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

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NIT Amounting to<mark>Rs. 1,08,67,941/-(One Crore Eight Lakhs Sixty Seven Thousands Nine Hundred Fourty One</mark> <mark>Only)approved.</mark>

#### **Institute Engineer**

#### Notice Inviting E-Tender (E-Procurementmode)

#### INDIAN INSTITUTE OF TECHNOLOGY DELHI

#### HAUZ KHAS, NEWDELHI-110016

#### **Open Tender Notice Number:- IITD/WORKS(SP-825)/2017**

Dated:-16/01/2017

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

Details of the item	Name of work:- Renovation of 32 Nos. (A-Type) Houses in Block nos. A-12 & A-13 in East Campus at IIT Delhi.Sub Head:-Civil & Electrical work.
EarnestMoneyDepostobe submitted	Rs. <mark>2,17,359/-</mark>
Warranty / Maintenance Period	1 Year
Performance Security	5% of Tender Amount

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

AspiringBidderswhohavenotenrolled/registeredine-procurementshouldenroll/registerbeforeparticipating through the website <u>http://eprocure.gov.in/eprocure/app</u>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.

Tender canaccesstenderdocumentsonthewebsite(ForsearchingintheNICsite,kindlygotoTenderSearch 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 <u>http://eprocure.gov.in/eprocure/app</u> as per the schedule given in the nextpage.

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

## 3 <u>Schedule</u>

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)	Work
Product Category (CivilWorks/Electrical Works/Fleet Management/ ComputerSystems)	Civil
Source of Fund(Institute/Project)	Budget Code PLN-05/EW
Is Multi CurrencyAllowed	No
Date of Issue/Publishing	16/01/2017 (15:00Hrs)
Document Download/Sale Start Date	16/01/2017 (15:00Hrs)
Document Download/Sale End Date	30/01/2017 (15:00Hrs)
Last Date and Time for Uploading of Bids	30/01/2017 (15:00Hrs)
Date and Time of Opening of Technical Bids	31/01/2017 (15:00Hrs)
Tender fee	Rs.1000/-(One Thousand only). (To be paid through RTGS/NEFT. IIT Delhi Bank detailsare asunder: Name of the BankA/C : IITD RevenueAccount SBI A/CNo. : 10773572622 Name of theBank : State Bank of India, IITDelhi, HauzKhas, NewDelhi-110016 IFSCCode :SBIN0001077 
EMD	Rs <mark>2,17,359/-</mark> (Rs.Two Lakhs Seventeen Thousands Three Hundred Fifty Nine) infavour of Registrar IIT Delhi.
No. of Covers(1/2/3/4)	02
Bid Validity days(180/120/90/60/30)	90 days (From last date of opening oftender)
Address forCommunication	Executive Engineer [E], work section Room No MZ-125, Main Building, IITDelhi, HauzKhas, New Delhi –110016
ContactNo.	011-26591742
EmailAddress	a26335@admin.iitd.ac.in>

#### **Executive Engineer(E)**

#### **NOTICE INVITING E-TENDERS**

Executive Engineer (E) Indian Institute of Technology, HauzKhas, New Delhi-16. (Phone No. 011-26591742) 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	:	86 <mark>/IITD/EE(E)/2016-2017</mark>
2. Name of Work	:	Renovation of 32 Nos. (A-Type) Houses in Block nos. A-12 & A-13 in East Campus at IIT Delhi.(Sub Head- Civil & Electrical Work.)
3. Estimated cost	:	Rs. <mark>1,08,67,941/-</mark>
4. Earnest Money	:	Rs. <mark>2,17,359/-</mark>
5. Period of completion	on :	11 Months

6. Last time & date of submission of bid: 30/01/2017 upto 3:00 pm (on line)

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

**Executive Engineer (E),** For & on Behalf of BOG, IIT Delhi

#### Ch. Head: PLN-05/EW Work code-WO2852

#### Copy to: -

- 1. Institute Engineer
- 2. Executive Engineer (Elect.) for information.
- 3. D.A. (Works Accounts)
- 4. AEE (C)
- 5. D.R. (A/Cs) for opening of uploaded documents at 11:00 AM 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. <u>HAUZ KHAS, NEW DELHI-110016</u>

#### INFORMATION AND INSTRUCTIONS FOR BIDDER FOR e-TENDERING

Executive Engineer (E) Indian Institute of Technology, HauzKhas, New Delhi-16.(Phone No. 011-26591742) 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:

Sl. No.	NIT No.	Name of Work	Estimated Cost (in Rs.)	Earnest Money (inRs.)	Tender fees (inRs.)	Time for completion
1.	86/IITD/EE(E)/2016-2017	Renovation of 32 Nos. (A- Type) Houses in Block nos. A-12 & A-13 in East Campus at IIT Delhi, (Sub- Head: Civil &ElectricalWork.)	<mark>1,08,67,941/-</mark>	<mark>2,17,359/-</mark>	1000.00	11 Month

#### Last date and time of submission of financial bid :-30 /01/2017 upto3:00 pm (on line)

#### **Date and time of opening of technical bid** :-31/01/2017 after 3:00 pm (office of D.R. Store) Financial bid shall be opened after verification of technical bid

- 1. The successful bidder 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.
- 2. 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. 86,94,400/-or two similar works each of value not less than Rs. 65,20,800/-or three similar works each of value not less than Rs.43,47,200/-/-during last 7 years ending on date 31/12/2016 for the subject work.
  - ii) Tender fees Rs.1000.00 through online payment as per account detail provided in page 3 of the NIT.
  - iii) Earnest money of Rs. 2,17,359/-in the form of Banker Cheque or Demand Draft or Fixed Deposit receipt of a schedule bank drawn in favour of Registrar IIT Delhi .
  - **3.** 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.
  - 4. Information and Instructions for bidders posted on website shall form part of bid document.
  - 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 n ecessary

documents can be seen and downloaded from website <u>http://eprocure.gov.in/eprocure/app</u>. in free of cost.But the bid can only be submitted after online payment of Tender Fee .

- 6. Completion certificates issued by an officer not below the rank of Executive Engineer of similar works completed by the Agency.
- 7. Attested copy of registration certificates to be submitted. Registration of firms/ Contractors must be valid on the last day of issue of Tenders or extended date of issue of Tenders.
- 8. Work means only work under Government/ Public Sector Under taking / Autonomous bodies.
- 9. Similar work means work pertaining to works of Renovation/ Addition Alteration/ Rehabilitation/ New construction of buildings (Civil works).
- 10. 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.
- 11. IITD is committed to follow the principle of transparency, equity and competitiveness in public procurement. Before submission of bid each bidder should sign acceptance to execute integrity pact at respective places and submit the bid, if duly signed acceptance to execute integrity pact is not submitted by bidder such bid shall not be considered.
- 12. 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
- 13. The intending bidder must have valid class-III digital signature to submit the bid.
- 14. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
- 15. Contractor can upload documents in the form of JPG format and PDF format.
- 16. Contractor must ensure to quote rate of each item., If any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
- 17. 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.
- 18. 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.
- 19. Contractor should be registered with E.S.I and E.P.F.
- 20. 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.
- 21. The bid can only be submitted after uploading the mandatory scanned documents such as Demand Drafts 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 deposit with <u>http://eprocure.gov.in/eprocure/app/NEFT</u> facility.
- 22. 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.
- 23. 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"
- 24. 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.
- 25. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has submitted EMD and other documents scanned and uploaded are found in order.
- 26. 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.
- 27. The bid submitted shall become invalid if:
  - a. The bidder is found ineligible.

- b. The bidder does not uploaded all the documents (including service tax registration / VAT registration / Sales Tax registration ) as stipulated in the bid document included the undertaking about deposition of physical EMD of the scanned copy of EMD uploaded.
- c. 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.
- d. The lowest bidder does not deposit physical EMD within a week of opening of financial bid.

#### List of Documents to be Scanned and uploaded within the period of bid submission:

- 1. Scaned copy /Online Payment of EMD and onlineTender Fee.
- 2. Enlistment order of contractor.
- 3. Attested certificate of work experience.
- 4. Certificate of Registration for Sales Tax / VAT and acknowledgement of up to date filed return of VAT.
- 5. Affidavit as per Notice Inviting Tender condition 1.2.2 of page 14 of NIT to be submitted on stamp paper.
- 6. Acceptance to execute INTEGRITY PACT.
- 7. Undertaking as per "sr. no. 23" above on firm's letter head if the scan copy of EMD uploaded.

# "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 and EPF Registration.
- 9. Tender Fee of Rs.1000/- to be paid online as per detailed provided in schedule page 3.

**Executive Engineer (E),** For & on Behalf of BOG, IIT Delhi <u>Ch. Head: PLN-05/EW</u> Work code-WO2852

- 1. D.A. (Works Accounts)
- 2. AEE (C)
- 3. D.R. (A/Cs) for opening of uploaded documents at 3:00 PM on 31/01/2017 in the office of D.R. Store
- 4. Notice Boards.
- 5. Office Copy
- 6. Web site Administrator, I.I.T.D.
- 7. NIT:- Publicity on Website on institute as well as on CPP portal <u>http://eprocure.gov.in</u> may be ensured as per instruction issued.

E-tendering Web.<u>http://eprocure.gov.in/eprocure/app</u> or www.iitdelhi.ac.in

#### **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 (<u>URL:http://eprocure.gov.in/eprocure/app</u>). 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**

- Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<u>http://eprocure.gov.in/eprocure/app</u>) 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

- 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 colored (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.
- 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 <u>http://eprocure.gov.in/eprocure/app</u>. 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 <u>https://eprocure.gov.in/eprocure/app</u>.

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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 authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.

The prices quoted in the financial bids are subsidized due to academic discount given to IIT Delhi.

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	
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)	
10.Bank details of bidder (Name of Bank)	
11.Bank Branch Address with Phone No.	
12.IFSC Code	
13.MICR code of Bank	
14.Bank Account No	
15. Type of Bank account	

#### List of Documents Scanned and uploaded /check list.

- Scan copy of EMD / Online payment UTR no./ Tender Fees 1.
- Enlistment order of contractor. 2.
- 3. Attested certificate of work experience.
- Certificate of Registration for Sales Tax / VAT and acknowledgement of up to date filed return of VAT. 4.
- Affidavit as per Notice Inviting Tender condition of page 26 of NIT to be submitted on stamp paper. 5.
- Acceptance to execute INTEGRITY PACT. 6.
- 7. Undertaking on firm's letter head for EMD if EMD is not submitted online.

" 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 and EPF Registration copy.

(Signature of the Tenderer)

1 Name & Address of the bidder :

Seal of the Company

D'Man/AEE(C)

## **Notice Inviting Tender**

13



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

D'Man/AEE(C)

#### 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, HauzKhas, 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 32 Nos.( A-Type) Houses in Block nos. A-12 & A-13 in East Campus at IIT Delhi.(**Sub-Head: Civil&Eectrical 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.**1,08,67,941/-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. 100/-) 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.

## I.I.T.D

## **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 is available.

#### OR

The site for the work shall be made available in parts as specified below:-

- 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 and other necessary documents can seen in the office of the Work Section of Room No. MZ-125 between hours of 1:00 PM & 3:00 PM from 16/01/2017 to 30/01/2017 as per tender notice every day except on Saturday, Sunday and public holidays.
- 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.

I.I.T.D

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 (including VAT registration/ Sales Tax registration/ Technical bid) 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.

- I.I.T.D
- **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 15days from the stipulated date of start of the work, sign the contract consisting of:
  - 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.

**19.**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.

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	INTEGRATY PACT e-TENDERING	I.I.T.D
	,	
bject:-	NIT No. 86/IITD/EE(E)/2016-2017 for the work of Renovation of in Block nos. A-12 & A-13 in East Campus at IIT Delhi.(Sub-Head: Ci	

18

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 (E)** 

### Acceptance to execute integrity pact

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

To, Executive Engineer (E), IIT Delhi, HauzKhas, New Delhi – 110016.

#### Subject:- Submission of Bid for the of Renovation of 32 Nos. (A-Type) Houses in Block nos. A-12 & A-13 in East Campus at IIT Delhi.(Sub-Head: Civil& 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 is accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

## **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.

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#### 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 (E) IIT Delhi.

(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.

I.I.T.D

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 endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

#### Article 2: Commitment of the Bidder(s)/Contractor(s)

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the 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:

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- 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.
- 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.

C----NIL I----NIL O-----NIL

## INTEGRATY PACT e-TENDERING I.I.T.D

4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

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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 :

## I.I.T.D - 7/8 e-TENDERING

#### I.I.T.D

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

#### Percentage Rate Tender/Item Rate Tender & Contract for Works

Tender for the work of: Renovation of 32 Nos. (A-Type) Houses in Block nos. A-12 & A-13 in East Campus at IIT Delhi. (Sub-Head: Civil & Electrical Work.)

(i) To be submitted by 3:00 PM hours on ... as per tender notice page 3......
to
(ii) To be opened in presence of bidders who may be present at as per tender notice page 3
......
in the office of D.R. (Store)
Issued to .....
Signature of officer issuing the documents .....
Designation .....

#### 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 in case tenders are invited on 2/3 envelop system (**strike out as the case may be**) and not to make any modification in its terms and conditions.

## I.I.T.D - 7/8 e-TENDERING

I.I.T.D

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/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

Postal Address

Witness:

Address:

Occupation:

## I.I.T.D - 7/8 e-TENDERING

#### 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:-

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(a)

(b)

(c)

For & on behalf of Board of Governors, IIT Delhi

Signature .....

Dated: Designation .....

## 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)

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#### 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			
	N <del>il</del>		
	- IVII		

#### SCHEDULE 'D'

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



#### SCHEDULE 'E'

Reference to General Conditions of contract. (Name of Work :-Renovation of 32 Nos. (A-Type) Houses in Block nos. A-12 & A-13 in East Campus at IIT Delhi.(Sub-Head: Civil& Electrical Work.) Estimated cost of work : Rs. 1,08,67,941/-: Rs. 2,17,359/-(i) Earnest Money (ii) Performance Guarantee : 5% of tendered value (iii) Security Deposit : 5% of tendered value 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: Executive Engineer(E)** 2(v) Engineer-in-Charge 2(viii) Accepting Authority Institute Engineer 2(x) Percentage on cost of materials and Labour to cover all overheads and profits: 15% 2(xi) Standard Schedule of Rates -DSR 2014 and Market Rate Department -Works department at I.I.T Delhi 2(xii)Standard I.I.T.D Contract Form GCC 2010, I.I.T.D Form 7/8-2010 modified & Corrected 9(ii) up to date of submission of tender. Clause 1 Time allowed for submission of Performance Guarantee (i) from the date of issue of letter of acceptance 15 days (iii) 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 clause 2 **Institute Engineer** 

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#### Clause 2A

Whether Clause 2A shall be applicable

#### 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:-

31

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
1	$1/8^{\text{th}}$ (of the whole work)	$1/4^{\text{th}}$ (of the whole work)	necessary progress as assessed
2	$3/8^{\text{th}}$ (of the whole work)	$1/2^{\text{th}}$ (of the whole work)	from the running payment, 1% of
3	$3/4^{\text{th}}$ (of the whole work)	$3/4^{\text{th}}$ (of the whole work)	the Tender value of work will be
4	Full	Full	withheld for failure of each
			milestone.

As per tender notice.

Time allowed for execution of work

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. 12.00 Lakhs

#### Clause 10A

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



No

#### 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.	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Materials covered under
1		
2		
3	N I : I	
4	NII	

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

#### Clause 10CC

Clause

Clause 10 CC to be applicable in contracts with stipulated period	
of completion exceeding the period shown in next column	12 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	%
911		

Specifications to be followed for execution of work

CPWD specifications 2009 Vol-1&2 with upto date correction slips & manufacturers specifications

1.1

## I.I.T.D

#### Clause 12

1	Гуре о	f work -Maintenance works including works of up- addition/ alteration.	gradation, aesthetic, special repair,
12.2. & 1	2.3	Deviation Limit beyond which clauses	
		12.2 & 12.3 shall apply for building work	30%
1	2.5	Deviation Limit beyond which clauses	
		12.2 & 12.3 shall apply for foundation work	100%

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#### Clause 16

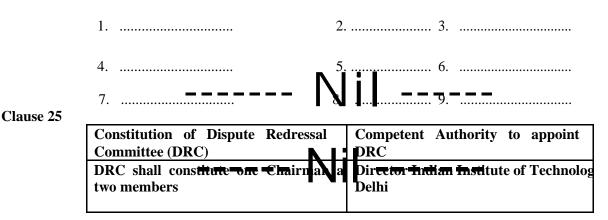
Competent Authority for

deciding reduced rates.

#### **Institute Engineer**

#### Clause 18

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



#### Clause 36 (i)

Requirement of Technical Representative(s) and recovery Rate

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

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

#### Clause 42

- (i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates **2014**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. For works with estimated cost put to tender more than Rs.5 lakh.	3% plus/minus. 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			
2.	Steel Reinforcement			
3.	Structural Sections	As per CPWD	Specification 2009	
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

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- (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 substantiates his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his 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

S. No.	Description A-Civil Items	Approved Makes		
1.	Cement (Grey ) OPC/ PPC	ACC / Ultratech/ J.K. / BIRLA/ J.P./ Vikram		
2.	Cement (White )	J.K. / BIRLA		
2. 3.	Reinforcement Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL		
<i>.</i>	Kennoreement Steer	SECONDARY MANUFACTURERS HAVING VALID BIS		
		LICENSE (to be as per latest BIS provisions)		
4.	Structural Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL		
	Structurul Stool	SECONDARY MANUFACTURERS HAVING VALID BIS		
		LICENSE (to be as per latest BIS provisions)		
5.	Stainless steel (Grade 304)	Jindal / SAIL / Salem		
5.	Bricks	COMMERCIALLY AVAILABLE OR REQUIRED STRENGTH		
7.	Aluminum Sections	HINDALCO / JINDAL / MAHAVIR		
3.	Flush doors	CENTURY / MERINO / DURO BOARD / GREEN		
).	Laminates	GREENLAM / DURO / MERINO /DECOLAM / CENTURY		
10.	Glass / Mirror	SAINT GOBAIN / MODI FLOAT / ASAHI FLOAT		
1.	Ceramic Glazed tiles/Border tiles	1 <sup>ST</sup> QUALITY KAJARIA / NITCO / JOHNSON / ORIENT / SOMANY		
12.	Vitrified Tiles	NAVEEN / SOMANY / JOHNSON / KAJARIA		
13.	Interlocking Precast pavers blocks / Kerb Stone	HINDUSTAN TILES / NIMCO PREFAB / K.K. MANHOLES / DALAL		
4.	Stainless Steel Hinges	JOLLY / GARG / AMIT / ASI SUPREME		
5.	Stainless Steel Nuts Bolts / Screws	KUNDAN / PUJA / ATUL / GKW		
16.	Paint / primer / oil bound distemper Acrylic paint	1 <sup>st</sup> QUALITY PAINTS OF ASIAN / BERGER / NEROLAC /		
17	Water Proof. Cement Paint	AKZONOBAL INDIA (ICI) SNOWCEM / ASIAN PAINTS / BERGER / NEROLAC/		
17.	water Proof. Cement Paint			
10	Consistence (Mitter and China) (Economic Constant	AKZONOBAL INDIA ( ICI)		
18.	Sanitary ware (Vitreous China) (European Seats, Urinals, Wash Basins, etc.)	HINDWARE / PARRYWARE / CERA		
0	Seat Covers			
9.	C.P. brass Fittings / Accessories	HINDWARE / PARRYWARE / CERA		
20.		JAQUAR / MARC / CERA / KOHLAR		
21.	G.I. Pipes	TATA / JINDAL (HISSAR)		
22.	G.I. Fittings Stainless Steel Sink	UNIK / ZOLOTO		
23.	Commercial Board / PLY	NEELKANTH / JAINA / KINGSTON (COBRA) / NIRALI		
24.		MERINO / DURO /GREEN / CENTURY		
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		
28.	Door Closer	EVERITE / SANDHU/ Hardwin or as approved Equivalent		
29.	Bison Board	BISON / E BOARD		
30.	Vertical Blinds	VISTA / MAC		
31.	False Ceiling	Armstrong/ Saint Gobain/ Metaworth		
32.	Water proofing compound	CICO / FOSROC / PIDILITE / Sika		
33.	Polymer Compound	CICO / PIDILITE / FOSROC /Sika		
34.	Particle Board	NOVA PAN / BHUTAN BOARD/ Eco Board		
35.	Rust Remover / Anticorrosive	FOSROC / CICO / PIDILITE/SIKKA or BASF		
36.	Adhesive	FEVICOL / VAMICOL		
37.	Tile Adhesive	PIDILITE / BALENDURA / FERROUSCRETE / Sika		
38.	Wall Putty	BIRLA / JK / FERROUSCRETE/ Sika		
39	GRG Partitions	Gypsum India or as approved equivalent		
40	Insulation	U.P. Twiga Ltd or as approved equivalent		
1.	Epoxy Grout	Ballendura / Kerakoll / Ferrouscrete/ Sika		
42.	PVC Water storage tank (ISI marked)	Sintex / UniPlast / Polywell		
13.	PVC insulated Water storage tank Heavy duty 4/5	Sintex / UniPlast / Polywell / Euro		
	layer			
14.	Brass Ball Valve/ Gate Valve / Float Valve	Zoloto / Leader / SANT		
15.	Aluminium Door fittings	Classic or ISI		
l6.	Brass Bib / Stop cock	Sant / Leader or ISI		
47.	Thermoplastic paint	CBM, CMS, S.N. Industries and any other approved by Engineer-in-charge.		
18.	Plaster of paris putty	Sakarni, Adhar Shree, Shree Ram, J.K., Ashirwad		
49. Glow Stud, Solar Power Stud Road Star / 3M / Dark Eye /Every Dennis		Road Star / 3M / Dark Eye /Every Dennison		
	B- Electrical Item			
		Finolex / Skytone / Havells / ECKO (ISI Marked)		

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51	Steel conduit	BEC / AKG / NIC / M.KAY (ISI Marked)
52	PVC conduit	Poly pack / AKG/ Setia I.S.I. Marked.
53	Batten Holder /ceiling rose /call bell & ordinary Switch, socket/regulator (socket type)	Anchor / Antex / M. KAY I.S.I. Marked.
54	Modular type 5A switch, socket & 15A Switch, socket and electronic fan regulator (stepped type)	Roma / M.K / North West / Legrand (ISI Marked).
55	Modular plate & cover	ROMA / MK / Northwest / LEGRAND (ISI Marked).
56	Distribution board /MCB.	Legrand / Schneider / Hager.
57	MCCB's / S.F.U. switches	Legrand / Schneider / Hager.
58	Industrial type socket (SPN)	Hager / Legrand / Schneider / Indo Asian / Havells.
59	Industrial type socket (TPN)	Hager / Legrand / Schneider.
60	Ceiling fans (All size).	Usha Striker / Havells Velocity/ Crompton Greaves High Speed.
61	Exhaust fans (All size).	Crompton Greaves / GEC Alstom / Usha / HAVELLS.
63	L.T armored cable.	Havells / Grandlay/ ICL/ NICCO I.S.I. Marked.
63	Energy meters.	Havells / Benitex / Jaipur.
64	Ammeter & Voltmeter.	AE /HPL /Enercon (Conserve).
65	G.I. pipes.	JINDAL /TATA (I.S.I. Marked).
66	LED Fittings 20 watt. 1200 mm (-+6%) length	Wipro code no D532265/ Harvells LHE WEBP71NIWO20/ PHILIPS
67	G.I. Box	Anchor / Legrand / Havells.

#### 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 acquitted with the proposed work including specifications & its site and additional conditions carefully before quoting their rate. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of houses for renovation.
- 4. The work shall be carried out as per CPWD specifications 2009 volume I & II for civil and 2005 for electrical 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, Sales Tax & stacking of material required at places etc.
- 6. The rates for different items of work shall apply for all Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement.
- 7. 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.
- 8. Articles manufactured by the reputed firms and approved by Engineer-in-Charge shall only be used. Only articles classified as "**First quality**" by the manufacturer shall be used unless otherwise specified.
- 9. 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.
- 10. 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 institute in case the test results are satisfactory and if test result failed then testing charge will be borne by the contractor. All other expenditure to be incurred for taking sample, conveyance, packing etc. shall be borne by the contractor.
- 11. The contractor shall submit a detailed programme of work within 7 days of the date of award of work. The Engineer in- Charge can modify the programme and the contractors have to work accordingly.
- 12 (a) Water arrangement has to be made by agency but if Institute provides then recovery rate will be
   1% of gross done work from bills.(b) Electricity for work will be arranged by the contractor. If
   Institute provides electricity the recovery rate will be 0.50% of gross work done from the bills.
- 13 The contractor shall make his own arrangement for getting the permission with respect to trucks from the Traffic Police.
- 14 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.
- 15 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.
- 16 The contractor shall be fully responsible for the safe custody of the material issued or brought at site by him for doing the work.
- 17 The Malba / 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.
- 18 The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment 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.
- 19 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. The minimum total amount to be quoted for these items is Rs.1,31,440 /-the amount against these items will be subtracted in calculating lowest agency.
- 20 Work Contract Tax, income tax and other taxes as applicable shall be deducted from the bills of contractor.
- 21 1% labourcess will be deducted from the bills of contractor.
- 22 For item of water proofing Guarantee Bond shall be submitted by contractor as per format provided by IIT Delhi.

- 23 Firm should be registered with ESI and EPF and actual **reimbursement** shall be made only after production of original receipt
- 24 Contractor will submitted LM-79, LM-80 certificate & warranty for 5 years from the original manufacturer for LED Fitting.
- 25 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.

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-change at his cost and shall commence the works of such rectification within seven days from date of issuing notice from the Engineer-incharge calling upon him to rectify the defects, failing which the work will be got dine 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.

Signed, sealed and delivered by OBLIGATOR 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 (E)** For & on behalf of the Board of Governors, IIT Delhi

### **<u>IITD -2010 CORRECTION SLIPS</u>**

### In general condition of contract for IIT Delhi works department 2010

	Existing	Modified
Reference	Existing Provision	Modified Provision
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 o competitive tendering or commits breach of Integrity Agreement.
Reference	Existing Provision	
Reference Deviations /variation extent and pricing	Existing Provision CLAUSE 12 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.	Modified Provision CLAUSE 12 The Engineer-in-Charge shall have powe (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 a respects including price on which he agreed to do the main works except as hereafted provided. 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.
<u>Deviations</u> / <u>,Extra_items,</u> pricing	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	12.2 A. For Project and original works: In the case of extra items (items that an 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) clair rate, supported by proper analysis, for the work and the Engineer-in-charge sha within one month of the receipt of the claims supported by analysis after givin
CNIL IN	be paid in accordance with the rates so determined.	<ul> <li>considerations to the analysis of the rate submitted by the contractor, determine the rates on basis of market rates and th contractor shall be paid in accordance wit the rates so determined.</li> <li>B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration: In the case of Extra Item(s) being th schedule items (Delhi Schedule of the schedule of</li></ul>

		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. Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate.
Deviations, Substituted items, pricing	<ul> <li>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.</li> <li>(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).</li> <li>(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)</li> </ul>	<ul> <li>A. For Project and original works: 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.</li> <li>(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).</li> <li>(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), the rate payable to the contractor for the substituted item shall be the rate of 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) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted)</li> <li>B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration: 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.</li> <li>Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate.</li> </ul>
<u>Deviations,</u> <u>Deviated</u> <u>Quantities,</u> pricing	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	A. For Project and original works: 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

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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.	<ul> <li>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.</li> <li>B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration:</li> <li>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.</li> </ul>
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.	<ul> <li>12.3 A. For Project and original works: 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.</li> <li>B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration: In the case of decrease in the rates Prevailing in the market 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 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.</li> </ul>

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14. 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.	<u>CPWD-6</u> <u>14.</u> 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 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 (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.
11. 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 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.	<ul> <li>11. 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/ 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 along with bid shall be returned after receiving the aforesaid performance guarantee.</li> <li>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 F.</li> </ul>

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No Provision	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.
The contractor shall obtain a valid license under the Contract Labour (R&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. (i)Time allowed for submission of performance Guarantee from the date of issue of letter of acceptancedays.	The contractor shall obtain a valid license under the Contract Labour (R&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. The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979. (i)Time allowed for submission of performance Guarantee , Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, 'ESIC and BOCW Wefare Board or proof of applying thereof from the date of issue of letter of acceptancedays.
No Provision	Whether Clause 7A Shall be Applicable Yes
<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.	<b>CPWD-6</b> <u>14.</u> 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 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 (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.

### Annexure- II

## SUBMITTALS TO BE MADE BY THE CONTRACTOR DURING THE EXECUTION OF WORK

- 1. Daily Progress report stating number of workers deployed at site
- 2. Weekly/ fortnightly progress report showing progress against program given.
- 3. Program of work for the forthcoming month.

4.	Approved monthly PERT CHART/ BAR CHART		
	along with monthly progress chart	-	Fortnightly
5.	Construction materials will be brought at site by contractor		
	status and mobilization program	-	Fortnightly
6.	Value of work anticipated to be done in the forth-coming including		

- value of any materials and equipment of large value Monthly
- 7. Daily attendance of worker deployed at site by biometric machine to be maintained.

### SCHEDULE OF QUANTITY

Name of work: - Renovation of 32 Nos. ( A-Type) Houses in Block nos. A-12 & A-13 in East Campus at IIT Delhi

Sub Head- Civil& Electrical Work A - Civil Work

S.N.	Description	Qty	Unit	Rate	Amount
1	Earth Work				
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.	6	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				
1.2.1.1	Pipes, cables etc. exceeding 80 mm dia. but	30	Meter		
	not exceeding 300 mm dia				
2	CONCRETE WORK				
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	13	Cum		
	stone aggregate 20 mm nominal size)				
2.1.2	1:4:8 (1 Cement : 4 coarse sand : 8 graded	24	Cum		
	stone aggregate 40 mm nominal size)				
3	<b>REINFORCED CEMENT CONCRETE</b>				

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3.1	suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	5	Cum	
3.2	Centering and shuttering including strutting, propping etc. and removal of form for:			
3.2.1	Shelves (Cast in situ)	57	Sqm	
3.2.2	Lintels, beams, plinth beams, girders, bressumers and cantilevers	30	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	750	Kg	
4	BRICK WORK			
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)	3	Cum	
4.2	<ul><li>Brick work with common burnt clay F.P.S.</li><li>(non modular) bricks of class designation</li><li>7.5 in superstructure above plinth level up</li><li>to floor V level in all shapes and sizes in :</li></ul>			
4.2.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	6	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)	33	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.	33	Sqm	
5	MARBLE WORK			
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,			

<ul> <li>including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.</li> <li>Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble</li> </ul>				
Area of slab upto 0.50 sqm	32	Sqm		
Area of slab over 0.50 sqm	52	Sqm		
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.	83	Meter		
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.	32	Each		
WOOD AND P.V.C. WORK				
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).				
Second class teak wood	0.4	Cum		
Deduct for not providing hinges in doors, windows or clerestory window shutters with :				
Stainless steel butt hinges with stainless				
For 2nd class teak wood and other class of	-121	Sqm		
ISI marked M.S. pressed butt hinges bright				
For 2nd class teak wood and other class of	-30	Sqm		
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:				
35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	282	Sqm		
Providing and fixing nickel plated M.S.				
	<ul> <li>polishing to edges to give high gloss finish etc. complete at all levels.</li> <li>Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble</li> <li>Area of slab upto 0.50 sqm</li> <li>Area of slab over 0.50 sqm</li> <li>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.</li> <li>Extra for providing opening of required size &amp; 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.</li> <li>WOOD AND P.V.C. WORK</li> <li>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&amp; length ( hold fast lugs or dash fastener shall be paid for separately).</li> <li>Second class teak wood</li> <li>Deduct for not providing hinges in doors, windows or clerestory window shutters with :</li> <li>Stainless steel butt hinges with stainless steel screws :</li> <li>For 2nd class teak wood and other class of wood shutters</li> <li>ISI marked M.S. pressed butt hinges bright finished of required size.</li> <li>For 2nd class teak wood and other class of wood shutters</li> <li>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:</li> <li>35 mm thick including ISI marked</li> <li>Stainless Steel butt hinges with necessary screws</li> </ul>	polishing to edges to give high gloss finish etc. complete at all levels.Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marbleArea of slab upto 0.50 sqm32Area of slab over 0.50 sqm52Extra 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.83Extra 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.32WOOD AND P.V.C. WORKProviding 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).0.4Second class teak wood0.4Deduct for not providing hinges in doors, windows or clerestory window shutters with :-121Stainless steel butt hinges with stainless steel screws :-30For 2nd class teak wood and other class of wood shutters-30Wood and tixing 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:282	polishing to edges to give high gloss finish etc. complete at all levels.Image: Complete at all levels.Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble32SqmArea of slab upto 0.50 sqm32SqmArea of slab over 0.50 sqm52SqmExtra 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.83Extra 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.32WOOD AND P.V.C. WORKProviding 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).0.4CumSecond class teak wood0.4CumDeduct for not providing hinges in doors, windows or clerestory window shutters-121SqmStainless steel butt hinges with stainless steel screws :-30SqmFor 2nd class teak wood and other class of wood shutters-30SqmSqmForviding 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 shutt	polishing to edges to give high gloss finish etc. complete at all levels.Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marbleArea of slab upto 0.50 sqm32Area of slab over 0.50 sqm52Extra 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.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 modding, rubbing and polishing of cut edges etc. complete.WOOD AND P.V.C. WORKProviding 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 vish dash fasteners or cleass teak woodSecond class teak wood wood shutters0.4CumCumDeduct for not providing hinges in doors, windows or clerestory window shuttersWiliStainless steel butt hinges with stainless steel screws :For 2nd class teak wood and other class of wood shuttersFor 2nd class teak wood and other class of wood shuttersFor 2nd class teak wood and other class of wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:Stainless Steel butt hinges with necessary screwsStainless Steel butt hinges with necessary screws

	pipe curtain rods with nickel plated brackets :				
6.4.1	20 mm dia (heavy type)	35	Meter		
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.	965	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	32	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	32	Each		
6.8	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	64	Each		
6.9	Providing and fixing chromium plated brass handles with necessary screws etc. complete:				
6.9.1	100 mm	512	Each		
6.10	<ul> <li>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 :</li> </ul>				
6.10.1	250x16 mm	128	Each		
6.11	<ul> <li>Providing and fixing aluminium tower</li> <li>bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868)</li> <li>) transparent or dyed to required colour or shade, with necessary screws etc. complete</li> <li>:</li> </ul>	20.1			
6.11.1	200x10 mm	384	Each		
<u>6.11.2</u> <u>6.12</u>	150x10 mmProviding 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 :	192	Each		
6.12.1	125 mm	320	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				

	52			 
	required colour and shade, with necessary			
	screws etc. complete.			
6.13.1	Twin rubber stopper	96	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)	320	Each	
6.15	Providing and fixing powder coated	64	One Set	
	telescopic drawer channels 300 mm long			
	with necessary screws etc. complete as per			
	directions of Engineer- in-charge.			
7	STEEL WORK			
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	1685	Kg	
	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)			
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,	4117	Kg	
	railings, brackets, gates and similar works			
8	FLOORING			
8.1	Providing and fixing Ist quality ceramic	867	Sqm	
	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.			

	53		
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.	997	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.	-849	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.	849	Sqm
9	FINISHING		
9.1	12 mm cement plaster of mix :		-
9.1.1	1:6 (1 cement: 6 fine sand)	49	Sqm
9.2	15 mm cement plaster on the rough side of single or half brick wall of mix :		
9.2.1	1:6 (1 cement: 6 fine sand)	49	Sqm
9.3	12 mm cement plaster finished with a floating coat of neat cement of mix :		
9.3.1 9.4	1:4 (1 cement: 4 fine sand)Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.	143	Sqm
9.4.1 9.5	12 mm cement plaster 6 mm cement plaster of mix :	166	Sqm
9.5.1	1:3 (1 cement : 3 fine sand)	69	Sqm
9.6	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.		
9.6.1	Two or more coats on new work	3884	Sqm
9.7	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :		
9.7.1	Water thinnable cement primer	3884	Sqm
9.8	Applying priming coat:		
9.8.1	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	2094	Sqm
9.9	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :		

9.9.1	Two or more coats on new work	2094	Sqm	
9.10	Providing and applying white cement	3884	Sqm	
	based putty of average thickness 1 mm, of		1	
	approved brand and manufacturer, over the			
	plastered wall surface to prepare the			
	surface even and smooth complete.			
10	REPAIRS TO BUILDINGS			
10.1	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			
	:			
10.1.1	With cement mortar 1:4 (1 cement : 4 fine	287	Sqm	
	sand)			
10.2	Removing dry or oil bound distemper,	1942	Sqm	
	water proofing cement paint and the like		_	
	by scrapping, sand papering and preparing			
	the surface smooth including necessary			
	repairs to scratches etc. complete.			
10.3	Providing and fixing double scaffolding	489	Sqm	
	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.			
11				
11	DISMANTLING & DEMOLISHING			

	55			
11.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.			
11.1.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	17	Cum	
11.1.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	20	Cum	
11.2	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.	13	Cum	
11.3	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.			
11.3.1	In cement mortar	11	Cum	
11.4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :			
11.4.1	Of area 3 sq. metres and below	320	Each	
11.5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :			
11.5.1	Of area 3 sq. metres and below	32	Each	
11.6	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :			
11.6.1	75 to 80 mm dia pipe	70	Meter	
11.6.2	100 mm dia pipe	100	Meter	
11.7	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :			
11.7.1	15 mm to 40 mm nominal bore	400	Meter	
11.8	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.	32	Each	
11.9	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the	867	Sqm	

	50			
	dumping ground within 50 metres lead.			
11.10	Disposal of building rubbish / malba /	127	Cum	
	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.			
	ints involved.			
12	SANITARY INSTALLATIONS			
12.1	Providing and fixing white vitreous china			
12.1	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			
10.1.1	wherever required :	16	E1-	
12.1.1	W.C. pan with ISI marked white solid	16	Each	
10.0	plastic seat and lid			
12.2	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:			
12.2.1	White Vitreous China Angle back wash	32	Each	
	basin size 400 x 400 mm with single 15			
	mm C.P. brass pillar tap			
12.3	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 :			
12.3.1	Kitchen sink without drain board			
12.3.1.1	610x460 mm bowl depth 200 mm	32	Each	
12.4	Providing and fixing P.V.C. waste pipe for			
	sink or wash basin including P.V.C. waste			
	fittings complete.			
12.4.1	Flexible pipe			
12.4.1.1	32 mm dia	64	Each	
12.5	Providing and fixing 600x450 mm beveled	32	Each	
	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.			
12.6	Providing and fixing 600x120x5 mm glass	32	Each	
12.0	shelf with edges round off, supported on	52	Lati	
	shen whith cuges round on, supported on			

	57			
	anodisedaluminium angle frame with C.P.			
	brass brackets and guard rail complete			
	fixed with 40 mm long screws, rawl plugs			
	etc., complete.			
12.7	Providing and fixing soil, waste and vent			
	pipes :			
12.7.1	100 mm dia			
12.7.1.1	Centrifugally cast (spun) iron socket &	240	Meter	
	spigot (S&S) pipe as per IS: 3989			
12.7.2	75 mm diameter :			
12.7.2.1	Centrifugally cast (spun) iron socketed	104	Meter	
	pipe as per IS: 3989			
12.8	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			
1201	etc. :	1.50		
12.8.1	For 100 mm dia pipe	150	Each	
12.8.2	For 75 mm dia pipe	32	Each	
12.9	Providing and fixing bend of required			
	degree with access door, insertion rubber			
	washer 3 mm thick, bolts and nuts			
12.0.1	complete.			
12.9.1	100 mm dia	22	E - 1	
12.9.1.1	Sand cast iron S&S as per IS - 3989	32	Each	
12.10	Providing and fixing plain bend of required			
12.10.1	degree. 100 mm dia			
12.10.1		32	Each	
12.10.1.1	Sand cast iron S&S as per IS : 3989 75 mm dia	32	Each	
12.10.2		8	Each	
12.10.2.1	Sand cast iron S&S as per IS - 3989Providing and fixing double equal plain	0	Each	
12.11	junction of required degree.			
12.11.1	100x100x100x100 mm			
12.11.1	Sand cast iron S&S as per IS - 3989	18	Each	
12.11.1.1	Providing and fixing single equal plain	10	Lacii	
12.12	junction of required degree with access			
	door, insertion rubber washer 3 mm thick,			
	bolts and nuts complete.			
12.12.1	100x100x100 mm			
12.12.1	Sand cast iron S&S as per IS - 3989	72	Each	
12.12.1.1	Providing and fixing single equal plain	, 2		
14.13	junction of required degree :			
12.13.1	100x100x100 mm			
12.13.1.1	Sand cast iron S&S as per IS - 3989	24	Each	
12.13.1.1	75x75x75 mm	2 <b>-</b> †		
12.13.2	Sand cast iron S&S as per IS - 3989	24	Each	
12.13.2.1	Providing and fixing terminal guard :	<u> ~</u> –	Lati	

12.14.1	100 mm			
12.14.1.1	Sand cast iron S&S as per IS - 3989	12	Each	
12.15	Providing and fixing collar :			
12.15.1	100 mm			
12.15.1.1	Sand cast iron S&S as per IS - 3989	10	Each	
12.16	Providing lead caulked joints to sand cast			
	iron/centrifugally cast (spun) iron pipes			
	and fittings of diameter :			
12.16.1	100 mm	250	Each	
12.16.2	75 mm	36	Each	
12.17	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 :			
12.17.1	100 mm inlet and 100 mm outlet			
12.17.1.1	Sand cast iron S&S as per IS: 3989	96	Each	
12.18	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:			
12.18.1	White vitreous china dual purpose WC pan	16	Each	
	with white solid plastic seat and lid with			
	white vitreous china flushing cistern and			
	C.P. flush bend.			
13	WATER SUPPLY			
13.1	Providing and fixing G.I. pipes complete			
	with G.I. fittings and clamps, i/c cutting			
	and making good the walls etc.			
	Internal work - Exposed on wall	076		
13.1.1	20 mm dia nominal bore	976	Meter	
13.2	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			
	corrosivebitumastic paint, cutting chases			
13.2.1	and making good the wall : 15 mm dia nominal bore	480	Meter	
13.2.1	Providing and fixing G.I. pipes complete	400	IVICICI	
13.3	with G.I. fittings including trenching and			
	refilling etc.			
	External work			
13.3.1	25 mm dia nominal bore	192	Meter	
10.0.1		1/4	1110101	

	59			
13.4	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 :			
13.4.1	25 to 40 mm nominal bore	12	Each	
13.5	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :			
13.5.1	20 mm nominal bore	32	Each	
13.6	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :			
13.6.1	25 mm nominal bore	12	Each	
13.7	Providing and fixing uplasticised PVC connection pipe with brass unions :			
13.7.1	45 cm length			
13.7.1.1	15 mm nominal bore	96	Each	
13.8	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 :			
13.8.1	20 mm diameter pipe	976	Meter	
13.9	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the	710	wieter	
	pipe and making long screws etc. complete (New work) :			
13.9.1	15 mm nominal bore	64	Each	
13.9.2	20 mm nominal bore	128	Each	
13.9.3	25 mm nominal bore	32	Each	
13.10	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, 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.	16000	Per liter	
13.11	Cutting holes up to 30x30 cm in walls including making good the same:			
13.11.1	With common burnt clay F.P.S. (non modular) bricks	160	Each	
13.12	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.	64	Each	
14	DRAINAGE			
14.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff			

	60			
	mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :			
1 4 1 1		20		
14.1.1	100 mm diameter	30	Meter	
14.2	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 :			
14.2.1	100 mm diameter S.W. pipe	30	Meter	
14.3	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:			
14.3.1	100x100 mm size P type			
14.3.1.1	With common burnt clay F.P.S. (non	15	Each	
	modular) bricks of class designation 7.5			
14.4	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 :			
14.4.1	100 mm diameter	20	Meter	
14.5	Constructing brick masonry manhole in			
1 110	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			
1451	design :			
14.5.1	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			
14511	weight of frame 15 kg):	4	E- 1	
14.5.1.1		4	Each	

	61			
14.6	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.			
1461	complete :	0	Eash	
14.6.1 <b>15</b>	For pipes 100 to 250 mm diameter ALUMINIUM WORK	8	Each	
15.1	Filling the gap in between aluminium			
1011	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.			
15.1.1	Upto 5mm depth and 5 mm width	279	Meter	
16	WATER PROOFING			
16.1	Providing and laying APP (Atactic			
	Polypropylene Polymer) modified			
	prefabricated five layer 3 mm thick water			
	proofing membrane, black finished			
	reinforced with non-woven polyester matt			
	consisting of a coat of bitumen primer for			
	bitumen membrane @ 0.40 litre/sqm by the			
	same membrane manufacture of density at $25\%$ 0.87 0.80 kg (litra and arises site 70)			
	25°C, 0.87-0.89 kg/ litre and viscocity 70-			
	160 cps. Over the primer coat the layer of			
	membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the			
	surface complete. The vital physical and			
	chemical parameters of the membrane shall			
	be as under : Joint strength in longitudinal			
	and transverse direction at $23^{\circ}$ C as $650/$			
	450N/5cm. Tear strength in longitudinal			
	and transverse direction as 300/250N.			
	Softening point of membrane not less than			
	150°C. Cold flexibility shall be upto -2°C			
	when tested in accordance with ASTM, D -			
	5147. The laying of membrane shall be got			
	done through the authorised applicator of			
	the manufacturer of membrane :			
16.1.1	3 mm thick	400	Sqm	
17	NON SCHEDULE ITEMS			
17.1	Providing and fixing cup board shutters	232	Sqm	
	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.			

	62		
17.2	Providing and fixing cup board inside shelves, sides, back portion, drawers etc. with 18-19mm thick commericial 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.)	559	Sqm
17.3	Hacking of existing floor (to make rough) for making base for laying floor tiles as per directions of Engineer-In-Charge.	1274	Sqm
17.4	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.	173	Sqm
17.5	Providing and fixing GI tank Nipple of approved make in PVC tanks as per directions of Engineer-In-Charge. 15 mm nominal bore	32	Each
17.6	<ul> <li>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).</li> <li>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</li> </ul>	128	Meter
17.7	<ul> <li>Holder, Finials and rings.</li> <li>Taking out of existing Chinaware fittings like Urinal basin, European W.C., IWC and Wash basin etc. including disposal of unserviceable material as per directions of Engineer-In-Charge.</li> </ul>	64	Each
17.8	Fixing of C.P. brass stop cock (concealed) of standard design as per directions of Engineer-In-Charge conforming to IS:8931. C.P. fittings will be provided free of cost departmentally. (Make: Jaquar/Marc/Kohler) 15mm nominal bore	64	Each

	63			
17.9	Fixing of C.P. towel rod with brackets fixed to wooden cleats with C.P. brass screws complete. C.P. fittings will be provided free of cost departmentally.	32	Each	
17.10	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) C.P. fittings will be provided free of cost departmentally.	128	Each	
17.11	15mm nominal boreFixing of C.P. Brass bib cock (Short body)of approved quality complete as per thedirections of Engineer in-charge. (Make:Jaquar/Marc/Kohler) C.P. fittings will beprovided free of costdepartmentally. 15mm nominal bore	64	Each	
17.12	<ul> <li>Fixing of C.P. brass angle valve/angular</li> <li>stop cock for wash basin and geyser and</li> <li>WC points of approved quality complete as</li> <li>per the direction of Engineer in-charge.</li> <li>(Make:Jaquar/Marc/Kohler). C.P. fittings</li> <li>will be provided free of cost</li> <li>departmentally. 15mm nominal bore</li> </ul>	192	Each	
17.13	Fixing of C.P. brass shower head with arm complete as per the direction of Engineer in-charge. C.P. fittings will be provided free of cost departmentally. (Make: Jaquar/Marc/Kohler) 15mm nominal bore	32	Each	
17.14	Fixing of C.P. brass wall mixture tap of approved quality complete as per the direction of Engineer in-charge. (Make:Jaquar/Marc/Kohler). C.P. fittings will be provided free of cost departmentally. 15mm nominal bore	32	Each	
17.15	<ul> <li>Fixing of gun metal gate valve with C.I.</li> <li>wheel of approved quality complete as per directions of Engineer-In-Charge.</li> <li>(Make: Zoloto/Leader/Sant)</li> <li>Gate valve will be provided free of cost departmentally.</li> </ul>	32	Each	
	20mm nominal bore			

	64			
17.16	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. (a) Stainless steel (grade 304) 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.)	67	Sqm	
17.17	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.	32	Each	
17.18	Extra for Providing and Laying R.C.C. 1:1.5:3 (1 Cement: 1.5 Coarse sand : 3 graded stone agggregate 20 mm nominal size) instead of 1:2:4 (1 Cement: 2 Coarse sand : 4 graded stone agggregate 20 mm nominal size) up to floor V level and as per directions of Engineer-In-Charge	5	Cum	
17.19	<ul> <li>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: -</li> <li>(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</li> </ul>	124	Sqm	

painted with primer coat of Epoxy primer of 5-7 micron thick, finish painted with 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.       72       Sqm         17.20       For payment purpose complete window frame area will be measured.       72       Sqm         17.20       Providing and fixing window' ventilator glazed shutters fabricated from 0.88mm thick roll formed sections made of gulvanized stel colour coated, base stel as per 15s 137° quality, galvanized as per IS 277 with zinc of 120grams per sqm. with specifications of glazed shutter as below: - Glazed shutters - The section for glass shutter frame should be 47 X 20mm which should be cut to length and mitered jointed with Polyproylene 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 Privor Hinges. Each glass shutter should be provided with       a)         a) Polypropylene handle: - 1 No.       b) Aluminium Powder Coated Peg Stay - 1 No.       b)         Colour coated Paint specification: - All above sections for frame and shutters will be colour coated/ pre-painted with primer coat of Epoxy primer 05-77 micron thick, finish painted with 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 payment of section of Engineer-in-charge.       For payment purpose glazed shutter area will be measured (The payment of glass		05			
17.20       Providing and fixing window/ ventilator       72       Sqm         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: -         Glazed shutters - The section for glass       shutter frame should be 47 X 20mm which       shutter         shuter frame should be 47 X 20mm which       shutter       shuter       sin and mitreed 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       a) Polypropylene Handle – 1 No.       b) Aluminium Powder Coated Tower Bolt       3" - 2 Nos.         c) Aluminium Powder Coated Peg Stay – 1       No.       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 </td <td></td> <td><ul> <li>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.</li> <li>Complete as per manufacturer's specifications and as per the direction of Engineer-in-charge.</li> <li>For payment purpose complete window</li> </ul></td> <td></td> <td></td> <td></td>		<ul> <li>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.</li> <li>Complete as per manufacturer's specifications and as per the direction of Engineer-in-charge.</li> <li>For payment purpose complete window</li> </ul>			
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: - 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/Smm 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 a) Polypropylene Handle – 1 No. b) Aluminium Powder Coated Tower Bolt 3" - 2 Nos. c) Aluminium Powder Coated Peg Stay – 1 No. Colour coated Paint specification: - All above sections for frame and shutters will be colour coated Paint specification: - All above sections for frame and shutters will be colour coated of 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		frame area will be measured.			
nanes will made separately in respective	17.20	<ul> <li>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: -</li> <li>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</li> <li>a) Polypropylene Handle – 1 No.</li> <li>b) Aluminium Powder Coated Tower Bolt 3"- 2 Nos.</li> <li>c) Aluminium Powder Coated Peg Stay – 1 No.</li> <li>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.</li> <li>Complete as per manufacturer's specifications and as per the direction of Engineer-in-charge.</li> <li>For payment purpose glazed shutter area will be measured (The payment of glass</li> </ul>	72	Sqm	
pares with made separately in respective		panes will made separately in respective			

	00				
	item.				
17.21	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: -	72	Sqm		
	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				
	<ul> <li>a) Polypropylene Handle – 1 No.</li> <li>b) 3" Aluminium Powder Coated Tower Bolt – 2 Nos.</li> </ul>				
	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 wire mesh shutter area will be measured.				
17.22	Providing and fixing glazing in 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. With float glass panes of 4.0 mm	97	Sqm		
17.23	thickness           Finishing walls with Premium Acrylic	3000	Sqm		
	✓ ✓	I		1	1

	67			
	Smooth exterior paint with Silicone additives of required shade :			
	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)			
17.24	<ul> <li>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 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. 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. 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)</li> </ul>	95	Sqm	
17.25	Providing and fixing 100mm C.P. grating with or without hole for nahani trap/floor trap of approved make and as per directions of Engineer-In-Charge.	96	Each	
17.26	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.	32	Each	
17.27	Providing a Computer Operator cum typist for utilization of computer installed in the office of the Assistant Executive Engineer during the office hours for day to day work on 22 working days in a month. The person to be employed for this job should have working experience of M.S. Word, M.S. Excel & Esta (The rate should be quoted inclusive of all satutory payments & all other applicable Government taxes if any).	12	Month	

17.28	Providing the services of office Peon cum Attendant / Helper in the office of the Assistant Executive Engineer or Junior Engineer during the office hours for day to day work on 22 working days in a month. (The rate should be quoted inclusive of all satutory payments & all other applicable Government taxes if any). 5 days per week or 22 days in a month.	264	Per Day	
17.29	Providing & fixing broken pieces of glazed tiles on APP waterproofing treatment with bitumen of grade 80/100 and joint filled with cement mortar 1:3 (1 cement : 3 coarse sand) mixed with waterproofing compund @2% of mortar as per manufacture specification and complete as per directions of Engineer-In-Charge.	400	Sqm	

Total (A)-

<b>B- Electrical Worl</b>
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S.N.	Description	Qty	Unit	Rate	Amount
1	<ul> <li>Wiring for light point/C.fan point/ exhaust fan point/ call bell point</li> <li>with 1.5sq.mm FRLS PVC insulated</li> <li>copper conductor single/ multi core</li> <li>cable in surface/ recessed steel</li> <li>conduit, modular type switch,</li> <li>modular plate, suitable size GI box</li> <li>&amp;earthing the point with 1.5sq.mm.</li> <li>FRLS PVC insulated copper</li> <li>conductor single core etc as reqd.</li> <li>Group A</li> </ul>	384	Points		
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.	32	Points		
3	Wiring for light/ power plug with 2X4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as reqd.	850	Meter		
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.	384	Meter		

D'Man/AEE(C)

5a	<ul> <li>Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as reqd.</li> <li>2 X 2.5 sq.mm + 1 X 2.5 sq.mm earth wire</li> </ul>	405	Meter	
5b	$2 \times 6$ sq. mm + $1 \times 6$ sq. mm earth wire	365	Meter	
5c	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	160	Meter	
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.			
6a	3 x 2.5 sq. mm	80	Meter	
6b	3 x 4 sq. mm	100	Meter	
6c	6 x 4 sq. mm	95	Meter	
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 switch, connection etc. as reqd.	96	Nos.	
8	Supplying & fixing suitable size GI box with modular plate & cover in front on surface or in recess, including providing & fixing 6 pin 5/6 & 15/16 amps modular socket outlet & 15/16 amps modular switch, connection etc. as reqd.	96	Nos.	
9	Supplying & fixing stepped type 2 module electronic fan regulator on the existing modular plate switch box including connections etc. as reqd.	64	Nos.	
10	Supplying & fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.			
10a	1 or 2 Module (75 mm x 75 mm)	32		
10b	b. 8 Module (125 mm x 125 mm)	12	Nos.	
10c	c. 12 Module (200 mm x 150 mm)	12	Nos.	
11	Supplying & fixing following type switch/ socket on the existing plate & switch box/ channel including connections etc. as reqd.			

		/1		
11a	5/6 amps modular switch	96	Nos.	
11b	15/16 amps switch.	2	Nos.	
11c	3- pin 5/6 amps socket outlet.	64	Nos.	
12	Supplying & fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as reqd.	32	Nos.	
13	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	50	Nos.	
14	Supplying & fixing brass batten/ angle holder including connection etc. as reqd.	160	Nos.	
15	Erection of wall bracket/ ceiling fittings of all sizes & shapes containing upto two GLS lamps per fitting, complete	64	Nos.	
16	Installation, testing & commissioning of LED light fitting of all types, with all accessories & tube etc. directly on ceiling/ wall, including connection with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable&earthing etc. as reqd.	96	Nos.	
17	Installation, testing & commissioning of ceiling fan, including wiring the down rods of standard length (upto 30cm)with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable etc. as reqd.	64	Nos.	
18	Supply of fancy light fitting omplete with glass shade as required. (Make- SK-3/ SK-5)	64	Nos.	
19	Supplying of 20 watt, 1200mm (±6%) length 6000k, wall mounted LED fitting complete with LED tube & electronic driver etc as required. Make- Wipro Code No-D532265/ Havells LHEWEBP71N1W020 / Philips.	96	Nos.	
20	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- Crompton High Speed/ HavellS Velocity /Usha	64	Nos.	

		72		
	Striker)			
21	Supply of 12 watt surface mounted squareshape 6000k, LED light fitting complete with LEDs as required. Make - Wipro Code No- D631265 / Havells / Philips	8	Nos.	
22	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	32	Nos.	
23	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.	32	Nos.	
24	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. a. Single pole.	192	Nos.	
25	Supplying and fixing 63amps, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.	32	Nos.	
26	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	32	Nos.	
27	Supplying and fixing of 25 mm dia. PVC conduit along with accessories on surface/ recess i/c cutting the wall, making good the same in case of recessed conduit as required. (Make – AKG /Setia /Polypeck I.S.I. Mark.)	250	Meter	

		73		
28	Supplying and drawing 2.0 pair 0.5 sq mm FRLS PVC insulated copper cond. Unarmored telephone cable in the existing surface/ recessed PVC conduit as required. (Make -Delton / Finolex / Havells )	315	Meter	
29	Supplying and fixing 75mmx75mm (2 modules) size G.I box with modular plate and cover in front on surface or in recess i/c. pdg& fixing 2 nos. RJ-11 socket out let, Connection etc as required. (Make – Anchor Roma / Legrand / Northwest)	32	Sets	
30	Supplying, of LED based 60 watt Street Light Fittings, with high efficiency CNC controlled designed optical reflector/ street light lenses for each LED for proper light distribution having single piece pressure die cast aluminium housing with built in heat sinks. The housing shall have two compartments, one for LED tray & other for LED driver & mains cable entry. The optical & electrical compartments, should be sealed with silicon Gasket, toughened Glass and shall confirm to IP 66 protection & fixing with suitable size L type bracket, testing & commissioning as required. a. 60watt, 110 to 270V ac, 50Hz. b. total luain output = 6000 lumins.	4	Nos.	

Total (B)-

## **DISMENTLED ITEMS**

# **C-Credit for Dismentled Item**

S.N.	<b>Description</b> (Civil Items)	Qty	Unit	Rate	Amount
1	G.I. Pipe 15 m to 40 mm dia	400	Meter		
2	C.I. Pipe upto 100 mm dia including fittings	170	Meter		
3	PVC cistern of any size	32	Each		
4	M.S. iron frames and M.S. bars	1000	Kg		
5	Flush door shutters of various thickness with fittings	128	Each		
6	wooden glazed/ wire gauge shutters various thickness with fittings	68	Sqm		
7	old PVC tanks of various capacity	9000	Liter		
8	Brass stop cock of variuos size	64	Each		
9	Brass bib cock of various size	64	Each		
	Electrical Items.				
10	Dismentaled old M.S. box with	48	Kg		
	backelite sheet of different size.	10			
11	Dismentaled of old 1 X 40 W fitting.	40	Nos.		
12	Dismantaled of old ceiling fan of 1200mm/ 1400mm size	40	Nos.		
13	Dismantaled of old fancy light with glass shade.	40	Nos.		
14	Dismantaled of old Aluminium / Copper wire.	48	Kg.		
15	Dismantaled of old SPN Dis. Board.	32	Nos.		
16	Dismantaled of old DP Isolator.	32	Nos.		
17	Dismantaled of old. SP MCB.	100	Nos.		
18	Dismantal of old 5A switch.	300	Nos.		
19	Dismantal of old 5A socket.	60	Nos.		
20	Dismantal of old 15A switch.	60	Nos.		
21	Dismantal of old 15A socket.	60	Nos.		
22	Dismantal of old fan regulator.	48	Nos.		

### Total Value of Dismenteled items (C) –

Grand Total (A+B-C) -