents     | Content   | File Types |
| 1.   | Technical Bid | Scanned copy /Online Payment of EMD   | .PDF       |
| 2.   |               | Enlistment order of contractor.   | .PDF       |
| 3.   |               | Attested certificate of work experience.  | .PDF       |
| 4.   |               | Certificate of Registration of GST and acknowledgment of up to date field return of GST.                | .PDF       |
| 5.   |               | Affidavit as per Notice Inviting Tender condition 1.3 of page 19 of NIT to be submitted on stamp paper. | .PDF       |
| 6.   |               | Acceptance to execute INTEGRITY PACT.   | .PDF       |
| 7.   |               | Undertaking as per tender notice on firm's letter head if the scan copy of EMD uploaded.                | .PDF       |
| 8.   |               | ESI and EPF Registration.   | PDF        |
| 9.   |               | FORM "F" (Duly filled with all required details   | .PDF       |
| 10.  |               | Proof of tender fees  | .PDF       |
| 11   |               | Any other documents specified in NIT  | PDF        |
| <b>Envelope – 2</b>  |               |   |            |
| Sl. No.  | TYPES         | Content   |            |
| 1.   | Financial Bid | Price bid should be submitted in BOQ format.  | .Xls       |

All above documents shall be as per Tender Notice.

**SCHEDULE OF QUANTITY**

**Name of work:- Renovation of 72 Nos (A-Type) Houses in block no- A-7, A-10, A-11 and A-17 in east campus at IIT Delhi.**

**Sub head :- Civil and Electrical Work**

| Sr.No | Description   |       | Unit  | Rate | Amount |
|-------|---|-------|-------|------|--------|
| 1.1.1 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.   |       |       |      |        |
| 1.1.1 | All kinds of soil.  | 25.00 | cum   |      |        |
| 1.2   | Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : |       |       |      |        |
| 1.2.1 | All kinds of soil   |       |       |      |        |
| 1.3   | Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  | 16.00 | metre |      |        |
| 1.4   | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.   | 11.00 | cum   |      |        |
| 2.1   | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :  |       |       |      |        |
| 2.1.1 | 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)  | 26.00 | cum   |      |        |
| 2.2   | 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)  | 77.00 | cum   |      |        |
| 2.3   | Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).   | 6.00  | Sqm   |      |        |
| 2.4   | Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally  | 6.00  | sqm   |      |        |

|       |   |         |     |  |  |
|-------|---|---------|-----|--|--|
|       | with a piece of cloth lightly soaked in kerosene oil.   |         |     |  |  |
| 2.5   | Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.   | 214.50  | Sqm |  |  |
| 3.1   | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size). | 16.00   | Cum |  |  |
| 3.2   | Centering and shuttering including strutting, propping etc. and removal of form for:  |         |     |  |  |
| 3.2.1 | Shelves (Cast in situ)  | 138.00  | Sqm |  |  |
| 3.2.2 | Lintels, beams, plinth beams, girders, bressumers and cantilevers   | 15.00   | Sqm |  |  |
| 3.3   | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.   |         |     |  |  |
| 3.3.1 | Thermo-Mechanically Treated bars  | 2573.00 | Kg  |  |  |
| 4.1   | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:   |         |     |  |  |
| 4.1.1 | Cement mortar 1:6 (1 cement : 6 coarse sand)  | 17.00   | Cum |  |  |
| 4.2   | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :  |         |     |  |  |
| 4.2.1 | Cement mortar 1:6 (1 cement : 6 coarse sand)  | 58.00   | Cum |  |  |
| 4.3   | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.  |         |     |  |  |
| 4.3.1 | Cement mortar 1:4 (1 cement :4 coarse sand)   | 307.00  | Sqm |  |  |
| 4.4   | Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.   | 263.00  | Sqm |  |  |



|       |  |         |       |  |  |
|-------|--|---------|-------|--|--|
| 5.1   | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. |         |       |  |  |
| 5.1.1 | Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble   |         |       |  |  |
| 5.1.2 | Area of slab upto 0.50 sqm   | 67.00   | Sqm   |  |  |
| 5.2   | Area of slab over 0.50 sqm   | 142.00  | Sqm   |  |  |
| 5.3   | Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.  | 136.00  | metre |  |  |
| 5.4   | Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.  | 48.00   | Each  |  |  |
| 6.1   | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia& length ( hold fast lugs or dash fastener shall be paid for separately).   |         |       |  |  |
| 6.1.1 | Second class teak wood   | 1.61    | Cum   |  |  |
| 6.2   | Deduct for not providing hinges in doors, windows or clerestory window shutters with :   |         |       |  |  |
| 6.2.1 | Stainless steel butt hinges with stainless steel screws :  |         |       |  |  |
| 6.2.2 | For 2nd class teak wood and other class of wood shutters   | -274.00 | Sqm   |  |  |
| 6.3   | Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:   |         |       |  |  |
| 6.3.1 | 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws   | 617.00  | Sqm   |  |  |
| 6.4   | Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :  |         |       |  |  |
| 6.4.1 | 20 mm dia (heavy type)   | 75.00   | metre |  |  |

|        |  |         |      |  |  |
|--------|--|---------|------|--|--|
| 6.5    | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.  |         |      |  |  |
| 6.5.1  | Fixed to openings /wooden frames with rawl plugs screws etc.   | 1383.00 | Kg   |  |  |
| 6.6    | Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :  |         |      |  |  |
| 6.6.1  | 250x16 mm  | 96.00   | Each |  |  |
| 6.7    | Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.  |         |      |  |  |
| 6.7.1  | Size 65 mm   | 122.00  | Each |  |  |
| 6.8    | Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.  | 48.00   | Each |  |  |
| 6.9    | Providing and fixing chromium plated brass handles with necessary screws etc. complete:  |         |      |  |  |
| 6.9.1  | 100 mm   | 1352.00 | Each |  |  |
| 6.10   | Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :          |         |      |  |  |
| 6.10.1 | 250x16 mm  | 292.00  | Each |  |  |
| 6.11   | Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :               |         |      |  |  |
| 6.11.1 | 200x10 mm  | 588.00  | Each |  |  |
| 6.11.2 | 150x10 mm  | 376.00  | Each |  |  |
| 6.12   | Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :                    |         |      |  |  |
| 6.12.1 | 125 mm   | 648.00  | Each |  |  |
| 6.13   | Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. |         |      |  |  |
| 6.13.1 | Twin rubber stopper  | 192.00  | Each |  |  |
| 6.14   | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.  |         |      |  |  |
| 6.14.1 | Double strip (horizontal type)   | 1038.00 | Each |  |  |

|       |   |          |         |  |  |
|-------|---|----------|---------|--|--|
| 6.15  | Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.   | 48.00    | one set |  |  |
| 7.1   | Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  |          |         |  |  |
| 7.1.1 | Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)  | 3054.00  | Kg      |  |  |
| 7.2   | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.  |          |         |  |  |
| 7.2.1 | In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works   | 20905.00 | Kg      |  |  |
| 7.3   | Providing and fixing carbon steel galvanised ( minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm <sup>2</sup> ), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.  |          |         |  |  |
| 7.3.1 | 10 x 80 mm  | 186.00   | Each    |  |  |
| 8.1   | Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. | 2291.00  | Sqm     |  |  |
| 8.2   | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.   | 2205.00  | Sqm     |  |  |
| 8.3   | Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.   | -1756.00 | Sqm     |  |  |

|        |   |         |      |  |  |
|--------|---|---------|------|--|--|
| 8.4    | Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.  | 1756.00 | Sqm  |  |  |
| 9.1    | Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :  |         |      |  |  |
| 9.1.1  | In 75x75 mm deep chase  | 376.00  | Mtr. |  |  |
| 9.2    | Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be op |         |      |  |  |
| 9.2.1  | 2 mm thick flat   | 15.00   | Sqm. |  |  |
| 10.1   | 12 mm cement plaster of mix :   |         |      |  |  |
| 10.1.1 | 1:4 (1 cement: 4 fine sand)   | 292.00  | Sqm  |  |  |
| 10.2   | 15 mm cement plaster on the rough side of single or half brick wall of mix :  |         |      |  |  |
| 10.2.1 | 1:4 (1 cement: 4 fine sand)   | 384.00  | Sqm  |  |  |
| 10.3   | 20 mm cement plaster of mix :   |         |      |  |  |
| 10.3.1 | 1:4 (1 cement: 4 coarse sand)   | 128.00  | Sqm. |  |  |
| 10.4   | 12 mm cement plaster finished with a floating coat of neat cement of mix :  |         |      |  |  |
| 10.4.1 | 1:4 (1 cement: 4 fine sand)   | 822.00  | Sqm  |  |  |
| 10.5   | 6 mm cement plaster of mix :  |         |      |  |  |
| 10.5.1 | 1:3 (1 cement : 3 fine sand)  | 130.00  | Sqm  |  |  |
| 10.6   | Pointing on tile brick work with cement mortar 1:3 (1 cement : 3 fine sand):  |         |      |  |  |
| 10.6.1 | Flush/ Ruled/ Struck or weathered pointing  | 155.00  | Sqm  |  |  |
| 10.7   | Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.   |         |      |  |  |
| 10.7.1 | Two or more coats on new work   | 6549.00 | Sqm  |  |  |
| 10.8   | Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :  |         |      |  |  |
| 10.8.1 | Water thinnable cement primer   | 6632.00 | Sqm  |  |  |
| 10.9   | Applying priming coat:  |         |      |  |  |

|         |   |         |     |  |  |
|---------|---|---------|-----|--|--|
| 10.9.1  | With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)  | 5375.00 | Sqm |  |  |
| 10.10   | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :  |         |     |  |  |
| 10.10.1 | Two or more coats on new work   | 6021.00 | Sqm |  |  |
| 10.11   | 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.   | 8254.00 | Sqm |  |  |
| 11.1    | Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead :  |         |     |  |  |
| 11.1.1  | With cement mortar 1:4 (1 cement : 4 fine sand)   | 921.00  | Sqm |  |  |
| 11.2    | Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:  |         |     |  |  |
| 11.2.1  | Float glass panes of thickness 4 mm   | 27.00   | Sqm |  |  |
| 11.3    | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.  | 4607.00 | Sqm |  |  |
| 11.4    | Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done. | 1246.00 | Sqm |  |  |

|        |   |         |       |  |  |
|--------|---|---------|-------|--|--|
| 11.5   | Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge. | 72.00   | Each  |  |  |
| 11.6   | Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/cmalba all complete as per directions of Engineer-in-Charge.   | 144.00  | Each  |  |  |
| 11.7   | Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge  | 2144.00 | sqm.  |  |  |
| 11.8   | Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes within 50 metres lead as per direction of Engineer- in-Charge. (a) Internal Work - Exposed on wall                           | 912.00  | Mtr.  |  |  |
| 12.1   | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.  |         |       |  |  |
| 12.1.1 | Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)  | 47.00   | Cum   |  |  |
| 12.2   | Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)  | 53.00   | Cum   |  |  |
| 12.3   | Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.            | 22.50   | Cum   |  |  |
| 12.4   | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.      |         |       |  |  |
| 12.4.1 | In cement mortar  | 57.50   | Cum   |  |  |
| 12.5   | Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :                                   |         |       |  |  |
| 12.5.1 | Of area 3 sq. metres and below  | 696.00  | Each  |  |  |
| 12.6   | Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :   |         |       |  |  |
| 12.6.1 | Of area 3 sq. metres and below  | 168.00  | Each  |  |  |
| 12.7   | Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :   |         |       |  |  |
| 12.7.1 | 75 to 80 mm dia pipe  | 153.00  | metre |  |  |
| 12.7.2 | 100 mm dia pipe   | 264.00  | metre |  |  |
| 12.8   | Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.                | 72.00   | Each  |  |  |

|        |   |         |      |  |  |
|--------|---|---------|------|--|--|
| 12.9   | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.   | 2243.00 | Sqm  |  |  |
| 12.10  | 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.  | 650.00  | Cum  |  |  |
| 13.1   | Supplying at site   |         |      |  |  |
| 13.1.1 | Welded steel wire fabric of required width having rectangular mesh painted with two or more coats of enamel paint of approved shade over a coat of primer (Priming & Painting to be paid for separately).   | 1353.00 | Kg   |  |  |
| 14.1   | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : |         |      |  |  |
| 14.1.1 | W.C. pan with ISI marked white solid plastic seat and lid   | 36.00   | Each |  |  |
| 14.2   | Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:  |         |      |  |  |
| 14.2.1 | White Vitreous China Angle back wash basin size 400 x 400 mm with single 15 mm C.P. brass pillar tap  | 48.00   | Each |  |  |
| 14.3   | White Vitreous China Flat back wash basin size 450x 300 mm with single 15 mm C.P. brass pillar tap  | 24.00   | Each |  |  |
| 14.4   | 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 :   |         |      |  |  |
| 14.4.1 | Kitchen sink without drain board  |         |      |  |  |
| 14.4.2 | 610x460 mm bowl depth 200 mm  | 72.00   | Each |  |  |
| 14.5   | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.   |         |      |  |  |
| 14.5.1 | Flexible pipe   |         |      |  |  |
| 14.5.2 | 32 mm dia   | 144.00  | Each |  |  |

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| 14.6    | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.  | 72.00  | Each  |  |  |
| 14.7    | Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodisedaluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.  | 72.00  | Each  |  |  |
| 14.8    | Providing and fixing soil, waste and vent pipes :   |        |       |  |  |
| 14.8.1  | 100 mm dia  |        |       |  |  |
| 14.8.2  | Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989   | 795.00 | metre |  |  |
| 14.9    | 75 mm diameter :  |        |       |  |  |
| 14.9.1  | Centrifugally cast (spun) iron socketed pipe as per IS: 3989  | 165.00 | metre |  |  |
| 14.10   | Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. : |        |       |  |  |
| 14.10.1 | For 100 mm dia pipe   | 165.00 | Each  |  |  |
| 14.11   | Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.   |        |       |  |  |
| 14.11.1 | 100 mm dia  |        |       |  |  |
| 14.11.2 | Sand cast iron S&S as per IS - 3989   | 32.00  | Each  |  |  |
| 14.12   | Providing and fixing plain bend of required degree.   |        |       |  |  |
| 14.12.1 | 100 mm dia  |        |       |  |  |
| 14.12.2 | Sand cast iron S&S as per IS : 3989   | 118.00 | Each  |  |  |
| 14.13   | Providing and fixing double equal plain junction of required degree.  |        |       |  |  |
| 14.13.1 | 100x100x100x100 mm  |        |       |  |  |
| 14.13.2 | Sand cast iron S&S as per IS - 3989   | 12.00  | Each  |  |  |
| 14.14   | Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.  |        |       |  |  |
| 14.14.1 | 100x100x100 mm  |        |       |  |  |
| 14.14.2 | Sand cast iron S&S as per IS - 3989   | 102.00 | Each  |  |  |
| 14.15   | Providing and fixing single equal plain junction of required degree :   |        |       |  |  |
| 14.15.1 | 100x100x100 mm  |        |       |  |  |
| 14.15.2 | Sand cast iron S&S as per IS - 3989   | 46.00  | Each  |  |  |



|         |   |         |       |  |  |
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| 14.16   | Providing and fixing single unequal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete :   |         |       |  |  |
| 14.16.1 | 100x100x75 mm   |         |       |  |  |
| 14.16.2 | Sand cast iron S&S as per IS - 3989   | 52.00   | Each  |  |  |
| 14.17   | Providing and fixing terminal guard :   |         |       |  |  |
| 14.17.1 | 100 mm  |         |       |  |  |
| 14.17.2 | Sand cast iron S&S as per IS - 3989   | 52.00   | Each  |  |  |
| 14.18   | Providing and fixing collar :   |         |       |  |  |
| 14.18.1 | 100 mm  |         |       |  |  |
| 14.18.2 | Sand cast iron S&S as per IS - 3989   | 29.00   | Each  |  |  |
| 14.19   | Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :   |         |       |  |  |
| 14.19.1 | 100 mm  | 785.00  | Each  |  |  |
| 14.19.2 | 75 mm   | 162.00  | Each  |  |  |
| 14.2    | Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :  |         |       |  |  |
| 14.20.1 | 100 mm inlet and 100 mm outlet  |         |       |  |  |
| 14.20.2 | Sand cast iron S&S as per IS: 3989  | 90.00   | Each  |  |  |
| 14.21   | 100 mm inlet and 75 mm outlet   |         |       |  |  |
| 14.21.1 | Sand cast iron S&S as per IS - 3989   | 132.00  | Each  |  |  |
| 14.22   | Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: |         |       |  |  |
| 14.22.1 | White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.  | 36.00   | Each  |  |  |
| 15.1    | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.<br>Internal work - Exposed on wall   |         |       |  |  |
| 15.1.1  | 20 mm dia nominal bore  | 2775.00 | metre |  |  |
| 15.1.2  | 32 mm dia nominal bore  | 120.00  | Mtr.  |  |  |
| 15.1.3  | 50 mm dia nominal bore  | 260.00  | Mtr.  |  |  |

|         |   |          |           |  |  |
|---------|---|----------|-----------|--|--|
| 15.2    | Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :   |          |           |  |  |
| 15.2.1  | 15 mm dia nominal bore  | 1419.00  | metre     |  |  |
| 15.3    | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work  |          |           |  |  |
| 15.3.1  | 25 mm dia nominal bore  | 482.00   | metre     |  |  |
| 15.4    | Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :   |          |           |  |  |
| 15.4.1  | 25 to 40 mm nominal bore  | 26.00    | Each      |  |  |
| 15.5    | Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :   |          |           |  |  |
| 15.5.1  | 20 mm nominal bore  | 77.00    | Each      |  |  |
| 15.6    | Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :  |          |           |  |  |
| 15.6.1  | 20 mm nominal bore  | 24.00    | Each      |  |  |
| 15.7    | Providing and fixing uplasticised PVC connection pipe with brass unions :   |          |           |  |  |
| 15.7.1  | 45 cm length  |          |           |  |  |
| 15.7.2  | 15 mm nominal bore  | 216.00   | Each      |  |  |
| 15.8    | Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work :  |          |           |  |  |
| 15.8.1  | 20 mm diameter pipe   | 2775.00  | metre     |  |  |
| 15.9    | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :   |          |           |  |  |
| 15.9.1  | 15 mm nominal bore  | 144.00   | Each      |  |  |
| 15.9.2  | 20 mm nominal bore  | 247.00   | Each      |  |  |
| 15.9.3  | 25 mm nominal bore  | 24.00    | Each      |  |  |
| 15.10   | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank |          |           |  |  |
| 15.10.1 | Circular tank   | 36000.00 | per litre |  |  |
| 15.11   | Cutting holes up to 30x30 cm in walls including making good the same:   |          |           |  |  |

|         |  |        |       |  |  |
|---------|--|--------|-------|--|--|
| 15.11.1 | With common burnt clay F.P.S. (non modular) bricks   | 372.00 | Each  |  |  |
| 15.12   | 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.   | 192.00 | Each  |  |  |
| 16.1    | Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :   |        |       |  |  |
| 16.1.1  | 100 mm diameter  | 14.00  | metre |  |  |
| 16.2    | Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :   |        |       |  |  |
| 16.2.1  | 100 mm diameter S.W. pipe  | 14.00  | metre |  |  |
| 16.3    | Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:  |        |       |  |  |
| 16.3.1  | 100x100 mm size P type   |        |       |  |  |
| 16.3.2  | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5  | 18.00  | Each  |  |  |
| 16.4    | Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps :   |        |       |  |  |
| 16.4.1  | 100 mm diameter  | 41.00  | metre |  |  |
| 16.5    | Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : |        |       |  |  |
| 16.5.1  | Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover  |        |       |  |  |

|          |   |        |       |  |  |
|----------|---|--------|-------|--|--|
|          | 23 kg and weight of frame 15 kg) :  |        |       |  |  |
| 16.5.1.1 | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5   | 10.00  | Each  |  |  |
| 16.6     | 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 etc. complete :   |        |       |  |  |
| 16.6.1   | For pipes 100 to 250 mm diameter  | 18.00  | Each  |  |  |
| 17.1     | 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):   |        |       |  |  |
| 17.1.1   | With float glass panes of 4.0 mm thickness  | 119.00 | Sqm.  |  |  |
| 17.2     | 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.   |        |       |  |  |
| 17.2.1   | Upto 5mm depth and 5 mm width   | 681.00 | Metre |  |  |
| 17.3     | Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:  |        |       |  |  |
|          | (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.  |        |       |  |  |
|          | :(b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixedwith water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. |        |       |  |  |

|        |  |         |      |  |  |
|--------|--|---------|------|--|--|
|        | (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge.  |         |      |  |  |
|        | (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mmsquare 3 mm deep. |         |      |  |  |
|        | (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge :  |         |      |  |  |
| 17.3.1 | With average thickness of 120 mm and minimum thickness at khurra as 65 mm.   | 784.36  | Sqm. |  |  |
| 18.1   | Providing and fixing cup board shutters with 18-19mm thick commercial block board as per IS : 1659 of approved make with necessary SS piano hinges of appropriate size etc. complete as per direction of Engineer In Charge.   | 497.00  | Sqm  |  |  |
| 18.2   | Providing and fixing cup board inside shelves, sides, back portion, drawers etc. with 18-19mm thick commercial block board as per IS : 1659 of approved make with necessary fixing arrangement and as per requirement complete as per direction of Engineer In Charge. (All exposed edges of block board to be lipped with 3 mm thick teak wood beading/ margin.)  | 1066.00 | Sqm  |  |  |
| 18.3   | Providing and fixing 6mm thick ply wood sheet (ISI marked) in cup board including necessary glue and nails etc. complete as per direction of Engineer In Charge.   | 425.00  | Sqm  |  |  |
| 18.4   | Providing and fixing GI tank Nipple of approved make in PVC tanks as per directions of Engineer-In-Charge.(<br>15 mm nominal bore)   | 74.00   | Each |  |  |

|       |   |        |       |  |  |
|-------|---|--------|-------|--|--|
| 18.5  | <p>Providing and fixing Curtain/Drapery Rod with finials and rings (28mm diameter Electric Resistance Welded MS pipe having a corrugated virgin PVC extrusion on it. The finials and rings are made of ABS plastic in matching colours with an option of golden finish) in required position including Curtain Brackets/ End Knobs/ Pipe Holders etc. and including necessary cutting, tightening/fixing as required complete as per the instructions of Engineer-in-charge. (Make: Vista-Soffio-II or equivalent of MAC).</p> <p>Note:- For payment purpose total end to end length of rod including End Globe will be measured and no extra payment will be made for Curtain Bracket, End Knob, Pipe Holder, Finials and rings.</p> | 324.04 | Metre |  |  |
| 18.6  | <p>Providing and Fixing of C.P. brass stop cock (concealed) of standard design as per directions of Engineer-In-Charge conforming to IS:8931. . (Make:Jaquar/Marc/Kohler)<br/>15mm nominal bore</p>   | 144.00 | Each  |  |  |
| 18.7  | <p>Providing and Fixing of C.P. towel rod with brackets fixed to wooden cleats with C.P. brass screws complete.</p>   | 72.00  | Each  |  |  |
| 18.8  | <p>Providing and Fixing of C.P. brass bib cock (long body) of approved quality complete as per the direction of Engineer in-charge. (Make: Jaquar/Marc/Kohler)<br/>15mm nominal bore</p>  | 312.00 | Each  |  |  |
| 18.9  | <p>Providing and Fixing of C.P. Brass bib cock (Short body) of approved quality complete as per the directions of Engineer in-charge. (Make: Jaquar/Marc/Kohler)<br/>15mm nominal bore</p>  | 72.00  | Each  |  |  |
| 18.10 | <p>Providing and Fixing of C.P. brass angle valve/angular stop cock for wash basin and geyser and WC points of approved quality complete as per the direction of Engineer in-charge. (Make:Jaquar/Marc/Kohler).<br/>15mm nominal bore</p>   | 372.00 | Each  |  |  |
| 18.11 | <p>Providing and Fixing of C.P. brass shower head with arm complete as per the direction of Engineer in-charge.<br/>(Make:Jaquar/Marc/Kohler)<br/>15mm nominal bore</p>   | 72.00  | Each  |  |  |
| 18.12 | <p>Providing and Fixing of C.P. brass wall mixture tap of approved quality complete as per the direction of Engineer in-charge.<br/>(Make:Jaquar/Marc/Kohler).<br/>15mm nominal bore</p>  | 72.00  | Each  |  |  |

|       |   |        |      |  |  |
|-------|---|--------|------|--|--|
| 18.13 | Providing and Fixing of gun metal gate valve with C.I. wheel of approved quality complete as per directions of Engineer-In-Charge. (Make:Zoloto/Leader/Sant) 20mm nominal bore  | 79.00  | Each |  |  |
| 18.14 | Providing and fixing fly proof wire guaze to windows, clerestory windows and doors with screws/ washer etc. or by approved means as per manufacturer's specifications.<br>(a) Stainless steel (grade 202) wire guaze of 0.38 mm dia wire and 1.4 mm aperture on both sides. (complete area of shutter will be measured for payment and no extra payment for folding the wire guaze at edges will be made for material and labour etc.)  | 162.00 | Sqm  |  |  |
| 18.15 | Removing of old iron door shutters and refixing the same after alternation in size, grill, sheet and wiremesh repair, godown lock replacing/repairing all complete as per the direction of Engineer in-charge.  | 72.00  | Each |  |  |
| 18.16 | Providing and fixing window/ ventilator frame fabricated from 0.58mm thick roll formed sections made of galvanized steel colour coated, base steel as per IS 513"D" quality, galvanized as per IS 277 with zinc of 120grams per sqm. with specifications of frame as below: - (A) Frame - Sections of outer frame shall be 72X55mm, sections for horizontal and vertical mullions shall be 72X50mm, section for fixed glass beading shall be 12X12mm. The frame and mullion sections shall have rebate on either side for glazed shutter and wire mesh shutter with a provision to fix grill in the center. Frame section Shall be cut to length and mitered jointed with Polypropylene Corner Bracket. Mullion section shall be fixed with frame/ Mullion using mullion cap EPDM gasket should be provided all around fixed glass of 4/5mm thick (glass to be paid separately). Window frame shall be fixed to concrete / brick masonry by means of self-expanding nylon cap and inserting MS electroplated 80mm long screws into the cap through frames.Colour coated Paint specification: - All above sections will be colour coated/ pre-painted with primer coat of Epoxy primer of 5-7 micron thick, finish painted with a polyester paint of 12-16 micron thick and back coated with Alkyd backer of 5-7 microns. Complete as per manufacturer's specifications and as per the direction of Engineer-in-charge. For payment purpose complete window frame area will be measured. | 236.00 | Sqm  |  |  |

|       |   |        |     |  |  |
|-------|---|--------|-----|--|--|
| 18.17 | <p>Providing and fixing window/ ventilator glazed shutters fabricated from 0.58mm thick roll formed sections made of galvanized steel colour coated, base steel as per IS 513"D" quality, galvanized as per IS 277 with zinc of 120grams per sqm. with specifications of glazed shutter as below:</p> <p>-<br/>Glazed shutters - The section for glass shutter frame should be 47 X 20mm which should be cut to length and mitered jointed with Polypropylene brackets. The shutter (side hung/ top hung) should be with 4/5mm glass (glass to be paid separately) with EPDM gasket all around and shutter frame should be fixed to main frame with a set of SS Pivot Hinges. Each glass shutter should be provided with</p> <p>a) Polypropylene Handle – 1 No.<br/>b) Aluminium Powder Coated Tower Bolt 3”- 2 Nos.<br/>c) Aluminium Powder Coated Peg Stay – 1 No.</p> <p>Colour coated Paint specification: - All above sections for frame and shutters will be colour coated/ pre-painted with primer coat of Epoxy primer of 5-7 micron thick, finish painted with a polyester paint of 12-16 micron thick and back coated with Alkyd backer of 5-7 microns. Complete as per manufacturer’s specifications and as per the direction of Engineer-in-charge. For payment purpose glazed shutter area will be measured (The payment of glass panes will made separately in respective item.</p> | 153.00 | Sqm |  |  |
| 18.18 | <p>Providing and fixing window/ ventilator wire mesh shutters fabricated from 0.58mm thick roll formed sections made of galvanized steel colour coated, base steel as per IS 513"D" quality, galvanized as per IS 277 with zinc of 120grams per sqm. with specifications of wire mesh shutter as below:</p> <p>-<br/>Wire mesh shutters- The section for wire mesh shutter shall be 40 X 20mm which shall be cut to length and mitered jointed with Polypropylene Corner Brackets. The wire mesh shutter shall be fixed to main frame using a set of stainless steel Pivot Hinges 304 grade (wire mesh to be paid separately) shall be fixed to wire mesh shutter with section for mesh fixing should be 18mm x 6mm x 0.58mm thickness. Each wire mesh shutter shall be provided with</p> <p>a) Polypropylene Handle – 1 No.<br/>b) 3” Aluminium Powder Coated Tower Bolt – 2 Nos.</p> <p>Colour coated Paint specification: - All above sections for frame and shutters will be colour coated/ pre-painted with primer coat of Epoxy</p>   | 153.00 | Sqm |  |  |



|       |   |         |      |  |  |
|-------|---|---------|------|--|--|
|       | primer of 5-7 micron thick, finish painted with a polyester paint of 12-16 micron thick and back coated with Alkyd backer of 5-7 microns. Complete as per manufacturer's specifications and as per the direction of Engineer-in-charge. For payment purpose wire mesh shutter area will be measured.  |         |      |  |  |
| 18.19 | Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :<br>New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 1.13 kg/ 10 sqm)  | 6405.00 | Sqm  |  |  |
| 18.2  | Providing and laying water proofing treatment on terrace, sunken portion of WCs, bathroom etc. by applying cement slurry mixed with Tapecrete of M/s CICO Engg. Service consisting of applying<br><br>a) First layer of slurry of cement @ 0.488 kg/sqm mixed with Tapecrete @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours.<br><br>b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with Tapecrete @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.<br><br>The rate includes cleaning the existing mud fuska by wire brushes, preparation of surface including repair of pointing (wherever required), treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. (Note:- Tapecrete will be supplied by the department). | 542.00  | Sqm  |  |  |
| 18.21 | Providing and fixing 100mm C.P. grating with or without hole for nahani trap/floor trap of approved make and as per directions of Emgineer-In-Charge.   | 222.00  | Each |  |  |
| 18.22 | Fixing of glass corners of any size with necessary cleats and screws etc. complete as per the direction of Engineer in-charge. Glass corners will be provided free of cost departmentally.  | 72.00   | Each |  |  |
| 18.23 | Providing and placing on terrace (at all floor levels) polyethylene water storage insulated four layer tanks of required capacity as per ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.   | 8000.00 | Ltr. |  |  |

|        |  |         |         |  |  |
|--------|--|---------|---------|--|--|
| 18.24  | Providing and laying first quality 10mm thick unglazed vitrified floor tiles floor tiles of size 300X300mm (make : Durastone by somany tiles / Endura by jonsons/ Power Paver by Orient tiles ) conforming to IS : 4457 in all colours and shades laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand ) including Pointing the jointes with white cement and matching pigments etc. complete as per direction of Engineer-In-Charge. | 394.00  | Sqm     |  |  |
| 19.1   | Wiring for light point/C.fan point/ exhaust fan point/ call bell point with 1.5sq.mm FR PVC insulated copper conductor single/ multi core cable in surface/ recessed steel conduit, modular type switch, modular plate, suitable size GI box & earthing the point with 1.5sq.mm. FRLS PVC insulated copper conductor single core etc as reqd. Group A  | 864.00  | Points. |  |  |
| 19.2   | Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel /PVC conduit including dismantling as required. Group -A.  | 144.00  | Points. |  |  |
| 19.3   | Wiring for light/ power plug with 2X4 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No 4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as reqd.  | 1225.00 | Meter.  |  |  |
| 19.4   | Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.  | 720.00  | Meter.  |  |  |
| 19.5   | Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as reqd. 2 X 2.5 sq.mm + 1 X 2.5 sq.mm earth wire   | 750.00  | Meter.  |  |  |
| 19.5.1 | 2 X 6 sq. mm + 1 X 6 sq. mm earth wire   | 750.00  | Meter.  |  |  |
| 19.5.2 | 4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire   | 220.00  | Meter.  |  |  |
| 19.6   | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel / PVC conduit as required. 3 x 2.5 sq. mm  | 300.00  | Meter.  |  |  |
| 19.6.1 | 3 x 4 sq. mm   | 200.00  | Meter.  |  |  |
| 19.6.2 | 6 x 4 sq. mm   | 200.00  | Meter.  |  |  |
| 19.7   | Supplying & fixing suitable size GI box with modular plate & cover in front on surface or in recess, including providing & fixing 3 pin5/6 amps modular socket outlet & 5/6 amps modular   | 216.00  | Nos.    |  |  |

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|         | switch, connection etc. as reqd.   |        |      |  |  |
| 19.8    | Supplying & fixing suitable size GI box with modular plate & cover in front on surface or in recess, ncluding providing & fixing 6 pin 5/6 & 15/16 amps modular socket outlet & 15/16 amps modular switch, connection etc. as reqd.  | 264.00 | Nos. |  |  |
| 19.9    | Supplying & fixing stepped type 2 module electronic fan regulator on the existing modular plate switch box including connections etc. as reqd.   | 144.00 | Nos. |  |  |
| 19.1    | Supplying & fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.<br>a. 1 or 2 Module (75 mm x 75 mm)   | 144.00 | Nos. |  |  |
| 19.10.1 | b. 8 Module (125 mm X 125 mm)  | 30.00  | Nos. |  |  |
| 19.10.2 | c. 12 Module (200 mm X 150 mm)   | 30.00  | Nos. |  |  |
| 19.11   | Supplying & fixing following type switch/ socket on the existing plate & switch box/ channel including connections etc. as reqd.<br>a. 5/6 amps modular switch   | 216.00 | Nos. |  |  |
| 19.11.1 | b. 15/16 amps switch.  | 12.00  | Nos. |  |  |
| 19.11.2 | c. 3- pin 5/6 amps socket outlet.  | 144.00 | Nos. |  |  |
| 19.11.3 | d. Telephone socket outlet   | 144.00 | Nos. |  |  |
| 19.12   | Supplying & fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as reqd.  | 360.00 | Nos. |  |  |
| 19.13   | Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.  | 144.00 | Nos. |  |  |
| 19.14   | Supplying & fixing brass batten/ angle holder including connection etc. as reqd.   | 360.00 | Nos. |  |  |
| 19.15   | Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.  | 144.00 | Nos. |  |  |
| 19.16   | Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required. | 144.00 | Nos. |  |  |
| 19.17   | Installation, testing & commissioning of ceiling fan, including wiring the down rods of standard length (upto 30cm)with 1.5 sq.mm FR PVC insulated, copper conductor, single core cable etc. as reqd.  | 144.00 | Nos. |  |  |
| 19.18   | Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.   | 72.00  | Nos. |  |  |

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|-------|---|--------|--------|--|--|
| 19.19 | Supplying & Fixing 8 way (2+6 way) double door single pole & neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with interconnections, including earthing etc. as reqd.  | 72.00  | Nos.   |  |  |
| 19.20 | Supplying & fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing & commissioning etc. as reqd.<br>a. Single pole.  | 360.00 | Nos.   |  |  |
| 19.21 | Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.<br>63 A  | 72.00  | Nos.   |  |  |
| 19.22 | Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.   | 144.00 | Nos.   |  |  |
| 19.23 | 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.<br>25 mm  | 480.00 | Meter. |  |  |
| 19.24 | Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required. 2 Pair  | 500.00 | Meter. |  |  |
| 19.25 | Supply of fancy light fitting complete with glass shade as required. (Make- CROMPTON/ OSRAM/ HAVELLS/ C&S)  | 144.00 | Nos.   |  |  |
| 19.26 | Supplying of 20 watt, 1200mm ( $\pm 6\%$ ) length 6000k, wall mounted LED fitting complete with LED tube & electronic driver etc as required. Make- CROMPTON/ OSRAM/ HAVELLS/ C&S   | 144.00 | Nos.   |  |  |
| 19.27 | Supplying of LED based 60watt. Street light fittings with high efficiency CNC controlled designed optical reflector / street light lences for each LED for proper light distribution having single piece pressure dia cast aluminium housing with built in heat sinks the housing shall have two compartment one for LED try and other for LED driver and main cable entry. The optical and electrical compartment should be sealed with silicon gasket, toughened glass and shall confirm to IP-66 protection and fixing with suitable size L type bracket testing and commissioning aas | 8.00   | Nos.   |  |  |

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|-----------|--|----------|-------|--|--|
|           | required.<br>a. 60watt. 110 to 270 volt AC 50Hz<br>b. total lumens output not less than=> 6000 lumens. Make- CROMPTON/ OSRAM/ HAVELLS/ C&S   |          |       |  |  |
| 19.28     | Supplying of 1400mm size ceiling fan complete with capacitor, down rod, canopies, hanging shackle, blades, suitable for use on 220/240 volts 50 HZ, single phase A/C supply. (Make-Bajaj / Havells Velocity /Usha Striker) | 144.00   | Nos.  |  |  |
| 19.29     | Supply of 12 watt surface mounted square shape 6000k, LED light fitting complete with LEDs as required. Make - CROMPTON/ OSRAM/ HAVELLS/ C&S   | 32.00    | Nos.  |  |  |
| 19.30     | Providing and fixing MS fan hook in the existing RCC work i/c digging in RCC & make good the same as required.   | 48.00    | Each  |  |  |
| 19.31     | Supplying and fixing of exhaust fan 250 mm 230 V 50 Hz 1400 RPM 10" including connection etc. complete as required. Make:- Bajaj / Usha / Havells  | 72.00    | Each  |  |  |
| <b>20</b> | <b>Less Credit of dismantled item</b>  |          |       |  |  |
| 20.1      | G.I. Pipe 15 m to 40 mm dia  | 900.00   | Meter |  |  |
| 20.2      | C.I. Pipe upto 100 mm dia including fittings   | 380.00   | Meter |  |  |
| 20.3      | PVC cistern of any size  | 72.00    | Each  |  |  |
| 20.4      | M.S. iron frames and M.S. bars   | 2250.00  | Kg    |  |  |
| 20.5      | Flush door shutters of various thickness with fittings   | 292.00   | Each  |  |  |
| 20.6      | wooden glazed/ wire gauge shutters of various thickness with fittings  | 152.00   | Sqm   |  |  |
| 20.7      | old PVC tanks of various capacity  | 23500.00 | Liter |  |  |
| 20.8      | Brass stop cock of various size  | 144.00   | Each  |  |  |
| 20.9      | Brass bib cock of various size   | 144.00   | Each  |  |  |
| 20.10     | Dismantled old MS box with bakelite sheet of different size  | 75.00    | Kg    |  |  |
| 20.11     | Dismantled of old 1X40 W fittings  | 72.00    | Nos.  |  |  |
| 20.12     | Dismantled of old ceiling fan of 1200mm / 1400mm   | 88.00    | Nos.  |  |  |
| 20.13     | Dismantled of old fancy light with glass shade   | 144.00   | Nos.  |  |  |
| 20.14     | Dismantled of old aluminium / copper wire  | 100.00   | Kg    |  |  |
| 20.15     | Dismantled of old SPN DB   | 72.00    | Nos.  |  |  |
| 20.16     | Dismantled of old DP isolator  | 72.00    | Nos.  |  |  |
| 20.17     | Dismantled of old SP MCB   | 280.00   | Nos.  |  |  |

|       |                                 |        |      |                 |  |
|-------|---------------------------------|--------|------|-----------------|--|
| 20.18 | Dismantled of old 5 A switch    | 500.00 | Nos. |                 |  |
| 20.19 | Dismantled of old 5 A Socket    | 200.00 | Nos. |                 |  |
| 20.2  | Dismantled of old 15A Switch    | 144.00 | Nos. |                 |  |
| 20.21 | Dismantled of old 15A Socket    | 144.00 | Nos. |                 |  |
| 20.22 | Dismantled of old fan regulator | 72.00  | Nos. |                 |  |
|       |                                 |        |      | <b>G. Total</b> |  |

**Special Conditions: -**

1. No labour huts shall be allowed in IIT Campus and nothing shall be paid extra on this account.
2. The contractor must visit the site of work /buildings before quoting the rates.
3. No labour to stay in IIT Campus nothing shall be paid extra on this account.
4. Site shall be made available as and when available.
5. Site shall be available in parts or phases as per directions of Engineer in Charge and nothing extra on this account shall be paid to the Contractor.
6. Quoted rates of participating agencies shall be inclusive of GST.

