Government eProcurement System

eProcurement System Government of India

Tender Details

Date : 06-Nov-2026 12:49 PM

Print

Basic Details

Organisation Chain	National Institute of Technology Tiruchirappalli		
Tender Reference Number	Hostel_Cvl_AMC/Tender/26-27/01		
Tender ID	2026_NITT_933037_1	**Withdrawal Allowed**	Yes
Tender Type	Open Tender	**Form of contract**	Works
Tender Category	Works	**No. of Covers**	3
General Technical Evaluation Allowed	No	**ItemWise Technical Evaluation Allowed**	No
Payment Mode	Offline	**Is Multi Currency Allowed For BOQ**	No
Is Multi Currency Allowed For Fee	No	**Allow Two Stage Bidding**	No

Payment Instruments

Offline	S.No	Instrument Type
	1	Direct Credit

Cover Details, No. Of Covers - 3

Cover No	Cover	Document Type	Description
1	Fee	.pdf	EMD (Earnest Money Deposit)
		.pdf	Bid Security Form (Annexure 7)
2	PreQual/Technical	.pdf	Declaration by the firm that it has never been black-listed
		.pdf	Details to be furnished by the Contractor. (Tender Document Pg. No.14)
		.pdf	Other Important Documents. (Combined Copy)
		.pdf	Technical Bid
		.xls	Technical Bid
		.pdf	Details of similar works executed with Govt dept/reputed pvt Ltd, co or edu inst/uni for past 7 year
3	Finance	.xls	Price Bid (BoQ)
		.pdf	Scanned copy of item wise breakup of price bid

Other Important Documents

S.No	Category	Sub Category	Sub Category Description	Format/File

1	Certificate Details	Permanent Account Number	Permanent Account Number Details	
2	Certificate Details	Registration Certificate	Registration Certificate Details	
3	Certificate Details	Bidders Address Format	Bidders Address Format Details	
4	Certificate Details	Provident Fund Certificate	Provident Fund Certificate	
5	Certificate Details	Employees State Insurance Certificate	Employees State Insurance Certificate	
6	Certificate Details	GST Registration Certificate	GST Registration Certificate	
7	Financial Details	Audited Profit and Loss Account and Balance Sheet Details for last 3 Years	Audited Profit and Loss Account and Balance Sheet Details for last 3 Years	

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	**Fee Payable At**	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	2,93,700	**EMD Exemption Allowed**	No
EMD Fee Type	fixed	**EMD Percentage**	NA
EMD Payable To	AS PER TENDER DOCUMENT	**EMD Payable At**	AS PER TENDER DOCUMENT

Click to view modification history

Work /Item(s)

Title	Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy				
Work Description	Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	No				
Tender Value in ₹	0.00	**Product Category**	Miscellaneous Works	**Sub category**	NA
Contract Type	Tender	**Bid Validity(Days)**	180	**Period Of Work(Days)**	365
Location	NIT, TIRUCHIRAPPALLI	**Pincode**	620015	**Pre Bid Meeting Place**	Hostel Office, National Institute of Technology
Pre Bid Meeting Address	Hostel Office, National Institute of Technology, Trichy	**Pre Bid Meeting Date**	13-Nov-2026 11:00 AM	**Bid Opening Place**	STORES AND PURCHASE SECTION
Should Allow NDA Tender	No	**Allow Preferential Bidder**	No		
Tenderer Class	As per Tender Document				

Critical Dates

Publish Date	06-Nov-2026 04:00 PM	**Bid Opening Date**	30-Nov-2026 04:00 PM
Document Download / Sale Start Date	06-Nov-2026 04:00 PM	**Document Download / Sale End Date**	27-Nov-2026 04:00 PM
Clarification Start Date	06-Nov-2026 04:00 PM	**Clarification End Date**	20-Nov-2026 04:00 PM
Bid Submission Start Date	06-Nov-2026 04:00 PM	**Bid Submission End Date**	27-Nov-2026 04:00 PM

Tender Documents

NIT Document

S.No	Document Name	Description	Document Size (in KB)
1	Tendernotice_1.pdf	Tender Notice	309.15

Work Item Documents

S.No	Document Type	Document Name	Description	Document Size (in KB)
1	BOQ	BOQ_980503.xls	BoQ	307.50
2	Additional Documents	tech.xls	TECHNICAL	42.00
3	Tender Documents	tender.pdf	Tender Document	3679.65

Auto Extension Corrigendum Properties for Tender

Iteration	No. of bids required for bid opening a tender	Tender gets extended to No. of days
1.	3	7
2.	3	5

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	milton@nitt.edu	Milton B	B MILTON
2.	chandrang@nitt.edu	HEMACHANDRAN G	HEMACHANDRAN G
3.	askumar@nitt.edu	Ashok Kumar	A S Ashok Kumar

Tender Properties

Auto Tendering Process allowed	No	**Show Technical bid status**	Yes
Show Finance bid status	Yes	**Stage to disclose Bid Details in Public Domain**	Technical Bid Opening
BoQ Comparative Chart model	Normal	**BoQ Compartive chart decimal places**	2
BoQ Comparative Chart Rank Type	L	**Form Based BoQ**	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	
2	MSEs Order 2012	Agree	

Tender Inviting Authority

Name	THE CONVENER, HOSTEL OFFICE
Address	THE CONVENER, HOSTEL OFFICE, NIT, TRICHY

Tender Creator Details

Created By	Ravula Chandrashekar
Designation	Assistant Registrar
Created Date	04-Nov-2026 12:41 PM

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI -620 015.

HOSTEL ADMINISTRATION COMMITTEE

Web: www.nitt.edu **Email: hac@nitt.edu** **Phone: 0431-2504135**

e-Procurement Notice

Ref: NITTH/Hostel_Civil_AMC/Tender/2026-27/01 **Dated: 06.11.2026**

Online tenders are hereby invited in **Two Bid System** from eligible interested bidders for **Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy.** Bidders can download complete set of bidding documents from e- procurement Platform https://eprocure.gov.in/eprocure/app from **06.11.2026** onwards. Bidders need to submit the bids online for the interested items by uploading all the required documents through https://eprocure.gov.in/eprocure/app.

Last Date/ Time for receipt of bids through e-procurement is: 27.11.2026 (16:00 Hrs) (Server time). Late bids shall not be accepted.
For further details regarding Tender Notification & Specifications please visit website:
https://eprocure.gov.in/eprocure/app and www.nitt.edu

CRITICAL DATE SHEET

Published Date	**06.11.2026 (16:00 Hrs)**
Bid Document Download Start Date	**06.11.2026 (16:00 Hrs)**
Clarification Start Date	**06.11.2026 (16:00 Hrs)**
Clarification End Date	**20.11.2026 (16:00 Hrs)**
Pre-Bid Meeting Date	**13.11.2026 (11:00 Hrs)**
Bid Submission Start Date	**06.11.2026 (16:00 Hrs)**
Bid Submission End Date	**27.11.2026(16:00 Hrs)**
Bid Opening Date (Technical)	**30.11.2026(16:00 Hrs)**
Bid Opening Date (Price)	Will be announced after technical evaluation (After evaluation of technical bids, the price bid will be opened only for technically qualified bidders in e-Tender)

***Note:** Bidder should submit the EMD as specified in the tender. The hard copy should be posted / couriered / deposit in person to the Central Dispatch section / Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the instrument should be uploaded as part of the offer.*

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI -620 015.

HOSTEL ADMINISTRATION COMMITTEE

Web: www.nitt.edu **Phone: 0431-250 4135**

Tender Document **(e - Procurement)**

Name of Work/ Service	**Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy.**
Tender Notification No	NITTH/Hostel_Civil_AMC/Tender/2026-27/01
Date	06.11.2026
Name of the Department	Hostel Administration Committee (HAC)
EMD Amount	Rs.2,93,700/-
Last Date & Time of submission of Tender	27.11.2026(16:00 Hrs)
Address for submission of Tender	The Chief Warden, Hostel Office, National Institute of Technology-Tiruchirappalli Hostels (NITTH), Trichy – 620 015. KIND ATTENTION TO: The Convener, Hostel Office.
Date & Time of opening of technical bid	30.11.2026(16:00 Hrs)

Earnest Money Deposit (EMD) Details	
1. The bids submitted without EMD will be treated as non-responsive and will be rejected. EMD shall bear no interest. 2. Bidder must fill the EMD returning Form and submit in fee document. 3. EMD will be returned to the unsuccessful Bidder(s) as per the purchase norms. 4. The EMD shall be forfeited if any Bidder withdraws the offer before finalization of the tender.	
EMD amount	**Rs.2,93,700/-**
Demand Draft in favor of	**The Chief Warden, Hostel Office, NIT Tiruchirappalli.**

IMPORTANT INSTRUCTIONS TO THE PROSPECTIVE BIDDERS/VENDORS:

Beware of fraudulent calls/messages from unauthorized person(s) demanding money in the form of EMD/ Security Deposit in order to influence the award of contract. NITTH will not be responsible for the same.

For reporting of any such incidents, you may feel free to contact:

Stores and Purchase Section

Email: stores@nitt.edu

Ex. No: +91-431-250-3963/3961/3956

Detailed Circular is attached in the web link below:

https://www.nitt.edu/home/other/tenders/Instructions_to_bidders.pdf

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Bidding Procedures

Section I: Instructions for Online Bid Submission

Instructions to the Bidders to submit the bids online through the Central Public Procurement Portal for e Procurement at https://eprocure.gov.in/eprocure/app.

1. Possession of valid Digital Signature Certificate (DSC) and enrollment / registration of the contractors / bidders on the e-Procurement/e-tender portal are prerequisite for e-tendering.
2. Bidder should register for the enrollment in the e-Procurement site using the "Online Bidder Enrollment" option available on the home page. Portal enrollment is generally free of charge. During enrollment / registration, the bidders should provide only valid and true information including valid E-mail id. All the correspondence shall be made directly with the contractors/bidders through E-mail id as registered.
3. Bidder need to login to the site through their user ID / password chosen during enrollment / registration.
4. Then the Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY / TCS / nCode / eMudra or any other Certifying Authority recognized by Controller of Certifying Authorities (CCA) India on eToken / Smartcard, should be registered.
5. The registered DSC only should be used by the bidder in the transactions and should ensure safety of the same.
6. Contractor / Bidder may go through the tenders published on the site and download the tender documents/schedules for the tenders.
7. After downloading / getting the tender document/schedules, the Bidder should go through them carefully and then submit the documents as required, otherwise bid will be rejected.
8. Any clarifications may be sought online through the tender site, through the contact details or during pre-bid meeting if any. Bidder should take into account the corrigendum if any published before submitting the bids online.
9. Bidder may log in to the site through the secured login by the user id / password chosen during enrolment / registration and then by submitting the password of the e-Token / Smartcard to access DSC.
10. Bidder may select the tender in which he / she is interested in by using the search option and then move it to the 'my tenders' folder.
11. From my tender folder, he / she may select the tender to view all the details uploaded there.
12. It shall be deemed that the bidder has read and understood all the terms and conditions before submitting the offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the incomplete bid shall stand rejected.
13. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and ordinarily it shall be in PDF /xls / rar / jpg / dwf formats. If there is more than one document, all may be clubbed together and provided in the requested format. Bidders Bid documents may be scanned with 100 dpi with black and white option. It is advisable that each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip / rar and the same if permitted may be uploaded. The file size being less than 1

MB the transaction uploading time will be very fast.

14. The Bidders can update well in advance, the documents such as certificates, annual report details etc., under "My Space option" and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission process faster by reducing upload time of bids.

15. Bidder should submit the Tender Fee / EMD as specified in the tender. The hard copy should be posted / couriered / given in person to the Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the instrument should be uploaded as part of the offer.

16. The bidder has to select the payment option as offline to pay the Tender FEE / EMD as applicable and enter details of the instruments.

17. The details of the DD / any other accepted instrument, physically delivered, should tally with the details available in the scanned copy and the data entered during bid submission time, otherwise submitted bid shall not be acceptable or liable for rejection.

18. While submitting the bids online, the bidder shall read the terms and conditions and may accept the same to proceed further to submit the bid packets.

19. The bidder has to digitally sign and upload the required bid documents one by one as indicated. Very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read, understood and agreed with all clauses of the bid document including General conditions of contract without any exception.

20. The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid may be rejected.

Section II: PRICE BID

21. If the price bid format is provided in a spread sheet file like BoQ_xxxxx.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Priced-bid / BOQ template shall not be modified / replaced by the bidder; else the bid submitted is liable to be rejected for the tender.

22. The bidders are advised to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission due date and time (as per Server System Clock). The TIA shall not be held responsible for any delay or the difficulties faced during the submission of bids online by the bidders.

23. The time settings fixed in the server side and displayed at the top of the tender site, shall remain valid for all actions of requesting, bid submission, bid opening etc., in the e-Tender system. The bidders should follow such time during bid submission.

Section III: EVIDENCE FOR ONLINE BID SUBMISSION

24. After the bid submission (i.e. after Clicking "Freeze Bid Submission" in the portal), the acknowledgement number indicated by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and also be used as entry pass to participate in the bid opening.

25. All the data being entered by the bidders would be encrypted using Public Key Infrastructure (PKI) encryption techniques to ensure the secrecy of the data. The data entered is not retrievable by unauthorized persons during the bid submission and until the time of bid opening by any person.

26. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption

using buyers/bid openers' public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

27. The confidentiality of the bids is maintained with the use of Secured Socket Layer (SSL) 128-bit encryption technology. Data storage encryption of sensitive fields is done.

28. The bidder should logout of the tendering system using the normal logout option available at the top right-hand corner and not by selecting the (X) exit option in the browser.

29. For any queries regarding e-Tendering process, the bidders may contact at address as provided in the tender document. Parallelly for any further queries, the bidders are advised to contact over phone: **1-800-233-7315, 0120-4001005** or send an E-mail to cppp-nic@nic.in.

*****

PART-A

TECHNICAL BID

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 15
HOSTEL ADMINISTRATION COMMITTEE

Web: www.nitt.edu **Phone: 0431 –250 4135**

TENDER DOCUMENT
(TECHNICAL BID)

Name of work	**:**	**Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy.**
Value of work	**:**	**Rs.97,88,100/- (Incl. GST)**
Tender Enquiry No.	**:**	**NITTH/Hostel_Civil_AMC/Tender/2026-27/01 Dt: 06.11.2026**
Period of Contract	**:**	**12 Months (Extendable for 2 years on yearly basis or part thereof months based on performance)**

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI -620 015.

HOSTEL ADMINISTRATION COMMITTEE

NOTICE INVITING TENDER

01.	Name of work	**Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy.**
02.	Estimated Cost	**Rs.97,88,100/- (Incl. GST @ 18%)**
03.	Earnest Money Deposit (Refundable)	**Rs.2,93,700/-** (Two lakhs ninety-three thousand seven hundred only) *To be remitted through Demand Draft drawn in favor of the Chief Warden, NITTH.
04.	Period	**12 Months** upon completion of the initial 12-month period, the contract may be extended for an additional two years on yearly basis or part thereof months subject to satisfactory performance and at the sole discretion of NITTH.
05.	Cost of Tender Document	**NIL**
06.	Last Date and Time for submission of E-Tender	**27.11.2026(16:00 Hrs)** (Server time). Late bids shall not be accepted.
07.	Date and Time of Pre-Bid Meeting	**13.11.2026 (11:00 Hrs).** (Venue: Hostel Office, National Institute of Technology, Tiruchirappalli-620015)
08.	Date and Time of Opening of Technical Bid	**30.11.2026(16:00 Hrs)** (Venue: Stores and Purchase Section, National Institute of Technology, Tiruchirappalli-620015)
09.	Date and Time of Opening of Financial Bid	Following the evaluation of technical bids, the technical evaluation will be uploaded on the CPP portal. The financial bids will be opened only for those bidders who qualify. No separate intimation will be sent.
10.	Address for submission of Demand Draft	**The Chief Warden,** **Hostel Office,** **National Institute of Technology-Tiruchirappalli Hostels (NITTH),** **Trichy – 620 015.**
11.	Procedure for submission of Bid	**E-TENDER** Through Central Public Procurement Portal (CPPP) https://eprocure.gov.in/eprocure/app

CHECKLIST

(Must be filled and attached)

Check list to evaluate the capability of the tenderer qualifying for price bid opening.

Sl.No	Description / Requirement from the tenderer	Tenderer's response should be clear, firm, complete & legible. If necessary, separate sheet shall be used.
1	Name & Complete address of the tenderer with contact details: Mobile No/ Email ID:	
2 (a)	Details of EMD Demand Draft no: Amount Rs.: Bank details: (Bids without EMD will be summarily rejected)	
2 (b)	MSME/NSIC Registration No: Company Name & Address: Validity: Product for which registered:	
3	Status of the tenderer: Proprietorship / Partnership / Private Limited. / Public Limited	
4	Details of Contract Registration with Govt. depts. Class and value	
5 (a)	Details of PAN	
5 (b)	Employees provident fund Registration:	
5 (c)	Employees State Insurance Registration:	
5 (d)	GST Registration:	
5 (e)	Labour license	
6	Copy of Income Tax Return for the last 5 financial years.	
7	Details of similar works executed with Central/State Government / Central/State Autonomous Bodies / Public Sector Undertaking/Private limited company /Reputed Education Institute during last 7 years	Use separate sheet to furnish complete details

Note: Self-Attested copy of relevant certificates for items 2(b)-7 are to be enclosed

- ✓ I/We hereby certify that the information furnished above and the attached documents as proof of the information are true and correct to the best of our knowledge.
- ✓ I/We understand that these details are required to decide our eligibility to participate in the tender process and opening of our price bid thereon.
- ✓ I/We also authorize the Chief Warden / NITTH or his representative of NITTH to approach the source of the certificate to verify our competence, if required, for processing the tender.

	NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI -620 015.
	HOSTEL ADMINISTRATION COMMITTEE

NOTICE INVITING TENDER

Tender Notification No: **NITTH/Hostel_Civil_AMC/Tender/2026-27/01** **Dt: 06.11.2026**

National Institute of Technology, Tiruchirappalli – Hostel, invites E - tender, in **Two Bid System (EMD Fee, Technical Bid and Financial bid) upto 16:00 Hrs on 06.11.2026** following work:

Name of the Work	EMD	Period
Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy.	**Rs.2,93,700/-**	**12 Months** upon completion of the initial 12-month period, the contract may be extended for an additional two years on yearly basis or part thereof months subject to performance and at the sole discretion of NITTH.

I. ELIGIBILITY CRITERIA: -

i) Contractors who fulfill the following criteria are eligible to submit the tender. Experience of having successfully completed similar Civil Annual Repair / Maintenance works during the last 7 (Seven) years ending last day of the month previous to the one in which tender is invited (i.e.31-10-2026) that should be either of the following:

a) **Three similar works** (at least one of them should be for Central/State Government / Central/State Autonomous Bodies / Public Sector Undertaking/Private limited company /Reputed Education Institute) each annual value not less than **Rs.39,15,240/- (40%)**

Or

b) **Two similar works** (at least one of them should be for Central/State Government / Central/State Autonomous Bodies / Public Sector Undertaking/Private limited company /Reputed Education Institute) each annual value not less than **Rs.48,94,050/- (50%)**

Or

c) **One similar work** (Central/State Government / Central/State Autonomous Bodies / Public Sector Undertaking/Private limited company /Reputed Education Institute) annual value not less than **Rs.78,30,480/- (80%)**

Similar shall mean only of "Annual repair & maintenance of civil works for Residential area / Hostel Area & Academic Area/Industrial Area".

The intending bidders has to submit the similar work experience certificate furnishing with all details of the format provided at **Annexure-14/Form B**. Necessary documentary proof like **Work order along with Completion Certificates/Performance Certificate** in case of works carried out for Government Departments and TDS certificate in case of works carried out for private parties should be enclosed in addition to the completion certificates.

The work order without completion certificate will not be considered for evaluation of the tender.

"Cost of work" for this clause shall mean final cost as mentioned in the final bill carriedout under single contract including cost of materials, if any, supplied by clients. However,the cost of materials issued free of cost shall not be considered for calculating the cost of work.

ii) The bidder Should have an average annual financial turnover of not less than **Two (02) Crores** during the preceding Three Financial Years. Balance sheets should be duly audited by Charted Accountant. Year in which no turnover is shown would also be considered for working out the average. (Scanned copy of Audited Balance Sheet to be uploaded).

iii) Bidder Should have made profit in the last financial year.

iv) Bidder has to submit tax returns filed for the preceding three financial years (Scanned copy of returns filed to be uploaded).

v) Should have a solvency of not less than **Rupees Forty (40) Lakhs** from any Nationalized / scheduled bank issued not earlier than six months from tender closing date.

vi) Separate Registration Code No. for ESI, EPF and PAN on contractor's name / firm.

vii) Contractor has to submit live Agency/Company Registration certificate.

viii) To become eligible, the tenderer shall have to furnish an affidavit as per Annexure-1 in the tender.

II. INSTRUCTIONS ON TECHNICAL BID

1. General

1.1 The "TECHNICAL BID" (application to qualify) shall contain data and information to enable the institute to draw up a list of qualified agencies who can take part in the tender process and whose "Financial Bids" (Tenders) can be processed further.

The following mandatory documents to be submitted with online bid submission:

a) EMD scanned copy shall be submitted along with the technical bid and original have to be submitted in the office of the tender inviting authority **

b) Solvency certificate as for an amount of **Rs. 40 Lakhs.**

c) Registration details with the Govt. Department (CPWD, BSNL, MES, Central PSUs, Central Government bodies, State Government bodies, State PSU's).

d) GST Registration Certificate

e) EPF & ESI Registration

f) Copy of PAN card

g) Financial Information in **Form-A**

h) Performance report of works executed in **Form-B**

i) Structure and Organization of the Agency in **Form-C**

j) Affidavit for not being blacklisted/debarred/restrained as per **Annexure-1**

k) Declaration about Site Inspection as per **Annexure-2**

l) CPWD-7 as per **Annexure-3**

m) Letter of Transmittal as per **Annexure-4**

n) Undertaking on Not Subletting the work as per **Annexure-5**

o) Undertaking on minimum manpower as per **Annexure-6**

p) Acceptance of Tender Conditions **Annexure-7**

q) Tender form **Annexure-8**

r) No Relationship Certificate as per **Annexure-9**

s) Bid Security Declaration as per **Annexure-10**

t) Electronic Fund Transfer Mandate as per **Annexure-11**

u) Integrity Pact as per **Annexure-13**

v) Details of Similar Nature of Works Completed as per **Annexure-14**

w) Checklist as per **Annexure-15**

1.2 All information called for in the enclosed forms should be furnished against the respective columns in the forms. If information is furnished in a separate document, reference to the same should be given against respective columns. Such separate documents shall be chronologically placed at the end of the prescribed application. If information is 'nil' it should also be mentioned as 'Nil' or 'no such case'. If any particular / query is not applicable in case of the applicant, it should be stated as 'Not applicable'. However, the applicants are cautioned that furnishing of incomplete / ambiguous information, suppression of facts and alteration of prescribed format will entail outright rejection of tender application. Application made by fax and those received late after the prescribed date and time will not be entertained.

1.3 **The bidder should sign in each page of the tender document.**

1.4 Overwriting should be avoided. Correction, if any, shall be made by neatly crossing out, initialing, dating and rewriting.

1.5 References, information and certificates from the respective clients certifying suitability, technical know-how or capability of the applicant should be signed by an officer not below the rank of Executive Engineer / Project Manager or equivalent.

1.6 The tenderer should furnish the complete details called for. Inadequate and incomplete details which are not as per the document are liable to be rejected. At the same time unwanted and unconnected details need not be furnished.

1.7 The bidders are cautioned that furnishing of incomplete / ambiguous information, suppression of facts and alteration of prescribed format will entail outright rejection of tender application.

1.8 Should a bidder find discrepancies or omissions in the tender documents or should there any doubt as to their meaning, he should at once address the authority inviting the tender for clarification well before the due date so as to submit the tender in time. No extension of time shall be given for submission of the tender on any account.

1.9 Conditional tender, late tenders, tenders containing prima-facie absurd rates, tenders which are incomplete or otherwise considered defective, tenders not in accordance with the tender conditions there in contained and the tenders not in original ARE LIABLE TO BE REJECTED.

1.10 The bidder may furnish any additional information which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. However, the bidders are also advised not to attach superfluous / additional information beyond the requirement of the Bid. No information will be entertained after technical bid is submitted, unless it is called for by the Engineer-in-Charge / HAC / NITTH

1.11 Documents submitted in connection with the tender will be treated as confidential and will not be returned.

2. Definitions

In these documents the following words and expressions have their meaning here by assigned to them.

a) Principal Employer means The Chief Warden, NITTH.

b) Applicant means individual, proprietary firm, and firm in partnership, limited company (private, public and corporation).

3. Method of Application

3.1 If an individual makes the application, it shall be signed by him above his full type written name and current address.

3.2 If a proprietary firm makes the application, it shall be signed by the proprietor (with seal) above his full typewritten name & the full name of his firm with its current address.

3.3 If the application is made by a firm in partnership, it shall be signed by (with seal) all the partners of the firm above their full typewritten names and current addresses or alternatively by a partner holding power of attorney for the firm in which case, a certified copy of the power of attorney shall accompany the application. A certified copy of the partnership deed along with current addresses of all the partners of the firm shall also accompany the application.

3.4 If a limited company or a corporation makes the application, it shall be signed by a duly authorized person holding power of attorney for signing the application, in which case, a certified copy of the power of attorney shall accompany the application. Such limited company or corporation may be required to furnish satisfactory evidence of its existence. The applicant shall also furnish a copy of the Memorandum and Articles of Association duly attested by a Notary Public.

4. Final Decision-Making Authority

The Chief Warden, NITTH reserves the right to accept or reject all or any of the applications and to annul the qualification process / tender process at any time without assigning any reason or incurring any liability to the applicants.

5. Site Visit

The applicant is advised to visit NITTH (Hostel Zone) where the works are to be carried out at his own cost and examine the surroundings and collect all information that he considers necessary for proper assessment of prospective assignment during working hours with prior permission from the Engineer-in-charge.

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed.

The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

Bidder has to attach the **Annexure-2** along with bid document.

6. Financial Information

The applicant should furnish annual financial statement for the last three financial year in Form- A.

7. Experience in Similar Works

The applicant should furnish the following: -

The applicant should furnish the list of all works of similar nature successfully completed during last 7 years and are now in progress in Form – B. Such Particulars duly authenticated / certified by an officer not below the rank of Executive Engineer or equivalent should be furnished separately for each work.

In case of combined work order along with other works, the work value for Civil maintenance / repair Work should be separately indicated from client department and that work value alone will be considered for evaluation.

8. Organizational Information

Applicant is to submit the following information in respect of his organization in **Form C.**

a) Name and postal address including telephone, fax number, E-mail ID, etc.

b) Copies of original documents defining the legal status, place of registration and principal places of business.

c) Names and titles of Directors and officers to be concerned with the work, with designation of individuals authorized to act for the organization.

d) Information on any litigation / arbitration in which the applicant was involved during the last five years including any current litigation / arbitration in process.

e) Authorization for principal employer to seek detailed reference from clients to whom works were carried out.

9. Tender Submission and Decision

After the details submitted by the applicant regarding his financial capacity, previous experience etc. are studied and evaluated, a list of agencies who can take part in the tendering process shall be prepared and all concerned will be intimated. The financial bids (Tender) of the applicants who have not been qualified after evaluation, shall be returned unopened. Qualified tenders shall be opened by the committee constituted for this purpose on the date and time to be intimated, in the presence of the tenderers or their authorized representatives who may choose to present.

III. INSTRUCTION TO TENDERERS

1. General

1.1 Time is the essence of the contract. Being a time bound maintenance, the contractor should make all efforts to complete the individual works in allotted time.

1.2 The tender value includes cost of cement, reinforcement steel, structural steel, labour cost and all other related material required for maintenance of the work.

1.3 Even though the overall AMC period is indicated as **12 months (or extended period)**, the work shall be completed at the time bound manner progressively / individual part work wise and handed over as per schedule if any.

1.4 The tenderers are advised to visit the site and get themselves acquainted with the site conditions before submitting the offer.

1.5 This being percentage rate contract, the contractor is required to carry out any work for any quantity without any reservation at his overall tender percentage that depends on the NITTH's requirement then and there.

1.6 **Bid validity period is 180 days from the date of opening of the tender. If lowest tenderer withdraws his tender before the said period or issue of acceptance, whichever is earlier or makes any modification in the terms and conditions of the tender which are not acceptable to the HAC, then NITTH, shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the said earnest money with blacklisting the firm for TWO YEARS.**

1.7 **Quoted percentage rate will be firm throughout the contract period of Twelve Months and including extended period or till completion of work, once awarded and no cost escalation is allowed on any account.**

1.8 **The bidder shall quote a percentage rate (+/-) on the 'select' option of BOQ and quote the percentage from the above contract value. The percentage quoted by the successful bidder shall be uniformly applicable to all items specified in Schedule-A of the tender document. Accordingly, the rates payable for individual items shall be derived by applying the quoted percentage over or below the corresponding item rates in Schedule-A.**

1.9 The rate offered is for finished item of works and shall provide for the complete cost towards fuel, tools, tackles, plant & machinery, temporary works, labour, materials, levies, contingencies, taxes, transport, lay-out, repairs, rectifications, maintenance till handing over, supervision, labour colonies, establishment, services, roads, revenue expenses, overheads, profits & all other incidentals etc., complete with applicable GST as extra.

1.10 Probable operation of various items is shown in DSR-2023 is an indication. This being an annual maintenance contract, operation of each item and its quantum cannot be

predicted at this stage. **The successful tenderer is expected to carry out any work for any quantity without any reservation.** Some of the items in BOQ may be operated more or less or even not operated but the quoted percentage rates would take care of such factors. The percentage rate quoted shall be the basis for arriving at the lowest tenderer among the participants.

1.11 While quoting the percentage rate, the contractor has to account for statutory payments towards ESI & EPF to arrive at workability percentage of rates, apart from his establishment.

1.12 The work shall be carried out as per drawings released then and there, BIS/CPWD specifications, and standard code of practice and as per the instructions of Engineer-in charge.

1.13 **In the price bid, tenderer has to quote percentage rate both in figures and in words considering all the items and specification provided in the BoQ. In case of additional item (other than BoQ) are required to be executed, the rates shall be calculated as below.**

- **a) If the items are available in DSR-2023, the payable rate shall be (DSR-2023rate) ± contractor quoted percentage.**
- **b) If the item is not available in DSR-2023/ BHEL Scheduled Rates/ NITT approved rates/ market rate will be operated (as enclosed in the tender) ± contractor quoted percentage.**

1.14 Since the responsibility for the quality, workmanship and accuracy of any work being carried out under this contract lies with the contractor, the contractor should ensure that no work is done without the presence of contractor's representative at the work spot, whose strength depends on the value of contract awarded. The contract should arrange for surveying construction site at his own cost.

1.15 The decision of Hostel Office authority shall be final and binding on the contractor regarding clarification of items in this tender schedule.

1.16 The works contract to be entered into with the successful tenderer will be governed by the CPWD Works Manual in force & shall strictly adhere to various labour laws in force.

1.17 To safeguard the persons working at height in roof, wall etc., sufficient number of Industrial safety nets shall be provided at tenderer's cost in appropriate level and locations. The working hand including Supervisors, Engineers should wear the personal protective items and safety measures such as helmets, safety belts, shoes, etc., before entering into working place.

1.18 The tenderer has to deploy adequate labour of required categories such as Unskilled, Semiskilled, Skilled, Mason, Carpenter, Plumber, Welder, Fitter, Mistry, technically experienced, etc. so as to execute the works simultaneously in all areas of work.

1.19 Expertise labour only to be engaged for specialized items of work like laying of ceramic tiles, marbles, cuddapah slabs, granite slabs and false ceiling, partition, wall paneling, architectural finishing etc. and work experienced persons shall be engaged for fabrication, water supply, railway track laying and aligning works, sewerage system work, etc.

1.20 The contractor shall follow norms of NITT security system for movement of men & materials within the complex.

1.21 Evaluation of the bidders will be done based on lowest percentage in Price Bid Format. The contract would be awarded to the lowest bidder L1.

1.22 If two or more bidders quote the same L1 percentage, then the contract will be awarded to the bidder who having highest average annual turnover.

1.23 All the materials to be used in the work and the nature of work shall conform to the

respective CPWD & BIS and National Building Organization, Standard Specifications forming part of "DELHI STANDARD SCHEDULE OF RATES" specifications and shall be got approved by the Engineer-in-charge before actual incorporation in the work.

1.24 All materials brought by the Contractor for incorporation in the work shall be got inspected and approved by the Engineer-in-charge before they are incorporated in the work.

1.25 The materials supplied to the works shall be as per the given annexure-I.

1.26 All safety measures are to be followed during execution of work, particularly during blasting and only licensed blaster should be engaged for this purpose. Sufficient care shall be taken by the contractor during excavation to avoid damages to the buried pipe lines, cables and other infrastructure if any etc. Controlled blasting including muffling can be carried out with prior permission from safety department. Damages caused if any shall be rectified at contractor's risk and cost.

1.27 The contractor should extend fullest co-operation with the third-party agencies engaged, if any by NITTH, to adhere the Quality Control Procedures ensuring quality.

1.28 The applicant should have sufficient number of employees for proper execution of contract. The applicant should submit a list of his employees with their age (Not more than 58 years) Qualification, Experience and Required license stating clearly how they would be involved in this work.

1.29 The applicant's performance in respect of completed works and ongoing works should be certified by an officer not below the rank of Executive Engineer or equivalent and should be obtained.

1.30 Inspection committees will carry out surprise visit to tenderers clients' places and their reports, form valuable inputs for the short-listing process.

1.31 Even though an applicant may satisfy the above requirements, he would be liable for disqualification if he has:

a) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the qualification document.

b) Record of poor performance such as, abandoning work, not properly completing the contract, not meeting the statutory requirement, or financial failures / weaknesses, terminated in the middle of the contract period etc.

1.32 The contractor should extend full co-operation to the other contractors who may be doing other works in the same areas to enable them to execute their portions of work without any delay or difficulty.

1.33 Tenderers are requested to furnish the duly filled in E-format attached as separate sheet along with a cancelled cheque leaf to accept electronic fund transfer / R T G S transfer for any payment from NITTH, Trichy.

1.34 **No advance / mobilization advance will be given by NITTH.**

1.35 **NITT reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract awarded against a different Tender.**

1.36 The Contractor shall have to remit EPF & ESI contributions at the rates applicable under law to the authorities concerned for the total wages paid / abide by BOCW Act / Coverage in Group Insurance Scheme / All Risk Policy.

1.37 The contractor's responsibility under this contract shall commence from the date of Receipt of the LOI by the tenderer. The scheduled period of completion for this work is as mentioned in page No. 01, and the Contractor will have to plan his work accordingly.

1.38 Generally, the maintenance period for any work under NITTH will be SIX (6) MONTHS

from the date of completion of each work.

1.39 Any deviation to this tender terms & condition and schedules of this tender will cause total rejection of the offer submitted

1.40 Incomplete offers will become liable for rejection.

1.41 Tenders along with completed Qualification Documents received in time will be opened at Stores and Purchase Section, NIT Trichy. In the event of this day being declared a holiday, the tenders will be opened at the scheduled time and place on next working day.

1.42 Other details and the method of evaluating the capacity of the prospective contractors are detailed elsewhere in this document.

1.43 The Chief Warden, NITTH, reserves the right to accept or reject any or all the tenders without assigning any reason thereof.

1.44 NITTH reserves the right to disqualify such bidders who had a record of not meeting the contractual / statutory obligations against earlier contract entered into with NITTH.

1.45 After award of the contract, if performance of the selected contractor is found to be not satisfactory during the trial period of three months, NITTH reserves the right to terminate the contract at any time by giving one month notice and forfeiting the security deposit to compensate the extra cost to be incurred by NITTH in carrying out the service through alternate agency. If the performance is satisfactory, the contract will be automatically extended for remaining nine more months.

1.46 In the event of the disputes, differences, claims and questions arising between the parties here to arising out of this agreement or anyway relating here to or any term, condition or provisions herein mentioned or the validity, interpretation, thereof or otherwise in relation hereto, all such dispute claims or question shall be referred to Sole Arbitrator appointed by the NITTH. Such arbitration shall be held in accordance with the provisions of arbitration and conciliation act 1996 or re-enactment thereof for the time being in force and arbitration proceedings shall be held at Tiruchirappalli. All legal disputes shall be subject to the jurisdiction of court at Tiruchirappalli.

1.47 NITTH will not be bound by any power of attorney granted by the tenderer or by changes in the composition of firm made subsequent to the execution of the contract. They may however recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contract concerned.

1.48 If the tenderer deliberately gives wrong information in his tender or creates conditions favorable for the acceptance of his tender, NITTH reserves the right to reject such tender at any stage.

1.49 The contractor should execute an agreement in the non – judicial stamp, incorporating the various terms and conditions. The expenses for completing and stamping the agreement shall be paid by the contractor.

1.50 If the lowest percentage quoted is not within the justified limit, negotiation will be conducted with the Lowest (L1) bidder.

1.51 Tenderers shall not increase their quoted rate. In case NITTH negotiates for reduction of rate, such negotiation shall not amount to cancellation or withdrawal of the original offer and the rate originally quoted shall be binding on the tenderers for a period of 180 days from the date of opening of tenders.

1.52 Canvassing in any form in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection

1.53 TENDERERS should fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign each and every page of Tender Documents including the drawings attached there to, before submitting their tender.

1.54 Conditional and Un witnessed tenders, tender containing absurd rates and amounts tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions laid down by the Accepting Officer are liable to be rejected.

1.55 Tenders not submitted on the prescribed form are liable to be rejected.

1.56 **This tender notice shall be deemed to form an integral part of the contract to be entered into for this work.**

1.57 The tenderers are advised to go through the condition stipulated in Tender document & code of conduct for Safety of Contract Laborer' in details. Any violation thereof will invite punitive action being taken against them. While quoting the rate all the above factors are to be considered.

2. <u>DEFAULT OF CONTRACTOR</u>

LD / Penalty clause is applicable as per CPWD Works Manual in force. However, the Contractor shall immediately attend the defects and complaints noticed at site. The Contractor shall provide and develop a system for attending to Repair and Maintenance of all services immediately on call, which includes defects identifications and it's immediate rectification so that services are not affected. It shall be the sole responsibility of this agency that all the services are undisturbed while attending to the repairs and the entire facilities are in service round the clock during the currency of the contract.

If the performance of the contract is not satisfactory and not corrected within 15 days of receiving notice, then NITTH shall be at liberty to terminate the contract with due notice and get the work executed through alternate agency at the risk and cost of the defaulted Contractor and payment to the defaulter, if any shall be released only after the deduction of work through agency for completion of whole work allotted to the earlier contractor

3. <u>PENALTY FOR COMPLAINTS</u>

Repair and Maintenance related complaints (Other than Emergency Complaints) that are required to be attended and completed **within 5 days** as directed by Engineer-in-charge and failing which a **fine of 5% per day** to a maximum 30% of that particular complaint cost (related item) as per the recommendation of Engineer-in-charge will be recovered in the bill. The overall penalty will be limited upto 10% of the work order value/Annual executed value.

The Emergency complaints need to be completed immediately within **8 hrs** as directed by Engineer – in-Charge. Delay in completion of these emergency complaints will attract a penalty of 5% per day subjected to maximum of 30% of that particular complaint/work value.

4. <u>LIQUIDATED DAMAGES FOR SPECIAL WORKS:</u>

Any special work based on contingencies may be given after obtaining approval from competent authority which may include subset of items from bill of quantities at the quoted rates and also additional items (rate arrived as per CPWD norms). In case of delay in executing of such works, Liquidated damages will be levied at the rate of **0.5%** of the cumulative executed value of such group of items per week of delay or part thereof will be recovered for a maximum of 10% of cumulative executed value of such group of items.

5. <u>RISK AND COST:</u>

If the Contractor fails to execute any complaint or defect/special works and if in the opinion of Engineer in- charge and the delay is on the part of the agency, the NITTH can execute the work at the risk and cost of the contractor.

In such cases, the additional cost incurred shall be recovered from the contractor as given below:

Penalty Amount = [(P-Q) + (P x R/100)]

Where,

P = Value of work executed by engaging alternate agency.

Q = Value of Work as per awarded rates to the defaulting contractor

R = Overhead Factor to be taken 12.5%

In case (P-Q) is less than 0 (zero), value of (P-Q) shall be taken as 0 (zero).

6. <u>REQUIREMENT OF TECHNICAL STAFF FOR THE WORK:</u>

The contractor immediately on award of work, is to intimate the details i.e. name(s), qualifications, and address (es) of the qualified Engineer(s) planned to be employed by him as per terms of the contract and to ensure that the said engineer(s) is/are actually available at site to supervise construction at all stages and note down the instructions conveyed by the Engineer-in-Charge.

a) Engineer(s) and/or supervisor(s) deployed as per stipulation in the contract shall look after only the work under contract and no other work and shall be available exclusively for that particular work.

b) Even if the contractor (or partner in case of firm/company) is himself an Engineer/ Overseer/ supervisor, it is necessary on part of the contractor to employ Engineer(s) and/or/ for the supervision of the work(s) as per stipulation.

6.1 **The following minimum technical staff shall be engaged from start of contract till the end of contract for which separate payment will not be given. The salary incurred for the below mentioned manpower to be added in the quoted percentage.**

Sl. No	Manpower	No. of Manpower	Min. Qualifications	Recovery per Absence
1	Graduate Engineer / Diploma Engineer	1	B.Tech (Civil) with 5 Years of Experience / Diploma (Civil) with 8 Years of Experience	
2	Skilled Carpenter	3		Rs. 1000/-
3	Skilled Plumber	3		
4	Skilled Mason	2		
5	Helper	3		Rs. 500/-

6.2 **Deployment of Civil Maintenance Workers:**

The Contractor shall deploy adequate and suitably qualified manpower to ensure continuous availability of civil maintenance services at all NITT Hostel premises on all days, including Sundays and holidays. The minimum manpower shall be deployed as per the following requirements:

Sl. No.	Category of Staff	Boys' Hostel	Girls' Hostel	Timing / Deployment
01	Graduate Engineer / Diploma Engineer	1 No		**9:30 AM – 6:00 PM**
02	Carpenter (Skilled)	2 Nos	1 Nos	Boys Hostel: **2:00 PM – 10:00 PM** Girls Hostel: **9:30 AM – 6:00 PM**
03	Plumber (Skilled)	2 Nos	1 No	**9:30 AM – 6:00 PM**
04	Mason (Skilled)	1 Nos	1 No	**9:30 AM – 6:00 PM**
05	Helper (Unskilled)	3 Nos		**9:30 AM – 6:00 PM**

Overall Operating Hours: 06:00 AM to 10:00 PM (SHIFT BASE)

Note: The above manpower deployment is the minimum requirement. NITTH reserves the right to relocate or modify the deployment and working timings depending upon the nature, urgency and volume of civil maintenance works in the various hostels.

6.3 **No extra payment will be given for engaging manpower and contractor has to quote accordingly.**

7. <u>EARNEST MONEY DEPOSIT:</u>

Earnest Money Deposit (EMD)is to be paid by each tenderer to ensure that the tenderer does not refuse to execute the work after it is awarded to them and shall be furnished in the form of Demand Draft in favour of The Chief Warden, Hostel Office, NIT Tiruchirappalli payable at SBI branch at NITT.

Demand Draft for Rs. 2,93,700/- (Rupees Two Lakh Ninety-Three Thousand Seven Hundred Only) towards Earnest Money Deposit which is refundable to the unsuccessful bidders. In respect of successful bidder, the same will be adjusted against the security deposit.

Original Demand Draft to be received within 7 days from the due date of tender, otherwise tenderer will be disqualified.

Bids submitted without EMD will be summarily rejected. Non-submission of Demand Draft in original to the Tender Inviting Authority, Technical Bid will be rejected.

No exemption of EMD for MSME/NSIC registered contractor.

Bidder should submit the EMD as specified in the tender. The hard copy should be posted / couriered / deposit in person to the Central Dispatch section / Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the payment documents should be uploaded as part of the offer.

The format of bid security declaration form has to be submitted in letter head of the firm

/company/ enterprises along with appropriate sign & seal (enclosed in Annexure-10).
EMD of the unsuccessful contractor shall be refunded on finalization of the contractor and the **EMD amount shall not carry any interest**.

7.1 **EMD by the Tenderer will be forfeited if,**

a) The tenderer does not commence the work within the period as per LOI / Contract. In case the LOI / contract is silent in this regard then within 15 days after award of contract the tender will be cancelled.

b) The tenderer withdraws his bid before the completion of the bid validity period. Tender for the work shall remain open for acceptance for a period of 180 days from the date of opening of the Tender.

c) If lowest tenderer withdraws his tender before the said period or issue of acceptance, whichever is earlier or makes any modification in the terms and conditions of the tender which are not acceptable to the HAC, then NITTH, shall without prejudice to any other right or remedy, **be at liberty to forfeit 100% of the said earnest money with blacklisting the firm for two years.**

8. <u>SECURITY DEPOSIT:</u>

8.1 Security Deposit @ **5%** of the work order value should be submitted before the commencement of the work.

8.2 Account payee Demand Draft/Fixed Deposit Receipt, Banker's cheque or Bank guarantee (Annexure-II) from any of the nationalized Schedule Banks in favour of **The Chief Warden, Hostel Office, NIT, Tiruchirappalli** is accepted towards Security Deposit.

8.3 **The security deposit shall not carry any interest.**

8.4 Unless the contractor whose tender is accepted signs the Contract Agreements and makes the necessary security deposit specified in Para above within Fifteen days of the date of the order directing him to do so, the amount of Earnest Money Deposit already deposited by him will be forfeited and acceptance of his tender withdrawn.

8.5 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 contractor shall be suspended for two years and shall not be eligible to bid for NITTH tenders from the date of issue of suspension order.

8.6 NITTH shall not be responsible for any loss of securities, due to liquidation for any other reasons, what-so-ever or any depreciation in the value of the securities while in their charge or for any loss of interest there on.

8.7 All compensation or other sums of money payable by the Contractor to NITTH under the terms of this contract or under any other contract with NITTH may be deducted from the Security Deposit or realized by the sale of the securities or from the interest arising therefrom or from any sums which may be due or may become due to the contractor by NITTH and in the event of this Security Deposit being deducted by reason of such deductions or sale, as aforesaid, the Contractor shall within 7 days thereafter, make good in cash or in securities endorsed as aforesaid, any sum by which the Security Deposit has been reduced.

9. <u>REFUND OF SECURITY DEPOSIT: -</u>

The Security Deposit mentioned above may be refunded to the Contractor after a period of 6 months on termination or expiry of the contract provided always that the Contractor shall first have been paid the last and final bill and have rendered a "NIL CLAIM CERTIFICATE.

If lowest tenderer withdraws his tender before the said period or issue of acceptance,

whichever is earlier or makes any modification in the terms and conditions of the tender which are not acceptable to the HAC, then NITTH, shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the said earnest money with blacklisting the firm. The Security deposit will be released within six months on satisfactory completion of the contract including extended period.

10. PRE-BID MEETING:

The Tenderers or his authorized official representatives are invited to attend a Pre-bid Meeting which will take place at the Hostel Office, NITTH on the date mentioned in the bid document. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage. The tenderers are required to submit questions if any in writing so as to reach the ENGINEER-IN-CHARGE, NITTH before the pre bid meeting. Non-attendance at the Pre-bid Meeting will not be a cause for disqualification of a Tenderer. However, Clarifications given in the Pre-bid meeting are the part of tender documents and bound to be agreed & signed by lowest bidder during the issue of work order.

IV. GENERAL CONDITIONS OF CONTRACT

1. The work has to be carried out in NITTH (Hostel Zone).
2. The scope of work inter alia includes the following with free power wherever needed, all within NITTH.
3. **SCOPE OF WORK:**
   It includes maintenance activities of all Civil works, minor Structural steel works, Interior decorations, Seepage, Damp proof coarse, Roads, Paver Blocks, Fencing, Water supply, Sewer lines, etc., all in NITTH (Hostel Zone) that consist of Hostels, Mess, Play Grounds and with other buildings like, Mosque, Hostel Office, etc.
   The contactor Graduate engineer/Diploma Engineer has to receive the complaint and close the complaint in system. Also, they have to enter it in the log register is to be maintained separately in Hostel office as per the instruction of Engineer-in-charge.
4. The scope of work also includes construction and maintenance activities of water supply pumping station, overhead tanks, Sewage treatment plants etc.,
5. Usually, working hours are limited to day time only. In emergency cases to carryout works during nights, it may be done so with the specific prior permission of NITTH. In such case, it is to be carried out in the presence of NITTH officials or their authorized persons.
6. The contractor has to keep an Auto-level instrument for any site levelling.
7. **The quoted rate shall be firm throughout the contract period, including extensions if any.**
8. The contractor should bring the construction machineries like Paver, Road Roller, JCB etc., as and when required for the work without any delay. Also required number of the following Tools & Plants / instruments shall be made available at site as per the requirement.
   - Levelling instruments or theodolite.
   - Full load mixture machine
   - Petrol / Kerosene driven vibrator
   - Cube moulds
   - Inter carting vehicle (mini door, tractor, hand trolley etc.,)
9. Exclusive Lorries to be deployed regularly to clear the debris generated and on no account the debris can be left for more than three days. Otherwise NITTH would clear the debris at the contractor's risk and cost. In case any delay in debris removal, it will be done by other agency at the risk of cost of L1 Contractor.
10. The contractor may be required to undertake works at remote places and in such cases the contractor should make his own arrangement for safety of NITTH materials, water required for the work and power etc.
11. The responsibility of clearing the building materials and cleaning the area immediately after the completion of work lies with the contractor. The contractor should ensure more care while working at residence and other places of importance.
12. The contractor has to execute any item of work irrespective of the quantity without any reservation.
13. The contractor has to carry out the work without affecting the working environment.
14. In case the Agency wishes to terminate / End of the contract, it shall give **three** months

advance notice in writing to this effect to The Chief Warden. But the termination of the contract is fully as per the discretion of Hostel Office Authority.

15. The Hostel Office reserves the right to terminate the contract at any time by giving one month's notice to the selected Contractor. This notice period may not be applicable to the other provisions stipulated elsewhere in the contract.

16. If the Contractor withdraws from the contract within the initial period of work (i.e. 12 Months), the security deposit shall be forfeited and the contractor will be barred from participating in tenders of the NITTH for 3 years.

17. The decision of Engineer-in-charge shall be final and binding on the contractor in case of any controversy in specification between the items in CPWD SR & specification elsewhere in the contract.

18. Since the responsibility for the quality, workmanship and accuracy of any work being carried out under this contract lies with the contractor, the contractor should ensure that no work is done without the presence of contractor's representative at the work spot.

19. **Contractor's respective Supervisor / Engineer shall have to attend the Hostel office daily before 09.30 Hrs to collect the complaints and also to hand over the complaints attended the previous day.**

20. Daily labour report for the manpower engaged on previous day area wise shall have to be submitted next day. Weekly progress report shall have to be submitted on every Monday.

21. The contractor has to submit the organization chart of their set up and any change thereafter in the organization set up shall have the prior approval of NITTH.

22. Statement of completed works with detailed measurements shall be submitted by the contractor every month and the payment for the work done will be paid once in a month. The Contract Graduate Engineer has to enter the log book maintain at the Hostel Office for the work done at Hostels as per format given by NITTH Engineer in-charge.

23. **The contractor shall establish his own site office and storage facilities. Vacant land for this purpose will be allotted free of cost upon specific request. The contractor may construct temporary structures for the office and stores at his own expense, subject to prior approval from the Engineer-in-Charge. The safety and security of the site office and storage facilities shall be the sole responsibility of the contractor. Office space alone may be provided on chargeable basis, if available.**

24. The contractor is required to carry out construction / maintenance activities as and when directed by the department officials irrespective of quantum involved at any specified time. Considering the nature of maintenance activities, volume of work involved, scattered location of work spot, the contractor is required to engage certain minimum strength of experienced supervisors for effective supervision of works.

25. The agency should maintain a stock register for material purchased and consumed for maintenance work. This register should clearly indicate date wise receipt of material and material consumed on work. The agency should also maintain a register for un-serviceable material received during repair work.

26. Adequate Quality Engineer and Safety Engineer should be deployed at site.

27. Additional supervisors shall have to be engaged depending upon the workload.

28. All the splashes after plastering, white washing & painting shall be removed from doors, floors, furniture, toilet & bathroom fittings, Electrical and other fittings and finished upto satisfactory level. Failing which the same shall be got cleaned at the risk & cost of contractor.

29. The technical bids will be subjected to evaluation by a committee calling for a technical presentation by the vendors which will include verifying financial turn over registration

certificates, legal, financial, statutory, taxation and other associated compliance of contractual conditions. The committee may evaluate / verify the performance of the agency at any of their existing contracts which may include obtaining references for visiting clients and the quality of services rendered by agencies. Further the committee may disqualify the bidder based on oral / written references or insufficient quality of service provided during existing or previous contracts.

30. The Contractor will be responsible and liable for the implementation of all the statutory provisions as regards to the personnel to be deployed by him in respect of minimum wages, Provident Fund, and ESI etc. as and when they become applicable under the Labour Laws. The Contractor shall maintain all the statutory registers under the law.

31. The Contractor shall produce the same on demand to Hostel Office authority or any other authority under law. As and when applicable the Contractor will obtain a license under the Contract Labour (R&A) Act 1970. In case, the previous month's challan pertaining to ESI and EPF having been deposited do not accompany the bill as a documentary proof, the Hostel Office has the right to hold up a requisite portion/ or whole of bill amount till such proof is produced and furnished, at the discretion of the NITTH. The Contractor will ensure payment of wages to his personnel within the period prescribed under Labour Laws for the purpose. The Contractor is also required to have a registration under the Company's Act, 1956 or under Indian Partnership Act,1932 and should have a 'Memorandum and Article of Association' of the company or Partnership Deed, a certified copy of which will be submitted along with the tender. In case the Contractor fails to comply with any statutory obligation under any Labour Laws, and as a result there of the NITTH is put to any loss or obligation, monetary or otherwise, the NITTH will be entitled to get itself reimbursed out of the bills or the security deposit of the Contractor, to the extent of the loss or obligation in monetary terms.

32. If the contractor performance is not satisfactory, the contract will be terminated by giving one month notice.

33. The contractor shall recoup NITTH the cost of the damage incurred by the contractor on account of any breach of the terms and conditions of the agreement.

34. NITTH will not be liable for any medical attention, injury / loss of life of the person engaged by the contractor

35. The contractor shall be solely responsible for any claim arising out of employment or termination of employment of his employees and for statutory payments. The contractor shall employ only such personnel who are medically fit and above the age of 18.

36. In case of any lapse in services, quality standards or any standing instruction, the contractor shall be penalized accordingly.

37. The contract may be terminated due to violations or poor performance or noncompliance of statutory payments in time, with due notice. The contractor shall at his own expense reinstate and make good to the satisfaction of NITTH and pay compensation for any injury, loss or damage occurred to any property or rights whatever including property and rights of NITTH employees.

38. In case of failure on the part of the contractor to complete any contractual obligations, NITTH reserves the right to get the same done at the contractor's risk and cost by another agency/ departmentally apart from imposing penalty.

39. In all matters of dispute, the decision of the Engineer-In-Charge, National Institute of Technology, Tiruchirappalli Hostel shall be final and binding on the tenderer / contractor.

40. Engineer in charge / Civil or his duly authorized representative shall have all reasonable times access to Contractor's premises of work and shall have the power at all the

reasonable times to inspect and test any portion of the work and workmanship

41. All personal protective equipment conforms with standard specification and Contractor including their agents and labour engaged on the work are required to scrupulously adhere to the safety regulations, safety precautions and measurers. Any violation thereof will invite punitive action being taken against them. Also, contractors with frequent violations of safety regulations will not be entrusted with further work in this organization.

42. LABOUR LAWS:

42.1 The Contractor shall not employ in connection with the work any person who has not completed 18 years of age.

42.2 The Contractor shall in respect of labour employed by him either directly or through subcontractors, comply with or cause to be complied with the following statutory provisions and rules and in regard to all matters provided therein.

- The Contract Labour (Regulation & Abolition) Act 1970
- The Minimum Wages Act 1948 and related Central Rules.
- The Payment of Wages Act 1936 and related Central Rules.
- The Employee's Provident Fund & Miscellaneous Provisions Act 1952.
- The Employees State Insurance Act 1948.
- The Workmen Compensation Act 1923.
- The Industrial Disputes Act 1947.

42.3 The payment of bonus act 1965 and any other law or modifications to the above or to the Rules made thereunder from time to time.

42.4 The Contractor employing workmen is required to obtain license from the authorities (Assistant Commissioner of Labour). The license shall be amended and / or renewed wherever, there is an increase in the workmen employed by him or in the event of contract being extended or renewed. The Contractor shall inform the license number to the NITTH Management before taking up the work.

42.5 The Contractor (Licensed or unlicensed) shall promptly furnish every information and document required by NITTH authorities for the purpose of fulfilling their obligations as Principal Employer and shall render all necessary assistance for the same.

43. DURATION OF THE CONTRACT:

43.1 The contract shall remain valid for a period of **TWELVE (12) MONTHS** from the starting date of the contract period. The HAC/NITTH, may extend the contract for a further period of **TWO (2) Years** on yearly basis or part thereof months, with the same financial terms and conditions, based on the performance and without any cost escalation. However, NITTH reserves the right to terminate the contract at any time before the expiry of the normal tenure, in case the services are deficient/ unsatisfactory/ not required.

43.2 Extension shall be at the sole discretion of NITTH subject to satisfactory performance evaluation, absence of contractual breaches, and written approval by the Competent Authority. No automatic right of extension shall be deemed.

44. WAGES:

44.1 The Contractor shall pay wages to the workmen employed by him at the rate which shall not be less than the minimum wages applicable under Law from time to time.

44.2 The Contractor shall fix wage periods in respect of which wages shall be payable. No wage period shall exceed one month.

44.3 The Contractor shall ensure payment of wages to the contract labour employed by him within three days from the end of wage period in case the wage period is one week or a fortnight and in all other cases before 7th day of the following month.

44.4 All Payment of wages shall be made on working days at the work site and during the working time and on date notified in advance. In case the work is completed before the expiry of the wage period final payment shall be made within 48 hours of the last working day.

44.5 Where the employment of any worker is terminated by or on behalf of the Contractor, the wages earned by him shall be paid before the expiry of the second working day from the day on which his employment is terminated.

44.6 Wages due to every worker shall be paid to him direct or to the person authorized by him in this behalf. All wages shall be paid in current coin or currency in both.

45. REGISTERS & RECORDS: -

The Contractor shall maintain all registers and records in the proper manner and as required by the regulations of the various authorities concerned and indemnify the Principal Employer from the consequences due to any inaccurate or faulty documentation on the part of the Contractor.

46. NONDISCLOSURE OF AGREEMENT: -

The Agency shall take all precautions not to disclose, divulge and/or disseminate to any third party any confidential information, proprietary information on the Hostel business or security arrangements (including but not limited to the Assignment instructions, Schedules and other subsequent Arrangements) and/or business of the Hostel. The obligation is not limited to any Scope and the Agency shall be held responsible in case of beach of the confidentiality of Hostel's information.

If the Agency receives enquiries from Press/Media/Radio/Television or other bodies / persons, the same shall be referred by the Agency to Hostel Office immediately on receipt of such queries.

47. POST TECHNICAL AUDIT OF WORK AND BILLS: -

NITTH reserves the right to carry out the post-payment Audit and technical examination of the work and final bill including all supporting vouchers, abstracts etc., and enforce recovery of any sum becoming due as a result thereof in the manner provided in the presiding sub-paragraphs. Such recovery shall be enforced any time even after passing the final bill.

48. SUBMISSION OF BILLS BY CONTRACTOR: -

Complaints shall be made in the prescribed format. A complaint register (in prescribed format) shall be maintained in the Office of the contractor in which all complaints received shall be documented.

The Contractor shall submit a bill to the Engineer by 7th day of each month for the work executed up-to the end of previous month supported by the requisitions issued from time to time in tabulated form approved by the Engineer, showing the amounts to which, the Contractor considers himself to be entitled. The bill must be supported with the following documents**: -**

a) Attendance sheets for the minimum manpower/staffs deployed as per requirement. Certified bills miscellaneous materials purchased under different heads not covered in BOQ.
b) Details of defects/complaints attended and rectified within time.
c) Details of complaints attended late.
d) Test certificates of materials used and tests carried out for quality control as required by the specifications and the Engineers.
e) Deviation from the items provided in the contract documents.
f) Extra items / new items of work.

Items in-respect of which rates have not been settled. He should in addition furnish a clear certificate to the effect that the claims submitted by him as aforesaid cover all his claims and that no further claims shall be raised by him in respect of the work done upto and including the period under report.

49. PAYMENT OF BILLS: -

a) All payments to be made to the Contractor, under this contract shall be by NEFT or RTGS within maximum period of 30 days, after the certification of bills by the execution department and after fulfillment of all necessary documents.
b) 2% as TDS amount of GST amount payable on the bills will be deducted as per the Govt. of India, Ministry of Finance, and Department of Revenue notification vide No.65/39/2018-DOR, dtd: 14-09-2018.

50. RECOVERY FROM CONTRACTOR: -

Whenever under the contract, any sum of money, shall be recoverable from or payable by the Contractors, the same may be deducted from or any sum then due or which at any time thereafter may become due to Contractor under the contract or under any other contract with NITTH or from his Security Deposit or he shall pay the claim on demand.

51. CANCELLATION OF CONTRACT FOR CORRUPT ACTS: -

NITTH, whose decision shall be final and conclusive, shall without prejudice to any other right or remedy which shall have accrued shall accrue thereafter to NITTH cancel the contract in any of the following cases and the Contractor shall be liable to make payment to NITTH for any loss or damage resulting from any such cancellation to the same extent as provided in the case of cancellation for default,

If the Contractor shall: -

a) Offer or give or agree to give to any person in NITTH service any gift or consideration of any kind, as an inducement or reward for doing or for bearing to do or for having done or for borne to do any act, in relation to the obtaining or execution of this or any other contract for NITTH service,

OR

b) Enter in to a contract with NITTH in connection with which commission has been paid or agreed to be paid by him or with his knowledge, unless the particulars of any such commission and the terms of payment thereof have previously been disclosed in writing to NITTH.

OR

c) Obtain a contract with NITTH as a result of ring tendering or by non-bonafide methods of competitive tendering, without first disclosing the fact in writing to NITTH.

52. CANCELLATION OF CONTRACT FOR INSOLVENCY ASSIGNMENT OF TRANSFER OR SUB-LETTING OF CONTRACT: -

NITTH, without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to NITTH shall cancel the contract in any of the following cases:

If the Contractor,

a) Being an individual or if a firm any partner thereof shall at any time be adjudged bankrupt or have a receiving order for administration of his estate, made against him or shall take any proceedings for liquidation or composition under any bankruptcy Act or assignment of his effects of composition or arrangement for the benefit of his creditors or purport to do so, or if any application made under any Bankruptcy Act for the time being in force for the sequestration of his estate or if a trust deed be granted by him on behalf of his creditors

OR

b) Being a Company, shall pass a resolution or the Court shall make an order for the liquidation of its affairs, or a receiver or Manager on-behalf of the debenture holders shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or Manager,

OR

c) Assigns, Transfers, Sub-lets or attempts to assign, transfer or sub-let any portion of the work without the prior written approval of the NITTH.

Whenever NITTH exercise the authority to cancel the contract under this conditions, NITTH may have the work done by any means at the Contractor's risks and expenses provided always that in the event of the cost of the work so done (as certified by Engineer in charge which is final and conclusive) being less than the contract cost, the advantage shall accrue to the NITTH and if the cost exceeds the money due to Contractor under the contract, the Contractor shall either pay the excess amount ordered by Hostel Administration Committee. or the same shall be recovered from the Contractor by other means.

In case the NITTH carries-out the work under the provisions of this condition the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plants and/or labour provided by the NITTH with an addition of such percentage to cover superintendence and establishment charges as may be decided by Hostel Administration Committee., whose decision shall be final and conclusive.

53. <u>CANCELLATION OF CONTRACT IN PART OR FULL FOR CONTRACATOR'S DEFAULT:</u>

<u>If the Contractor:</u>

a) Makes default in carrying out the work as directed and continues in that state after a reasonable notice from Engineer in charge or his authorized representative.
b) Fails to comply with any of the Terms and Conditions of the contract or after reasonable notice in writing with orders properly issued there under.
c) NITTH may without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to NITTH, CANCEL the contract as whole or in part thereof or only such work order or items of work in default from the contract. Whenever NITTH exercise the authority to cancel the contract as whole or part under this condition NITTH may complete the work at the contractor's risk and cost (as certified by Engineer in charge, which is final and conclusive) being less than the contract cost, the advantage shall accrue to the NITTH. If the cost exceeds the moneys due to the Contractor under this contract the Contractor shall either pay the excess amount ordered by Hostel Administration Committee. or the same shall be recovered from the Contractor by other means. In case the NITTH carries out the work or any part thereof under the provisions of the conditions the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plant and/or Labour provided by the NITTH with an addition of such percentage to cover the superintendence and establishment charges as may be decided by the Engineer in charge, whose decision shall be final and conclusive.

54. <u>TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR: -</u>

Without prejudice to any of the rights or remedies under this contract, if the Contractor dies, or if the firm is dissolved or the company is liquidated, NITTH shall have the option of terminating the contract without compensation to the Contractor.

55. SPECIAL POWER TO TERMINATION: -

If at any time after the award of contract, NITTH shall for any reason whatsoever not require whole or any part of the work to be carried out the Engineer in charge shall give notice in writing of the fact to the Contractor who shall have no claim to any payment of compensation or otherwise howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the fore-closing of the work.

56. LABOUR: -

The Contractor shall remain liable for the payment of all wages or other moneys to his work-people or employees under the payment of Wages Act 1936, Employees Liability Act. 1938, Workmen's Compensation Act 1923 or any other Act or enactment, relating thereto and rules framed, there under from time to time.

57. CORRIGENDUM / AMENDMENT: -

It is tenderer's responsibility to watch for any corrigendum or amendment till the opening of a particular tender that will be posted only at CPPP web site.

58. INDEMNIFICATION: -

The contractor shall at all times indemnify and keep indemnified the principal employer, the head of the office and its officers, servants and agents for and against all third party claims whatsoever (including time not limited to) property loss and damage, personal accident, injury or death of /or property or person of any sub contract and or the servant or agents of the contractor any sub-contractor and or the owner and the contractor shall at his own cost and imitative at all times maintain all liabilities under workman's compensation Act / Fatal Accident Act, personal injuries, Employees state Insurance Act, PF Act and or their industrial legislation from time to time in force.

The Contractor shall be fully responsible for the timely payment of wages, provident fund, bonus or any other benefits payable under the aforesaid Acts, Laws and regulations to the workforce engaged by him at the work premises of the Hostel Zone. The Hostel Office shall not be responsible for these payments or any other liability on this account. The Contractor shall also indemnify and compensate the Hostel Office for any liability incurred by the Hostel Office, if any, including costs incurred thereon. In that event the nominated officer of the Hostel Office shall be entitled to recover the amount so paid, from the contractor, including forfeiture of the Security Deposit and if the sum so payable and the Security Deposit is less than NITTH's claim, it shall be lawful for the NITTH to recover the balance amount as a debt from the Contractor.

The Contractor shall indemnify and compensate the Hostel Office, if the Hostel Office as Principal Employer under the Contract Labour (Regulation and Abolition) Act, 1970 becomes liable to assume any liability towards the workforce engaged by the contractor. In that event, the provisions relating to recover as provided in relevant clauses of the said Act shall be applicable in to.

59. DISPUTE RESOLUTION MECHANISM:

In case of any dispute arising out during execution of the contract the following procedure will be followed for resolving the issue. The decision of competent authority, NITTH in regard to the interpretation of the terms and conditions shall be final and binding which shall not be called in question in proceedings before any forum. The Hostel Office rules shall be binding for execution of the contract. Further, in case of any dispute arising out of or in connection with the aforesaid contract either during subsidence of the contract or thereafter will be settled at his/her level by mutual consultation and in case of failure, Clause 9 Arbitration proceedings mentioned in this tender will be in effect. Jurisdiction for any dispute claims shall be made in courts/ Tribunal having jurisdiction over Trichy, TN, India.

60. ARBITRATION:

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions hereinbefore mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the work or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of the mutually appointed Arbitrator, the proceedings shall be in English and in accordance with Alternative Dispute Resolution (ADR) Act 1996 or any amendment thereof . The decision of the sole Arbitrator is binding and conclusive.

It is a term of the contract that the party involving arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute. The arbitrator(s) may from time to time with consent of the parties enlarge the time for making and publishing the award.

The work under the Contract shall, if reasonably possible, continue, during the arbitration proceedings and no payment due or payable, to the Contractor shall be withheld on account of such proceeding.

The arbitrator shall give a separate award in respect of each dispute or difference referred to him. The venue of arbitration shall be such place as may be fixed by the mutual agreement of the parties. The award of the arbitrator shall be final, conclusive and binding on all parties to this contract.

In the event of disputes or differences arising between one public sector enterprise and a Govt. Department or between two public sector enterprises the above stipulations shall not apply or its amendments for arbitration shall be applicable.

61. FORCE MAJEURE CLAUSE:

If at any time during the continuance of this contract, the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) then provided notice of happening of any such events is given by either party to other within twenty-one days from the date of occurrence thereof neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non-performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by NITTH subject to prompt notification by the tenderer to NITTH of the particulars of the events and supply to the NITTH if required of any supporting evidence. Any waiver of time in respect of partial instalment shall not be deemed to be a waiver of time in respect of remaining deliveries.

The correspondence exchanged against the tender from both tenderer and NITTH through email are considered as valid document legally though it is not signed. It is treated as valid confirmations made on behalf of the respective company and very much comes under the legal ambit of the business transaction and hence it is binding on both the parties to the business.

Any transaction pertaining to the tender from both the parties of business done round the

clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business.

In case Letter of Intent (LOI) is issued through email, the PC generated time and date of mail shall be construed as the official time and date of release of LOI. In as much as this date is within the last date of validity given by the tenderer the LOI is said to have been issued within the validity period and shall be bidding on both the parties to the business.

Tenderers participating in the tender should declare in their technical bid that whether they have been black-listed / kept on hold for a specified period / given Business holiday for a specified period by any public sector undertaking or Government departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to NITTH. If no such details are mentioned in the offer, then it will be construed that the subject tenderer is not under any such hold. But at a later date if it comes to the notice of NITTH about any such hold under enforcement on the subject tenderer, NITTH will have every right to reject the offer of such vendors at any point of time and also under any stage of the finalization of the subject tender irrespective of the status of the subject tenderer in that tender. Such tenderers will not be permitted to participate in the further tender proceedings and will be communicated suitably. They will not be also considered for any ongoing tenders even if participated till the hold is officially lifted and confirmed in writing.

62. COMPENSATION FOR DELAY:

If the contractor fails to maintain the required progress or to complete the work and clear the site on or before the contracted or extended period of completion, he shall, without prejudice to any other right or remedy of the NITTH on account of such breach, pay as agreed compensation an amount calculated as stipulated below or such smaller amount as may be fixed by the NITTH on the contract value of the work for every week that the progress remains below or that the work remains incomplete. This will also apply to items or group of items for which separate period of completion has been specified.

For this purpose, the term 'Contract Value' shall be the value at contract rates of the work as ordered and the compensation for delay is by way of recovery at **0.5 percent** of contract value per week of delay provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the contract value or of the contract value of the item or group of items of work for which a separate period of completion is given.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the NITTH.

63. Deployment of Labour for Special Work

63.1 Exclusivity of Personnel for Special Work

In the event that the Contractor is directed to execute any Special Work-defined as work outside the routine, standard scope of daily operations or regular maintenance. The Contractor must depute entirely separate or extra labor specifically and exclusively for the execution of such Special Work and the regular labour should not be deployed for the same.

63.2 Absolute Restriction on Manpower Cost Claims:

The Contractor shall not be entitled to claim any additional manpower costs, daily wages, overtime, or headcount-based expenses for the extra labor deployed under this clause. The mobilization, remuneration, and management of these additional manpower shall be the sole financial responsibility of the Contractor.

63.3 Value-Based Basis of Payment

Compensation for Special Work shall be claimed and settled strictly on a "Work Executed" basis. Payment will be computed solely against verified, measured quantities of completed work at the unit rates defined in the Bill of Quantities (BOQ) as per tender documents. Under no circumstances will payment be processed on a labor-time or headcount basis.

64. Deployment of Regular Manpower

64.1 Exclusivity of Personnel for regular maintenance services

The regular manpower (skilled / unskilled labor and supervisors) deployed by the Contractor under this contract must be engaged exclusively for the daily routine operations, regular maintenance services and AMC works specified within the Hostel Zone of NITTH. Under no circumstances shall the Contractor utilize, divert any regular deployed manpower for any work or project other than the designated AMC work, whether such work is situated inside or outside the institute campus.

Any unauthorized diversion of the committed workforce to external tasks shall be treated as a major material breach of contract, attracting the following consecutive actions:

- **Immediate recovery of penalty** at the rate of ₹1,000/- per day per individual for the duration of the unauthorized diversion, which will be directly deducted from the Contractor's Running Account (RA) monthly bills.

64.2 Compulsory Biometric Attendance Tracking:

To ensure total transparency and verify actual daily deployment, every labour and supervisor deployed under this contract must follow the biometric attendance system established at the hostel office. Daily attendance shall be processed, verified, and locked strictly as per the standard term and conditions mandated by the NITTH Administration. No manual logs shall be entertained for monthly bill verification unless backed by verified biometric data records.

	NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI -620 015.
	HOSTEL ADMINISTRATION COMMITTEE

V. PERFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of Quantities: List of items as per the attached **Schedule-A**

SCHEDULE 'B'

Schedule of Materials to be issued to the contractor

Sl. No.	Description of Item	Quantity	Rate at which the material will be charged to the Contractor	Place of Issue
.....NIL…….				

SCHEDULE 'C'

Tools and Plants to be hired to the Contractor

Sl. No.	Description	Hire Charges per Day	Place of Issue
……NIL……			

SCHEDULE 'D'

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

---NIL---

SCHEDULE 'E'

Reference to General Condition of Contract: As per the Tender Document.

Name of the Work	Annual Maintenance Contract for Civil Works for Hostel Zones at NIT-Trichy.
Estimated Cost of Work	**Rs.97,88,100/- (Incl. GST @ 18%)**
Earnest Money	Rs. 2,93,700/-
Security Deposit	SD shall be **5%** of the contract amount, valid up to stipulated date of completion and Six (6) months beyond that.

SCHEDULE 'F'

General Rules & Directions:

Officer Inviting Tender	HAC, National Institute of Technology, Tiruchirappalli Hostel.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses12.2 & 12.3	NA There are no quantity limitations. For any quantity of item of work, the quoted rates only applicable.
Definitions	
2(v) Engineer -in- Charge	Consultant Engineer, National Institute of Technology, Tiruchirappalli Hostel.
2(viii) Accepting Authority	HAC, National Institute of Technology, Tiruchirappalli Hostel.
2(x) Percentage on cost materials and Labour to cover all overheads and profit	15 % (Fifteen Percent)
2(x)(b) Standard Schedule of Rate	CPWD, Delhi Schedule of Rates (DSR) 2023 Civil, (with up-to-date correction slips).
2(xi) Department	HAC, National Institute of Technology, Tiruchirappalli Hostel.

9(ii) Standard Contract Form	GCC maintenance 2023, CPWD form-7 as modified & corrected up to date.
Clause 1	
i)Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance, in days.	15 (Fifteen) Days
ii)Maximum allowable extension beyond the period provided in (i) above	7 (Seven) Days
Clause 1A	
Whether Clause 1A is applicable	Applicable. The Defect liability period shall be One year from the date of actual completion.
Clause 2	
Authority for fixing Compensation under Clause 2	HAC, National Institute of Technology, Tiruchirappalli Hostel.
Clause 2A	
Whether Clause 2A shall be applicable	Yes
Clause 3(VII)	If the contractor had secured the contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering or commits breach of Integrity Agreement-will be made ineligible.
Clause 5	
Number of days from the date of issue of letter of acceptance for reckoning date of start	7 Days or date of issue of LOC whichever is later
Milestones	Not Applicable
Time allowed for execution of work	**365 Days**
Authority to give fair and reasonable Extension of time for completion of work (as per hindrance register)	HAC, National Institute of Technology, Tiruchirappalli Hostel.
Rescheduling of mile stones	…….NA……..
Clause 6	
Measurement Book	Computerized Measurement of Bills
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	Gross Work: Rs.2,50,000/- (in case above mentioned amount not achieved, considering the maintenance work, the bills shall be paid on monthly basis irrespective of the bill value).
Clause 10 A	
List of testing equipment to be provided by the contractor at site lab.	As specified in the tender document.
Clause 10 B (ii)- Secured advance on Materials:	
Whether Clause 10 B (ii) shall be applicable	Not Applicable

Clause 10 C	
Component of labour expressed as percentage of value of work	Not Applicable
Clause 10 CA	Not Applicable
Clause 10 CC	
Increase/Decrease in Price of materials/ wages	Not Applicable
Clause 11	
Specification to be followed for execution of work	**DSR Items:** CPWD Specifications 2019 Vol. I & II, with up-to-date correction slips. **MORTH Items:** MORTH Specifications 2013, with up-to-date correction slips. **Market Rate Items:** Particular Specifications.
Clause 12: Type of Work	Maintenance Work
12.2 & 12.3: Deviation limit beyond which Clause 12.2 &12.3 shall apply for building work	No limit for quantity. For all quantities, agreement rates shall be applicable. **Extra Items:** *i) which items are available in the standard schedule of rates (DSR items), shall be paid as per the schedule rate plus cost index (at the time of tender@3%) plus/minus percentage above/ below quoted contract amount.* *(ii) Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate.*
Clause 14:	
Whether Clause 14 is applicable	Yes
Clause 16	
Competent Authority for deciding reduced rates.	HAC, National Institute of Technology, Tiruchirappalli Hostel.
Clause 17	
Defect Liability Period	One Year
Clause 18	
List of mandatory machinery, tools &plants to be deployed by the contractor at site	As per the scope of work
Clause 25	
Settlement of disputes by Conciliation and Arbitration:	
Conciliator	The Chief Warden
Authority to appoint Arbitrator	The Director
Place of Arbitration	Tiruchirappalli
Venue of Arbitration	NIT-Tiruchirappalli
Type of Arbitration Tribunal	Sole Arbitrator

Note: Provisions of Arbitration and Conciliation Act 1996 with latest amendments in force shall be applicable.

Clause 32: Requirement of Technical Representative(s) and Recovery Rate

Sl. No.	Qualification	No.	Designation	Rate at which the recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32
1.	B. Tech (Civil)/ Diploma (Civil)	1	Graduate Engineer /Diploma Engineer	Rs. 1,000/- per Absence per Day

VI. SPECIAL CONDITIONS OF CONTRACT

1. Every tenderer is expected to inspect NITTH (Hostel Zone) for which the service is to be rendered before quoting service charges. The requirement of experienced labour under respective trade and required tools & tackles for the nature of work in general should be assessed and no claim for extra payment at a later date on that account shall be entertained. Without written permission of HAC, NITTH, no part of the contract shall be sublet, shall transfer the power of attorney, authorizing others to receive the payment on contractor's behalf.

2. If further information is required, the Hostel Office will furnish such information, but it must be clearly understood that tender must be received in order and according to instruction.

3. The contractor should employ workers who have experience in civil maintenance work.

4. Child Labor is strictly prohibited and if there is any violation, the contract will be terminated.

5. Permits for workers to the Zone / building shall be obtained by the contractor from the concerned authorities. Only photo passes shall be issued and no group passes shall be issued.

6. In case NITTH be held liable for any loss, damage or compensation to third party arising by the contractor, such loss, damage or compensation shall be paid by the contractor to NITTH together with the cost incurred by NITTH on any legal proceedings pertaining thereto.

7. Necessary monthly bills should be submitted by the contractor on or before seventh of subsequent month by fulfilling all formalities attaching copy of statutory remittances.

8. All expenses related to the functioning of the employees engaged by the contractor shall be in the scope of the contractor. The record of duty hours and pay structure should be maintained as per rules for inspection by authorized government personnel and meeting other statutory and non-statutory benefits/obligations.

9. The contractor should take all measures for environmental protection, such as control of chemical pollution, proper disposal of waste etc., and ensure that there is no adverse effect on the ecology, particularly on flora and fauna of the Hostel Zone.

10. The contractor shall collect completion certificate for the work done from the respective Department/ resident / steward which is to be handed over to HAC latest the next day of completion.

11. The printed booklets of complaints list with serial number to be maintained by the contractor (Enclosure-I).

12. Percentage Quoting Mechanism:

a) The bidder shall quote a single percentage rate, either above, below, or at par with the applicable Schedule of Rates (SOR) for the respective Zone.

b) Item-wise rates, selective percentage quotations, conditional rebates, or any other form of differential quoting shall not be permitted and are liable to result in rejection of the bid.

c) The percentage quoted by the bidder shall remain firm and unchanged throughout the contract period, including any extension granted by the Hostel Office in accordance with the contract conditions.

13. The quoted percentage should be inclusive of all taxes and duties levied or to be levied both by Central and State Government Statutory / regulatory authorities from time to time except Service Tax. NITTH will not entertain any claim whatsoever in this regard. However, NITTH will reimburse only service tax paid by the agency on submission of documentary evidence for having paid so with respect to this work.

14. If after opening the tender, the tenderer revokes his tender to increase his earlier quoted rate or after acceptance of his tender does not commence the work in accordance with the instruction of HAC the earnest money deposited by him, will be forfeited and acceptance of his tender withdrawn.

15. In cases where the total value of work is likely to exceed the sanctioned contract amount, the provisions of Clause 12 of the GCC for Maintenance Works–2023 shall apply.

16. **Extra Items:** Extra Items are those items which are not available in the contract Schedule of Quantities.

16.1 Any item of work not included in the Schedule of Quantities but found necessary for satisfactory execution of maintenance works shall be treated as an Extra Item.

16.2 Payment for Extra Items shall be regulated in accordance with Clause 12.2 of the GCC for Maintenance Works–2023.

16.3 In the case of Percentage Rate Tenders, Extra Item(s) that are available in the Standard Schedule of Rates (DSR Items) shall be paid at the applicable Schedule of Rates, including the approved Cost Index considered in the estimated cost put to tender, plus or minus the percentage quoted by the Contractor on the estimated cost put to tender.

16.4 In the case of Extra Item(s) that are not available in the Standard Schedule of Rates (Non-DSR Items), the Contractor may, within fifteen (15) days from the date of receipt of the order or occurrence of the item, whichever is earlier, submit a claim for determination of market rate(s), duly supported by:

- Detailed analysis of rates;
- Manufacturer's specifications, where applicable;
- Quotations, invoices, vouchers, and other supporting documents; and
- Any other information required by the Engineer-in-Charge.

Failure of the Contractor to submit the claim within the stipulated period shall render the rate subsequently determined by the Engineer-in-Charge final and binding on the Contractor.

Upon receipt of the Contractor's claim, the Engineer-in-Charge shall, within forty-five (45) days, examine the documents submitted, assess prevailing market rates, and determine a reasonable rate for the item.

Payment shall be made accordingly.

The rates for Extra Items determined by the Engineer-in-Charge in accordance with Clause 12.2 of GCC for Maintenance Works–2023 shall be final and binding on the

Contractor and shall not be subject to arbitration or dispute.

17. Contract Period: Exhaustion of Agreement Amount and Extension of Contract Period, in case of Agreement Amount not fully Utilized during Contract Period:

17.1 The contract shall remain valid for a period of one (1) year from the stipulated date of commencement of work, unless terminated earlier in accordance with the provisions of the contract.

17.2 In the event that the sanctioned contract amount is exhausted before the expiry of the original contract period, the Contractor shall continue to attend maintenance works as directed by the Engineer-in-Charge, subject to the provisions and financial limits prescribed under Clause 12 of the GCC for Maintenance Works–2023. The agreement shall, however, remain in force up to the original completion period for fulfilment of all contractual obligations, including completion of ongoing works, measurements, submission of bills, defect rectification, and settlement of accounts.

17.3 Exhaustion of the sanctioned contract amount before expiry of the contract period shall not automatically entitle the Contractor to any extension of time or enhancement of the contract value, except as specifically approved by the Competent Authority in accordance with the provisions of the GCC for Maintenance Works–2023.

17.4 If the sanctioned contract amount is not fully utilized during the original contract period, the Institute/HAC may, at its sole discretion and subject to satisfactory performance of the Contractor, extend the contract for a further period of up to **two (2) year or part thereof months** on the same terms, conditions, rates, and percentage quoted by the Contractor, without any escalation whatsoever.

17.5 Extension of the contract period shall be considered only upon mutual consent of both parties and shall be subject to approval by the Competent Authority. The Contractor shall have no claim for extension as a matter of right.

17.6 During the extended period, the Contractor shall continue to execute maintenance works under the same scope, conditions, specifications, and contractual obligations as applicable under the original agreement.

18. Extension of Contract Period on Availability of Additional Funds after Exhaustion of Original Agreement Amount

18.1 In the event that the original sanctioned contract amount is exhausted and additional funds are subsequently sanctioned and made available by the NITTH, the contract may, subject to mutual consent of both parties and approval of the Competent Authority, be extended for a further period not exceeding **two (2) year or part thereof months** on the same terms, conditions, specifications, and percentage quoted by the Contractor.

18.2 Such extension shall be governed by the provisions and financial limits prescribed under Clause 12 of the GCC for Maintenance Works–2023 and shall not constitute a fresh contract.

18.3 During the extended period, no escalation, additional compensation, or revision of rates shall be admissible unless specifically provided under the GCC for Maintenance Works–2023.

18.4 The Contractor shall have no claim for extension of the contract or enhancement of the contract value as a matter of right merely on account of availability of additional funds.

19. Complaint Management and Record Keeping:

19.1 The Contractor shall maintain Complaint Registers, Maintenance Registers, Digital Databases, Microsoft Excel Sheets, or any other record-keeping system approved by the Engineer-in-Charge for effective monitoring and execution of maintenance works.

19.2 Complaints received through the Hostel's online portal, helpdesk, e-mail, telephone, written communication, WhatsApp or any other authorized mode shall be attended to and resolved within the timelines prescribed by the Engineer-in-Charge.

19.3 Complete records of complaint registration, assignment, attendance, rectification, and closure shall be maintained, clearly indicating the date and time of receipt, commencement of work, completion of work, and closure of the complaint.

19.4 The Contractor shall submit monthly complaint reports, maintenance records, work completion reports, measurement records, photographs (wherever required), and all other relevant documents necessary for processing the Running Account (RA) Bill to the Engineer-in-Charge before submission of the monthly bill.

19.5 Failure to maintain proper records or submit the required documents may result in withholding of the RA Bill, either partly or wholly, until compliance is achieved to the satisfaction of the Engineer-in-Charge.

19.6 All records maintained under this contract shall be made available for inspection by the Engineer-in-Charge or any authorized representative of the HAC whenever required.

20. Material Procurement and Quality Assurance

20.1 All materials used in the execution of maintenance works shall conform to the latest CPWD Specifications, relevant BIS Standards, manufacturer's specifications, and any other quality requirements stipulated by the Engineer-in-Charge.

20.2 Materials shall be procured from approved manufacturers, authorized dealers, or approved sources wherever specified in the contract, CPWD Specifications, or as directed by the Engineer-in-Charge.

20.3 The Contractor shall, whenever required, submit samples of materials for approval before procurement and use. Approval of samples shall not relieve the Contractor of responsibility for ensuring compliance with the specified quality standards.

20.4 The Contractor shall furnish test certificates, manufacturer's warranty certificates, batch certificates, invoices, laboratory test reports, and any other supporting documents as may be required by the Engineer-in-Charge to establish the quality and authenticity of materials.

20.5 The Engineer-in-Charge shall have the right to inspect, test, or arrange testing of any material at any stage of procurement, storage, or incorporation into the work. The Contractor shall provide all necessary assistance for such inspection and testing.

20.6 Any material found to be defective, substandard, damaged, adulterated, counterfeit, or not conforming to the specified standards shall be rejected and shall be removed from the site by the Contractor at his own cost within the time stipulated by the Engineer-in-Charge.

20.7 Any work executed using rejected, defective, or non-conforming materials shall be dismantled, removed, and re-executed by the Contractor at his own risk and cost without any additional payment.

20.8 No payment shall be admissible for rejected materials, defective work, dismantled

work, or work requiring rectification due to the use of substandard materials.

20.9 The cost of testing materials, where tests are required under the specifications or directed by the Engineer-in-Charge due to suspected quality deficiencies, shall be borne in accordance with the provisions of the GCC for Maintenance Works–2023.

20.10 The Contractor shall be solely responsible for the quality, durability, performance, and suitability of all materials incorporated in the work and shall remain liable for defects attributable to material quality during the applicable defect liability or warranty period.

20.11 Acceptance of materials or certification of bills by the Engineer-in-Charge shall not absolve the Contractor of responsibility for defects, deficiencies, or non-conformity detected subsequently.

21. Measurement and Payment

21.1 Measurements of all works executed under the contract shall be recorded in accordance with the provisions of the GCC for Maintenance Works–2023, CPWD Works Manual, CPWD Specifications, and other applicable instructions issued by the Hostel Office.

21.2 Payment shall be made only for the actual quantities of work satisfactorily executed, measured, recorded, and accepted by the Engineer-in-Charge.

21.3 The percentage quoted and accepted by the NITTH shall be applied to the measured quantities at the applicable Schedule of Rates for determining the amount payable to the Contractor.

21.4 Running Account (RA) Bills shall be submitted and processed in accordance with the frequency, conditions, and procedures specified in Schedule 'F' and other relevant provisions of the contract.

21.5 Submission of a Running Account Bill shall not imply acceptance of the quality or quantity of work, and the Engineer-in-Charge reserves the right to make corrections, recoveries, adjustments, or deductions in subsequent bills and/or the final bill.

21.6 The Contractor shall submit all supporting documents, measurement records, complaint closure records, test certificates (wherever required), invoices, photographs (wherever required), statutory compliance documents, and any other records prescribed by the Engineer-in-Charge along with the RA Bill.

21.7 Payments made through Running Account Bills shall be treated as interim payments only and shall not constitute final acceptance of the work or waiver of any contractual rights of the NITTH.

21.8 Final payment shall be released only after:

- Completion of all contractual obligations
- Submission of the Final Bill and supporting documents
- Rectification of all defects and deficiencies, if any
- Submission of required warranties, guarantees, and completion records
- Recovery of all dues recoverable under the contract and
- Certification by the Engineer-in-Charge.

21.9 The Hostel Office shall be entitled to withhold, deduct, or recover any amount due from the Contractor under the contract from any Running Account Bill, Final Bill, Security Deposit, Performance Guarantee, or any other sums payable to the Contractor.

21.10 In case of any discrepancy between measured quantities and quantities indicated in the

Schedule of Quantities, payment shall be regulated based on the actual quantities measured and accepted by the Engineer-in-Charge.

22. Performance Monitoring and Evaluation

22.1 The performance of the Contractor shall be periodically monitored and evaluated by the Engineer-in-Charge based on, but not limited to, the following parameters:

a) Timely response to maintenance complaints

b) Timely completion of maintenance works

c) Quality and durability of repairs and maintenance works executed

d) Compliance with prescribed Service Levels and response timelines

e) Adequacy and availability of manpower, supervisory staff, tools, plants, vehicles, and other resources

f) Site management, housekeeping, and work planning

g) Maintenance of registers, complaint records, measurement records, and other contractual documentation

h) Feedback received from occupants, users, authorities, departmental representatives, and other stakeholders

i) Compliance with safety requirements, statutory provisions, and directions of the Engineer-in-Charge

j) Overall adherence to the terms and conditions of the contract.

22.2 The Engineer-in-Charge may maintain monthly performance records, service level reports, complaint analysis reports, inspection reports, or any other performance monitoring mechanism considered necessary for assessing the Contractor's performance.

22.3 Persistent poor performance, repeated delays, failure to maintain prescribed service levels, inadequate deployment of resources, poor workmanship, non-compliance with contractual obligations, or failure to comply with directions of the Engineer-in-Charge may attract action under the GCC for Maintenance Works–2023 and the contract conditions, including but not limited to:

- Recovery of compensation
- Risk and cost execution of work
- Reduction in scope of work
- Withdrawal of one or more Zone(s)
- Withholding of payments
- Rescission/termination of contract
- Forfeiture of Security Deposit and/or Performance Guarantee
- Debarment or other actions as permissible under applicable rules.

22.4 Unsatisfactory performance recorded for three (3) consecutive months, or for any three (3) months during the contract period, may be treated as evidence of persistent non-performance and may constitute grounds for reduction in scope, withdrawal of Zone(s), rescission of contract, restriction on award of additional Zone(s), or any other action

permissible under the contract, subject to compliance with the principles of natural justice and the relevant provisions of the GCC for Maintenance Works–2023.

22.5 Before taking any adverse action on account of unsatisfactory performance, the Contractor shall ordinarily be given an opportunity to explain the reasons for such performance and to take corrective measures within a reasonable period, except in cases involving emergencies, public safety, or circumstances warranting immediate action.

22.6 The decision of the Competent Authority regarding assessment of performance and consequential action under the contract shall be final and binding, subject to the remedies available under the GCC for Maintenance Works–2023.

23. Manpower Deployment

23.1 The Contractor shall deploy adequate supervisory, skilled, semi-skilled, and unskilled manpower, as applicable, for satisfactory execution of the maintenance works in accordance with the requirements mentioned in this tender and the directions of the Engineer-in-Charge.

23.2 The workforce shall be deployed based on the performance test conducted by the NITTH in the relevant trade.

23.3 The contractor shall avoid frequent replacement of working staff and shall do so only with the prior approval of Engineer-in-Charge.

23.4 The contractor shall maintain strict discipline among its workforce and shall abide by and conform to all rules and regulations promulgated by the institute governing the operations. If NITTH feels that the conduct of any of the contractor's workforce is detrimental, the NITTH shall have the right to request for the removal of such workforce either for incompetence, unreliability, misbehavior, and security reasons etc. while on or off the job. The contractor shall comply with any such request to remove such workforce at contractor's expense unconditionally. The contractor will be allowed a maximum of seven working days to replace the workforce with a competent qualified workforce at contractor's cost.

23.5 The manpower deployed shall possess the requisite qualifications, experience, competency, and trade skills necessary for execution of the assigned maintenance works.

23.6 The Contractor shall ensure availability of sufficient manpower at all times to meet the prescribed response times, service levels, and maintenance requirements under the contract.

23.7 In the event of absenteeism, leave, resignation, or replacement of personnel, the Contractor shall promptly provide suitable substitutes so that maintenance services are not adversely affected.

23.8 The supervisors / workers employed by the contractor should be well behaved & polite and any complaint of misbehavior shall be taken very seriously, and the agency will immediately have to remove such staff from the site by making alternative arrangement against the defaulter.

23.9 The Engineer-in-Charge may require augmentation of manpower whenever the deployed strength is found inadequate to meet the maintenance requirements, complaint load, emergency situations, or prescribed service levels. The Contractor shall comply with such directions without any additional financial claim.

23.10 The Contractor shall maintain attendance records, deployment registers, wage records, and statutory compliance records relating to the deployed manpower and shall produce the same for inspection whenever required by the Engineer-in-Charge.

23.11 Failure to deploy the prescribed manpower or maintain adequate staff shall be treated as a breach of contract and may attract compensation, reduction in scope of work, withholding of payments, risk-and-cost action, or any other action permissible under the contract and GCC for Maintenance Works–2023.

23.12 Deployment of manpower in excess of the minimum requirements, if considered necessary by the Contractor for proper performance of the contract, shall be at the Contractor's own cost and no additional payment shall be admissible on this account.

23.13 ***There will be no relations between NITTH, and the workforce engaged by contractors under the contract. No claims for any employment in NITTH will be entertained or tenable. It shall be the sole responsibility of the contractor to regulate and effect any terms of employment with the engaged workforce without any liability whatsoever to the NITTH.***

24. Safety, Health and Environmental Protection

24.1 The Contractor shall comply with all applicable safety regulations, statutory provisions, labour laws, and safety guidelines issued by the Government, CPWD, local authorities, and the Institute from time to time.

24.2 The Contractor shall provide, at his own cost, all necessary Personal Protective Equipment (PPE) such as safety helmets, safety shoes, hand gloves, reflective jackets, safety belts, goggles, face shields, respiratory protection equipment, and any other safety gear required for the nature of work being executed.

24.3 The Contractor shall ensure that all personnel deployed at site are adequately trained and instructed in safe working practices and shall take all necessary precautions to prevent accidents, injuries, damage to property, interruption of services, and environmental hazards.

24.4 Suitable safety measures, warning signs, barricades, caution boards, lighting arrangements, protective coverings, and access control measures shall be provided wherever necessary to safeguard workers, NITTH personnel, students, visitors, and the public.

24.5 The Contractor shall be solely responsible for the safety of his personnel, materials, equipment, tools, and works under execution and shall take all reasonable measures to prevent accidents and unsafe conditions.

24.6 Any accident, injury, loss of life, damage to property, disruption of services, or other incident arising out of or in connection with the execution of the work shall be immediately reported to the Engineer-in-Charge and the concerned statutory authorities, wherever required.

24.7 The Contractor shall be solely responsible for and shall indemnify and keep indemnified the NITTH against all claims, demands, actions, proceedings, damages, compensation, penalties, costs, and expenses arising out of noncompliance with safety requirements, labour laws, statutory obligations, or negligence on the part of the Contractor, his employees, agents, or subcontractors.

24.8 The HAC shall not be liable for any injury, accident, disability, death, compensation, or claims arising out of the Contractor's operations, and all such liabilities shall rest solely with the Contractor.

24.9 Failure to comply with safety requirements may result in suspension of the work, stoppage of unsafe activities, recovery of costs incurred by the HAC, imposition of compensation, or any other action permissible under the contract and the GCC for Maintenance Works–2023.

24.10 Compliance with safety requirements by the Contractor shall not relieve him of any responsibility or liability under the contract, whether or not inspections are carried out by the Engineer-in-Charge.

25. Documentation

The Engineer-in-Charge may require submission of complaint records, measurements, photographs before and after execution in Microsoft Excel formats as prescribed by the Engineer in Charge.

26. Applicability of Percentage Quoted in Financial Bid

26.1 The percentage quoted by the bidder in the Financial Bid, whether **above (Excess), below (Less), or at par** with the estimated cost put to tender, shall be applied uniformly to all items included in the Schedule of Quantities (SOQ) and Abstract of Cost forming part of the tender documents.

26.2 The quoted percentage shall be applicable uniformly to both **DSR Items** and **Non- DSR Items** included in the Schedule of Quantities/Abstract of Cost, unless otherwise specifically provided in the contract or regulated under the provisions of the GCC for Maintenance Works–2023.

26.3 No separate percentage, differential percentage, selective loading, selective discounting, or conditional adjustment shall be permissible for any individual item, group of items, or category of work.

26.4 The accepted percentage shall remain valid throughout the contract period, including any approved extension of the contract, and shall be applied for determining payments for all applicable items executed under the contract.

27. Statutory Requirement:

The contractor should get labour license for the work from licensing authority of the Government by paying necessary fees.

General:

a) Work men should be vigilant while on work.

b) Smoking in the Hostel premise is strictly prohibited.

c) Workers must be free from influence of alcohol.

d) Workers must be physically and mentally fit for work.

e) Workers should avoid causing damage to the Hostel property

f) The NITTH Administration will not accept any responsibility if the work man is injured.

Additional Conditions of Contract

1. Before tendering, the contractor shall inspect the site of work and shall fully acquaint himself about the conditions prevailing at site, availability of materials, availability of land and suitable location for construction of godowns, stores and camp, transport facilities, the extent of lead and lifts involved in the work (over the entire duration of contract) including local conditions, as required for satisfactory execution of the work and nothing extra whatsoever shall be paid on this account.
2. The contractor shall at his own expense and risk arrange land for accommodation of labour, setting up of office, the storage of materials, erection of temporary workshops, and construction of approach roads to the site of the work including land required for carrying out of all jobs connected with the completion of the work. In any case, NITTH shall not permit setting up of labour camps within its premises. If during contract period it becomes necessary to remove or shift the stored materials shed workshop, access roads, etc. to facilitate execution of any other work by any other agency, the contractor shall do as directed by the Engineer-in-Charge and no claim whatsoever, shall be entertained on this account.
3. It shall be deemed that the contractor shall have satisfied himself as to the nature and location of the work, transport facilities, availability of land for setting up of camp etc. The department will bear no responsibility for lack of such knowledge and the consequences thereof.
4. The contractor shall at his own cost submit samples of all materials sufficiently in advance and obtain approval of the Engineer-in-charge. Subsequently, the materials to be used in the actual execution of the work shall strictly conform to the quality of samples approved by the Engineer- in-charge and nothing extra shall be paid on this account. The acceptance of any sample or material on inspection shall not be a bar to its subsequent rejection, if found defective.
5. Materials used on work without prior inspection and without approval of Engineer-in-Charge are liable to be considered unauthorized, defective and not acceptable. The Engineer-in-charge shall have full powers to require removal of any or all of the materials brought to site by contractor which are not in accordance with the contract, Specifications or do not conform in character or quality to the samples approved by the Engineer-in-charge. In case of default on the part of the contractor in removing rejected materials, the Engineer-in- charge shall be at liberty to have them removed at the risk and cost of the contractor.
6. The work shall be carried out in such a manner so as not to interfere/or effect or disturb other works being executed by other agencies, if any.
7. Any damages done by the contractor to any existing work or work being executed by other agencies shall be made good by him at his own cost.
8. The work shall be carried out in the manner complying in all respects with the requirement of relevant rules and regulations of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
9. For completing the work in time, the contractor might be required to work in two or more shifts and no claims whatsoever shall be entertained on this account, notwithstanding the Fact that the contractor will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulations and the agreement entered upon and/or extra amount for any other reasons.

10. The contractor shall maintain in good condition all work executed till the completion of the entire work entrusted to the contractor under this contract and nothing extra shall be paid on this account.
11. No payment will be made to the contractor for damage caused by rain, floods and other natural calamities whatsoever during the execution of the works and any damage to the work on this account shall have to be made good by the contractor at his own cost and nothing whatsoever' shall be paid on this account.
12. The item rates or percentage rates for all items of work, unless clearly specified otherwise, shall include the cost of all labour materials, de-watering and other inputs involved in the execution of the items.
13. Unless otherwise provided in the schedule of quantities or CPWD Specifications the percentage rates tendered by the contractor shall be all-inclusive and shall apply to all heights, depths, leads and lifts.
14. No claim whatsoever for idle labour, additional establishments, costs of hire and labour charges for tools and plants etc. would be entertained under any circumstances.
15. For the safety of all labour directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractors shall, in addition to the provisions of Safety code and directions of the Engineer-in-charge make all arrangements to provide facility as per the provisions of Indian Standard Specifications (Codes) listed below and nothing extra shall be paid on this account.
    - IS 3696 Part I Safety Code for scaffolds and ladders
    - IS 3696 Part II Safety Code for scaffolds and ladders Part II ladders
    - IS 764 Safety Code for excavation work
    - IS 4081 Safety Code for Blasting and Drilling operations,
    - IS4138 Safety Code for working in compressed air.
    - IS 7293 Safety Code for working with construction machinery
    - IS 7969 Safety Code for storage and handling of building materials
    - IS 5216:1982 code of safety procedures and practices in electrical works
16. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards and by providing red flags, red lights and barriers. The contractor shall be responsible for any accident at the site of work and consequences thereof.
17. The Government of India has announced that the four Labour Codes – the Code on Wages, 2019, the Industrial Relations Code, 2020, the Code on Social Security, 2020 and the Occupational Safety, Health and Working Conditions Code, 2020 are being made effective from 21st November 2025. As such the participating bidders are expected to have known about the above said labour laws. The clauses and sub clauses of the above four labour laws are to be implemented on site by the contractor. In case, violation of these clauses will attract penalties as per the stipulated rules of the labour laws. No claim whatsoever on account of such recoveries after giving reasonable notice will be entertained by the NITTH.
18. No night work will be permitted without the written permission of the Engineer – in – charge.
19. Permission for erection of temporary work sheds etc., at site will have to be obtained

from NITTH in writing in advance.

20. The works contract to be entered into with the successful tenderer will be governed by the CPWD works Manual 2014 or the latest in force.
21. The successful tenderer / Contractor shall observe all safety regulations and take necessary safety precaution as called for and Safety Precautions enclosed herewith.
22. In all matters of dispute, the decision of the Hostel Officer, National Institute of Technology, Trichy -620 015. Shall be final and binding on the tenderer / contractor.
23. For Some changes are likely in the layout, design and specifications of the work. The rate quoted shall be deemed to be inclusive of all such contingencies.
24. Engineer in charge / Civil or his duly authorized representative shall have all reasonable times access to Contractor's premises of work and shall have the power at all the reasonable times to inspect and test any portion of the work or examine the materials and workmanship of the structures during their manufacture and test. The contractor shall give due notice in writing to the Inspecting Engineer of NITTH when the materials supplied to be incorporated in the work are ready for Inspection and test. No material shall be incorporated in the work until the inspecting Engineer certified in writing that such materials have been inspected and approved by him or else the rejected material should be removed from site immediately. The contractor should submit in advance every fortnight a detailed programmed of work to be undertaken from time to time strictly in conformities with the "Time and Progress Chart" covering the entire constructed work and reschedule them wherever necessary during the progress of the work so as to achieve the target set.

SAFETY PRECAUTIONS TO BE FOLLOWED AT WORK SITE DURING EXECUTION

The following safety measures should be strictly adhered to, during execution of works at sites.

1. Providing the working platform with toe board and handrail for continuous working at heights.
2. Providing safety belt and life line at all times for men working at heights.
3. Providing dust or fume respirator in places where dust and fume concentration exists.
4. Providing goggles and welding screens.
5. Providing acid and alkali proof rubber gloves for handling acid and alkali and chemical which are corrosive.
6. Providing rubber gloves for working on electrical works.
7. Ensuring proper lashing of the components while being transported in vehicles.
8. The vehicles must have side supports or have body to support the materials conveyed.
9. The materials should not be allowed to extend or overflow the sides of the vehicles.
10. Materials should not be allowed to overhang from the rear edge of the body of the vehicle.
11. Driver of the vehicle must possess license.
12. Vehicle must not be overloaded prescribed limits.
13. Red flags and lights for parts projecting from the body of vehicle must be provided.
14. The speed restrictions within the Institute & Hostel Zone must be strictly adhered to.
15. The gas cylinders must be always handled on trolleys or kept tied down not in use. They should never be rolled as Roller for conveying.
16. Cylinders should not be used without regulators.
17. All excavations must be barricaded and red lamps must be provided.
18. All electrical connections must be properly earthed.
19. Providing helmet, safety belt, etc., for high level work and sufficient number of Industrial Safety nets at appropriate level to safeguard the persons working at high level particularly in roofing etc.,
20. All personal protective equipment conforms with standard specification and Contractor including their sub-contractors, agents and labour engaged on the work are required to scrupulously adhere to the safety regulations, safety precautions and measurers. Any violation thereof will invite punitive action being taken against them. Also, contractors with frequent violations of safety regulations will not be entrusted with further work in this organization.

SAFETY PRECAUTIONS TO BE OBSERVED WHILE TRANSPORTING MATERIALS

I. VEHICLE

1. Vehicles carrying material should have proper registration documents and must be produced on demand by our Security Staff.
2. The light on right side, i.e., over the driver's cabin shall be in working condition.
3. Both the head lights as well as park lamps must be in working conditions.

II. MOVEMENT OF VEHICLE

1. The vehicle should not travel at more than 20 km.ph in our premises.
2. The Driver of the vehicle must possess heavy duty license and produce on demand by the Security Staff.
3. Vehicles carrying inflammable liquids in the tank containers should have grounding chain or the tank should be coated with insulating material also to avoid Static Electricity.
4. In road junctions, speed breakers and railway crossing, the speed should be lowered and vehicle should proceed cautiously.
5. The driving should 'KEEP TO THE LEFT' at all places.
6. The vehicle should not be parked in road which could obstruct the vehicular traffic.
7. No person other than driver should be allowed to sit or stand on the prime mover or trailer.
8. The vehicle should pass only through the approved routes. Short cuts should be forbidden.
9. There must be a safe distance behind another moving truck.
10. The driver should avoid making quick starts, jerky stops or quick turns at excessive speed.

Form - A

FINANCIAL INFORMATION

I. Financial Analysis

Details are to be furnished duly supported by figures in Balance sheet / Profit and loss account for the last three years duly certified by the chartered accountant, as submitted by the applicant to the Income – Tax Department (Copies to be attached).

Sl. No	Details	2023-24	2024-25	2025-26
1.	Gross Annual Turnover in Civil construction & Maintenance related works			
2.	Profit (+) / Loss (-)			

II. Financial arrangement for carrying out the proposed work.

III. Income Tax PAN Details (copy to be enclosed).

IV. Solvency certificate from any Nationalized Bank (copy to be enclosed).

Signature(s) of Applicant (s) with seal

Signature of Charted Accountant with seal

Form - B

Performance Certificate

Performance Report form for works completed during last 7 years
(Attach copies of work order / agreement – Multiple copies may be generated as per requirement)

1.	Name of the work	:
2.	Scope of work	:
3.	Agreement No.	:
4.	Tendered Cost	:
5.	Value of work done	:
6.	Date of commencement	:
7.	Date of Completion	:
8.	Performance	:

Date:

Executive Engineer
Project Manager, or Equivalent

Form – C

Structure and Organization

1. Name and address of the applicant :
2. Telephone No. / Fax No. / E-Mail address :
3. Legal Status (attach copies of original Document defining the legal status)
    a. An Individual :
    b. A Proprietary Firm :
    c. A Firm in Partnership :
    d. A limited Company or corporation :
4. Particulars of registration with various Government bodies (Attach attested photocopy)
    a. Registration Number :
    b. Organization / Place of registration :
5. Names and Titles of Directors and officers with designation to be concerned with this work with designation of individuals authorized to act for the organization.
6. Was the applicant ever required to suspend for a period of more than one month continuously after the work was commenced? If so, give the name of the project and give reasons thereof.
7. Has the applicant or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion?
8. Has the applicant or any constituent partner in case of partnership firm, ever been debarred / black listed for tendering in any organization at any time? If so, give details.
9. Has the applicant or any constituent partner in case of partnership firm, ever been convicted by a court of law? If so, give details.

Signature(s) of Applicant(s) with seal

Annexure-1

Affidavit for not being blacklisted/debarred/restrained

(AFFIDAVIT to be submitted on a 'non-Judicial' stamp paper worth Rs.100/)

(Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

I/we undertake and confirm that our firm/partnership firm has not been blacklisted by any state/Central Departments/PSUs/Autonomous bodies during the last 7 years of its operations. Further that, if such information comes to the notice of the department, then I/we shall be debarred for bidding in NITTH in future forever. Also, if such information comes to the notice of NITTH on any day before date of start of work, the Engineer-in-charge shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee (Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

NOTE: Affidavit to be furnished on a 'non-Judicial' stamp paper worth Rs.100/-

Signature of Bidder(s) or an authorized Officer of the firm with stamp

Signature of Notary with seal

Annexure-2

Declaration about Site Inspection
(By Bidder)

To
The Chief Warden,
National Institute of Technology,
Tiruchirappalli – 15.

Subject: Annual Maintenance Contract for Civil Works for Hostel Zones at NIT-Trichy.

Dear Sir/Madam,

It is hereby declared that as per terms and conditions of this tender document, I/ We the bidder inspected and examined the subject site and its surrounding and satisfy myself / ourselves as to the nature of the ground and sub-soil (so far as is practicable), the forms and nature of the site./ ourselves before submitting the bid, the accommodation which may require and all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid have been obtained. I/We the bidder shall have full knowledge of the site and no extra charge consequent upon any misunderstanding or otherwise shall be claimed in later date. I /We bidder shall be responsible for arranging and maintaining at 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 me/us implies that I / We have read this notice and all other contract documents and has made myself /ourselves aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.

Sincerely

(Duly authorized signatory of the Bidder)

CPWD-7

PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Tender for the "**Annual Maintenance Contract for Civil Works for Hostel Zones at NIT-Trichy.**

1. To be uploaded as per details uploaded in CPP portal at www.eprocure.gov
2. To be opened in the presence of tenderers who may be present at the time of opening in the Engineer in charge, NITTH.
3. The pre-qualification/Technical bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them at a later date.

TENDER

(To be signed in Company's Letterhead)

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, General Conditions of Contract (For construction works) 2023, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Board of Governors 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 One Eighty (180) days from the due date of its opening and not to make any modification in its terms and conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Engineer as per the bid document.

If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said Board of Governors or his successors, in office shall without prejudice to any other right or remedy, be at liberty to take action as per GCC 2023. Further, if I/We fail to commence work as specified, I/We agree that Board of Governors or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee 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 Clauses 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the retendering 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 NITTH in future forever. Also, if such a violation comes to the notice of NITTH before date of start of work, the Engineer in charge, HAC shall be free to forfeit the entire amount of 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 & integrity of NITTH.

Signature(s) of Contractor(s) with seal

Annexure-4

LETTER OF TRANSMITTAL

(To be duly filled, signed, scanned and uploaded along with e-Envelope 1 by the Bidders)

To

The Chief Warden
National Institute of Technology,
Tiruchirappalli – 15.

Sub: Annual Maintenance Contract for Civil Works for Hostel Zones at NIT-Trichy.

Sir,

Having examined the details given in notice inviting qualification application and tender and the qualification documents for the above work, I/ We hereby submit the application for eligibility and the tender (financial Bid) for the work duly filled in.

1. I / We here by certify that all the statement made and information supplied in the enclosed forms and accompanying statements are true and correct.
2. I / We have furnished all information and details necessary for deciding our eligibility to be qualified for taking part in the tendering process for the work. We have no further information to supply.
3. I / We submit the requisite solvency certificate and authorize the Engineer in charge, HAC, NITTH or his representative(s) to approach the bank concerned to confirm the correctness of the certificate.
4. I / We also authorize the Engineer in charge, HAC, NITTH or his representative(s) to approach individuals, firms and corporations to verify our competence and general reputation.
5. I / We submit the following certificates in support of our suitability, technical know-how and capability for having successfully completed following works.

Sl. No.	Name of Work	Amount	Certificate Issued by
1.			
2.			

6. I/We certify that that the tender documents uploaded is the exact replica of the document published by the NITTH and no alterations and additions have been made by me / us in the e-tender document.
7. I am / We are aware that the Financial Bid submitted by me/us will not be opened if I / We do not become eligible after evaluation of my/our application for eligibility.
8. The Original Demand Draft (EMD which was /were scanned and uploaded in the e-Tender shall be deposited by me/us with the Engineer-in-Charge in case I/we become the lowest Bidder within a week of the opening of financial Bid otherwise department may reject the tender.

Seal of the Bidder

Date of submission Signature of the Bidder Enclosures:

Annexure – 5

FORM OF UNDERTAKING FOR NOT TO SUBLET THE WORK

To,
The Chief Warden,
National Institute of Technology,
Tiruchirappalli – 15.

Sub: Annual Maintenance Contract for Civil Works for Hostel Zones at NIT-Trichy.

Sir,

With reference to the above, I hereby undertake not to sublet the work cited above if the work is allotted to me.

Signature and Seal of the Bidder:

Date:

Annexure – 6

UNDERTAKING FOR MINIMUM WORKFORCE SUPPORT REQUIRED FOR WORKS

To,
The Chief Warden,
National Institute of Technology,
Tiruchirappalli – 15.

Sub: Annual Maintenance Contract for Civil Works for Hostel Zones at NIT-Trichy.

It is to certify that we will ensure the minimum workforce as mentioned below will be deployed during the entire tenure of the contract, abiding by the tender document terms and conditions

S.No.	Workforce	Qualification & Experience	Qty
1	Graduate Engineer / Diploma Engineer	B.Tech (Civil) with 5 Years of Experience / Diploma (Civil) with 8 Years of Experience	1
2	Skilled Carpenter		3
3	Skilled Plumber		3
4	Skilled Mason		2
5	Helper		3

However, in case of any emergency works, major breakdown works, to attend the complaints within 8 hours, extra workforce will be deployed as per requirement but we will not claim the charges for the same.

Signature and Seal of the Bidder:

Date:

Annexure-7

PROCESS COMPLIANCE/ACCEPTANCE OF TENDER CONDITIONS FORM

The Form has to be submitted in the Letter Head of the Firm/Company/Enterprises along with appropriate Sign & Seal)

To

The Chief Warden,
National Institute of Technology,
Trichy – 15

Sub : Acceptance to the Process related & Terms and Conditions for the- Limited tendering

Ref. : The Terms & Conditions for e-Tendering mentioned in Tender.

No. :

Sir,

We hereby confirm the following.

The undersigned is authorized representative of the company. We have carefully gone through the NITTH, Tender Documents and the Rules governing the Limited Tender along with this document. We have examined and have no reservations to the Bidding Documents, including addendum (if any). We offer to supply in conformity with the Bidding Documents and in accordance with the condition of contact specified in this tender document. We will honour the Bid submitted by us during the Limited Tender. We give undertaking that if any mistake occurs while submitting the bid from our side, we will honour the same.

Bid Securing Declaration: - We accept that if we withdraw or modify Bids during the period of validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in this bids document, we will be suspended / blacklisted / banned for contracts with National Institute of Technology, Tiruchirappalli

We are aware that if NITTH has to carry out e-tender again due to our mistake, NITTH has the right to disqualify us for this tender when refloated. Our bid shall be valid for the period from the date fixed for the bid submission deadline & it shall remain binding upon us and accepted at any time before the expiration of bid validity period as per this tender.

If our bid is accepted, we commit to provide a performance security deposit at 5% of purchase value in Bank Guarantee /Fixed Deposits for due performance of the contract as per NIT Tiruchirappalli policy and warranty-guarantee as per tender specification or agrees as per contract. We understand that this bid, together with your written acceptance thereof included in your notification of i/placement of order, shall constitute a binding contract between us. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive. We accept that the competent authority in NITTH will have full right to reject any/all offer(s) without assigning any reason thereof and does not bind itself to accept the lowest or any other tender and full authority to postpone the tender issue date, submission /opening date or to alter any other condition of tender /cancellation of this tender, as per policy/committee recommendations of NITTH at any stage without assigning any reason thereof for which no claim from whomsoever will be entertained. I/We the undersigned have read the entire terms and conditions of this Tender document and we are fully agreeable to the terms and conditions mentioned herein. The decision of competent authority of NITTH with respect to this Tender-Result will be fully agreeable and binding on us.

This letter can be treated as signed and acceptance copy of tender documents and the forms submitted as signed by competent authority of firm submitting this tender and there is no need to submit separate signed copy of tender document.

Competent Authority of the Firm/Company/Enterprises to sign:

Name

Designation Date with stamp & seal of organization

Annexure-8

Contract Agreement No……TENDER

To
The Chief Warden,
National Institute of Technology,
TIRUCHIRAPPALLI –620 015.

I / We hereby offer to carry out the work of

I / We hereby carefully perused the following documents connected with the above noted work and agree to abide by the same.

1. Specifications (General & Particular)
2. Drawings
3. Schedule 'A',
4. Bill of Quantities
5. CPWD works Manual in force.

I / We forward herewith the sum of Rs……...as Earnest Money, which shall be refunded should this tender be rejected. I / We further agree to deposit such sum which along with the sum of Rs… .....mentioned above shall make
up 50% of the fully Security Deposit for this work as provided for under conditions of the NATIONAL INSTITUTE OF TECHNOLOGY General Conditions of Contract.

I / We further agree to execute all the work referred to in the said documents upon the terms & conditions contained or referred therein and as detailed in Schedule 'A' and Bill of Quantities thereto and to carry out such deviations as may be ordered, vide conditions of the NITTH upto a maximum of 30% of the tendered amount of Rs…….

I / We further agree to refer all disputes, as required to the sole arbitration of an Officer, to be appointed by The Chief Warden, NITTH., in his sole discretion whose decision shall be final and binding.

WITNESS Signature of the Contractor

Date:

1. …….

2. …….

Annexure-9

NO RELATION CERTIFICATE

(On letter head of the firm)

1. I/We hereby certify that I/We am/are related/not related to any officer of NITTH. (If related provide the details of the employee)

2. I/We am/are aware that, if the facts subsequently proved to be false, my/our contract will be rescinded with forfeiture security deposit and I/We shall be liable to make good the loss or damage resulting from such cancellation.

3. I//We also note that, non-submission of this certificate will render my / our tender liable for rejection.

Date:
Place: **Authorized Signatory**

Name :
Seal :
Designation :
Contact No :

Annexure-10

Bid Security Declaration

To
The Chief Warden,
National Institute of Technology,
Tiruchirappalli – 620 015.

Tender/ Bid No..... , dated:

(Notice Inviting E-Tender for Annual Maintenance Contract for Civil Works for Hostel Zones at NIT-Trichy.)

Sir/ Madam,

We, the undersigned declare that

1. We understood that, according to the tender conditions, bids must be supported by a Bid Security Declaration.

2. We accept that we will automatically be suspended from being eligible for bidding in any contract with the Institute for the period of 2 **years** starting from the bid closing date, if we are in breach of our obligation(s) under the bid conditions, because we;

    a) have withdrawn our bid during the period of bid validity specified in the letter of bid; or

    b) having been notified of the acceptance of our bid by the NITTH during the period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the tender conditions.

Date:
Place: **Authorized Signatory**

Name :
Seal :
Designation :
Contact No :

Annexure-11

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date:

To

The Chief Warden,
National Institute of Technology,
Tiruchirappalli – 620 015,
Tamil Nadu

Sub:	Authorization for release of payment / dues from National Institute of Technology, Tiruchirappalli Hostel through Electronic Fund Transfer/RTGS Transfer.

1. Name of the Party / Firm / Company / Institute :
2. Address of the Party :
3. City_____Pin Code_____
4. E-Mail_____Mobile No:_____
5. Permanent Account Number_____
6. Particulars of Bank:

Bank Name:							Branch Name:												
PIN Code:							Branch Code:												
IFS Code:(11-digit alpha numeric code)																			
Account Type	Savings						Current						Cash Credit						
Account Number:																			

DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information, I shall not hold The Chief Warden, National Institute of Technology Tiruchirappalli responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Date:
Place:

Authorized Signatory
Name :
Seal :
Designation :
Contact No :

BANK GUARANTEE FOR SECURITY DEPOSIT

(To be executed on non-judicial stamp paper of ₹ 100/- (Rupees One Hundred Only) or as per appropriate Stamp Act.)

1. THIS DEED OF GUARANTEE made this on _____By Name of Bank in favor of M/s. National Institute of Technology, Tamil Nadu, Tiruchirappalli 620 015, having its registered office at National Institute of Technology, Trichy -620015.

2. WHEREAS Ms. National Institute of Technology (hereinafter called the "COMPANY")have placed work order(s) which are pending as on date and also proposes to place further work order(s) (hereinafter called the "CONTRACT" up to xx.xx.202x for Work order no…….. **Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy** Dated With (Name of the Contractor & Address) (herein after called the "CONTRACTOR") and as per the terms of the contract, the company has issued/proposes to issue raw materials to the contractor to enable them to complete the work.

3. AND WHEREAS one of the conditions for placing such contract(s) is that the Contractor/ Supplier shall provide the Company a Bank Guarantee for……/-(3%-5% of contract value) in lieu of cash and towards the security deposit for the raw materials supplied and to be supplied, in pursuance of the contract(s) already placed but pending as on date and the contract(s) to be placed from time to time up to 31.08.2027 and also for the satisfactory performance and completion of work/supply as per the terms and conditions of the said contract(s).

4. AND WHEREAS the Name of the Contractor approached the Name of the Bank and at their request and in consideration of the arrangement arrived at between the said Contractor Name of the Contractor and the said Bank.

5. We Name of the Bank do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of Inss or damage caused to or would be caused to or suffered by the Company by reason of breach by the said Contractor(s) of any of the terms and conditions contained in the said Agreement or by the reason of the contractor(s) 'failure to perform' the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding ……/-

6. We Name of the Bank further assure that the Contractor/ Supplier shall be responsible for the safe custody and protection of the raw materials that have been supplied/and to be supplied by NITTH under the contract(s) already placed but pending as on date and to be placed up to 01.09.2026 against all risks till they are delivered back as finished products to NITTH as per the terms and conditions of the Contract or as they may direct and until such time, the Contractor/ Supplier shall hold the raw materials in trust for NITTH and shall not alienate the same in any manner whatsoever by way of sale or mortgage or charge or hypothecation etc. in favor of anyone else including the bank herein or any other banks /financial institutions etc.

7. The raw materials shall always remain the property of NITTH and the Bank shall indemnity NITTH against the loss, damage or deterioration whatsoever in respect of the said raw materials while in the possession of the Contractor/Supplier. The raw materials of NITTH shall always be open for inspection by any Officer authorized by NITTH. The liability under this Guarantee is a continuing one covering all contracts already placed but pending as on

date and to be placed up to and should any loss or damage occur on account of the breach of the terms and conditions of the said contract(s) by the Contractor/ Supplier or should any surplus raw materials become due to the Company under the Contract(s) and remains undelivered by the Company, the Bank shall indemnify the Company for the loss /damage for the value of raw materials for `__----------__/- (Rupees __---------- only) and this is without prejudice to any other remedies which may be othervise available to the Company by deduction from any sum due or any sum which at any time hereinafter become due from the Contractor/ Supplier under this or any other Contract(s).

8. We undertake to pay unconditionally to the Company any money so demanded notwithstanding any dispute(s) raised by the Contractor in any suit, or proceedings pending before any Court or Tribunal or Arbitration or before any other authority relating thereto our liability under this present being absolute and unequivocal. The payment under this guarantee would not wait till the disputes have been decided by any Court or Tribunal or in the arbitration proceedings or by any other authority. The payment so made by us under this Bond shall be a valid discharge of liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.
9. We Name of the Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken force of the said Agreement and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till xx.xx.202x Office / Department/ Division of the Company certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

   (i) Unless a demand or claim under this guarantee is made on us in writing on or before the xx.xx.202x we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable notwithstanding the fact that the said enforcement is affected after the said date.

   (ii) For the purpose of this clause, any letter making demand on the Bank by M/s. NIT dispatched by Registered Post with Ack. Due or by Telegram or by any electronic media addressed to the above-mentioned address of the Bank shall be deemed to be the claim / demand in writing referred to above irrespective of the fact as to whether and when the said letter reaches the Bank, as also any letter containing the said demand or claim is lodged with the bank personally.
10. We Name of the Bank further agree with the company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the company or any indulgence by the company to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating would but for this provision have effect of not so relieving us.
11. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
12. It shall not be necessary for the company to proceed against the contractor before proceeding against the guarantor-bank and the guarantee herein contained shall be enforceable against

them notwithstanding any security, which the company may have obtained or obtain from the Contractor shall, at the time when proceedings are taken against the guarantor hereunder be outstanding or unrealized.

13. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Tiruchirappalli.
14. The guarantor hereby declare that it has power to execute this guarantee and the executant has full powers to do so on its behalf under the proper authorities granted to him/them by the guarantor.
15. We Name of Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company inwriting.
16. In witness whereof we Name of the Bank have hereunto setout Bank Seal the xx.xx. 202x.

Dated:
(Name of the bank)

Note: This guarantee should be issued on non-judicial stamped paper, stamped in accordance with stamp act.

INTEGRITY PACT **Annexure-13**

(For the use of successful bidder)

(To be submitted on Rs. 100/- stamp paper)

The Chief Warden, NITTH (represented by the Authorized Person), having office at NITTH, Tamil Nadu – 620015, hereinafter referred to as the 'NITTH Administration',

AND

(Name of The Applicants and consortium members) ……hereinafter referred to as "The applicant/Contractor/contractor".

Preamble: The NITTH Administration intends to award, under laid down organizational procedures, contract for Tender No ..... The department values full
compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its applicants. The Central Vigilance Commission (CVC) has been promoting integrity, transparency, equity and competitiveness in Government / PSU transactions and as a part of Vigilance administration and superintendence, CVC has, recommended adoption of Integrity Pact and provided basic guidelines for its implementation in respect of major procurements in the Government Organizations.

Section 1. Commitments of the Department

1. The department commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
    a. No employee of the department, personally or through family members, shall in connection with the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
    b. The department shall, during the pre-contract stage, treat all APPLICANTs alike, and shall provide to all APPLICANTs the same information and shall not provide any such information to any particular APPLICANT which could afford an advantage to that particular APPLICANT in comparison to other APPLICANTs.
    c. The department shall exclude from the process all known prejudicial persons.
2. If the department obtains information on the conduct of any of its employees which is a criminal offence under the relevant anti-corruption laws of India, or if there be a substantive suspicion in this regard, the department shall inform its Vigilance Office and in addition can initiate disciplinary actions. In such a case, while an enquiry is being conducted by the department, the proceedings under the contract would not be stalled.

Section 2. Commitments of the Applicant / Contractor / Contractor:

1. The applicant/Contractor commits themselves to take all measures necessary to prevent corrupt practices, unfair means and illegal activities, during pre-contract as well as

post- contract stages. He commits himself to observe the following principles during the contract execution.

a. The applicant/Contractor shall not, directly or through any other person or firm, offer, promise or give to any of the department's employees involved in the execution of the contract or to any third person any material or immaterial benefit, which he/she is not legally entitled to, in order to obtain in exchange of advantage of any kind, whatsoever during the execution of the contract.

b. The applicant/Contractor shall not enter with other applicants 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 applications, or any other actions to restrict competitiveness, or to introduce cartelization in the tender process.

c. The applicant/Contractor shall not commit any offence, under the relevant anticorruption laws of India; further the applicant/Contractor shall not use improperly, for purposes of competition, or personal gain, or pass on to others, any information or document provided by the department, as part of the business relationship, regarding plans, technical applications and business details, including information contained or transmitted electronically.

d. The applicant shall not collude with other parties interested in the contract to impair the transparency, fairness and progress of the tender process, application evaluation, contracting and implementation of the contract.

e. The applicant/Contractor shall, when presenting his application, 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.

f. The applicant commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

g. The applicant shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Income-Tax Department.

h. The applicant/Contractor shall not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3. Disqualification from or exclusion from future contracts:

1. If the applicant, before award of contract, has committed a transgression, through a violation of Section-2 or in any other form, such as to put his reliability as applicant, into question, the department is entitled to disqualify the applicant, from the tender process, or to terminate the contract, if already signed, for such reason.

2. If the applicant/Contractor has committed a transgression, through a violation of Section-2, such as to put his reliability, or credibility into question, the "NITTH Administration" is entitled to disqualify the applicant/Contractor from the tender process, terminate the contract if already awarded and also, to exclude the applicant/Contractor from future contract award processes. The imposition and

duration of the exclusion shall be determined by the severity of the transgression. The severity shall be determined, by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the hierarchy of the concern of the applicant and the amount of the damage. The execution shall be imposed for a minimum of 6 months and maximum of 3 years.

3. The applicant accepts and undertakes to respect and uphold, the "NITTH Administration" absolute right to resort to and impose such exclusion and further accepts and undertakes, not to challenge or question such exclusion, on any ground, including the lack of any hearing before the decision, to resort to such exclusion is taken.

Section 4. Compensation for damages:

1. If the "NITTH Administration" has disqualified the applicant, from the tender process prior to the award, according to Section-3, the department is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.
2. If the "NITTH Administration" has terminated the contract according to Section-3, or if the department is entitled to terminate the contract according to Section-3, the department shall be entitled to demand and recover from the Contractor, liquidated damages equivalent to 5% of the contract value, or the amount equivalent to Security Deposit/Performance Guarantee, whichever is higher.
3. The applicant agrees and undertakes to pay the said amounts, without protest or demur.

Section 5. Previous transgression:

1. The applicant declares that, no previous transgression has occurred in the last 3 years, with any other company, in any country, or with any other Central/State Govt. organization or PSU, that could justify his exclusion from the award of the contract.
2. If the applicant makes incorrect statement on this subject, it can be declared disqualified for the purpose of the contract and the same can be terminated for such reason.
3. The applicant or any of its partners/directors, etc., should not have been blacklisted/debarred by any of the government agencies or should not have been found to be guilty of moral turpitude or convicted of any economic offense or with violation of any labour laws, etc. by any court or any authority appointed to enforce any labour laws.

Section 6. Equal treatment of all Applicants/Contractors/Sub-Contractors:

1. The applicant/Contractor undertakes to demand from all sub-contractors, a commitment in conformity with this Integrity Pact, and to submit it to the department before contract signing.
2. The "NITTH Administration" shall enter into agreements with identical conditions as this one which all applicants, Contractors and sub-contractor.
3. The 'NITTH Administration" shall disqualify all applicants from the tender process, who do not sign this part or violates its provisions.

Section 7. Criminal charges against violating Applicants/ Contractors:

If the 'NITTH Administration" obtains knowledge of conduct of an applicant/Contractor or sub-contractor, or of an employee, or a representative, or an associate of an applicant/Contractor, or sub-contractor, which constitutes corruption, or if the 'NITTH Administration" has substantive suspicion, in this regard, the department shall take necessary action accordingly.

Section 8. Pact Duration:

1. This pact begins when both parties have signed it. It expires 12 months after the last payment under the contract agreement is made.
2. If any claim is made/lodged during this time, the same shall be binding and continue to be valid, despite the lapse of this Pact, as specified above, unless it is discharged/determined the department.
3. The Pact duration in respect of unsuccessful applicants shall expire after 3 months of the award of the contract.

Section 9. Other Provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the NITTH, i.e. Tiruchirappalli, Tamil Nadu.
2. Changes and supplements as well as termination notices, need to be made in writing, before they become effective and binding on the both parties.
3. If the applicant / Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.
4. Should one or several provisions of this agreement, turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties shall strive to come to an agreement, to their original intensions.

For the "NITTH" For the Applicant/Contractor

Place: Tiruchirappalli.

Witness-1: ..... Witness-1: .....

Witness-2: ..... Witness-2: .....

Date: Date:

Annexure-14

Similar Works Experience details

Sl. No.	Name of the Work/ Project and Location	Work Order No. & Date (Copies to be attached)	Date of successfully completion of Work (Copy of completion certificate from client to be attached)	Annual Value of Work Order	Contact Details of Client

Date:
Place:

Authorized Signatory

Name:
Seal
Designation:
Contact No:

Enclosure I

(Printed Booklet with Sl.No.)

CIVIL COMPLAINT SHEET

Complaint No.		**Registered Date**	
Complainer		**Issued Date**	
Contact No.		**Completion Due Date**	
Hostel		**Actual Completion Date**	
Location		**Remarks**	
Nature of Complaint			
Category		**Issuer Signature:**	

Work Description and Material Usage Details

Sl. No	Work/Item Description	Unit	Quantity
1.			
2.			
3.			
4.			

*Additional entries can be made other side, if required.

Performance	Good ☐	Satisfactory ☐	Poor ☐

Contractor Sign **Complainer Sign & Date** **Engineer in charge**

- -

Office Use Only

Item No.	Description	Rate	Quantity	Total (Rs.)
			Total	
			Penalty (if any)	
			Net Total	

Contractor **Engineer-in-charge**

To be submitted along with running bills.

Enclosure -II

MAINTENANCE COMPLAINT REGISTER

Sl. no	Complaint No	Complaint Date	Completed Date	Nature of Complaint	Material Used	Qty	Item no	Rate	Penalty Amount	Total Amount

1. Total no. of complaints received:
2. Total no. of complaints attended:

Annexure-15

CHECKLIST

Sl. No.	Particulars	Details	Document Proof
1	Name of the agency / firm / company		
2	Address of the Office of the agency / firm / company Land Line No Mobile No Email		
3	Website / URL of the agency (all the Institute requirements must be placed on the agencies website for wider publicity)		
4	Legal status Individual / proprietary / partnership firm / limited company / corporation, etc.) (Submit Copy of the appropriate registration certificate)		Submitted/ Not submitted
5	Name, designation, and details of contact person. Land Line No Mobile No Email		
6	Month and Year of commencement.		Submitted/ Not submitted
7	In case of company, registration number issued by Registrar of Companies (or) Registration number of the firm		Submitted/ Not submitted
8	Permanent Account Number (PAN).		Submitted/ Not submitted
9	Goods and Service Tax Registration number.		Submitted/ Not submitted
10	Registration number issued by Regional Provident Fund Commissioner.		Submitted/ Not submitted
11	Registration number issued by Employees State Insurance Corporation.		Submitted/ Not submitted

12	The Average annual financial turnover of the Bidder during preceding three financial year shall not be less than **Rupees Two (02) Crore** as per the annual report (audited balance sheet and profit & loss account), duly authenticated by a Chartered Accountant. **The Bidder should have profit in the last financial year.** Submit copies of the audited Balance Sheets duly certified by the Chartered Accountant and income tax returns filed for all the financial years. FORM-A. **[These documents are mandatory for the bids to be considered]**	Financial Year - 2025- 2026: Rs…… Financial Year - 2024- 2025: Rs…… Financial Year - 2023- 2024: Rs……	Submitted/ Not submitted
13	Experience in successful Completion of Civil Maintenance Works in Central / State Government/State Autonomous Bodies / Public Sector Undertaking / reputed private limited companies/ reputed educational institutions/University as on the last date of receipt of bids. Copy of work order must be attached along with work completion/ performance certificate of the concerned and clearly mentioning annual value of contract.	Should be filled in **Annexure-14** along with the documentary proof. Copy of work order must be attached along with work completion/ performance certificate of the concerned and clearly mentioning annual value of contract.	Submitted/ Not submitted
14	In case the tender is signed by the person other than the sole proprietor / owner, authorization given by the Executive Body authorizing the officer /partner for signing the tender documents for this tender to be submitted on letter head.		Submitted/ Not submitted
15	Submit certificate of non-blacklisting as provided in Annexure-1		Submitted/ Not submitted
16	Earnest Money Deposit payment details		Submitted/ Not submitted
17	Submit acceptance of Process compliance as provided in Annexure-7		Submitted/ Not submitted
18	Submit Bid security declaration as provided in Annexure-10		Submitted/ Not submitted

19	Submit unconditional acceptance of the tender terms and conditions on a letter head in the prescribed format given at Annexure-8		Submitted/ Not submitted
20	Submit No relation certificate as provided in Annexure-9		Submitted/ Not submitted
21	Submitted Mandate form for electronic fund transfer/ RTGS as provided in Annexure-11		Submitted/ Not submitted
22	Solvency certificate details	Bank: Date of Issue: Amount:	Submitted/ Not submitted
23	Sign all pages of the tender document that are signed by the tenderer.	Yes/No	
24	Any other information relevant to the tender		

Date:
Place:

Authorized Signatory

Name:
Seal
Designation:
Contact No:

Filling of checklist is mandatory.

PART-B

PRICE BID

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 15
HOSTEL ADMINISTRATION COMMITTEE

Web: www.nitt.edu **Phone: 0431 –2504135**

TENDER DOCUMENT
PRICE BID

Name of work	:	**Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy.**
Value of work	:	**Rs.97,88,100/- (Incl. GST)**
Tender Enquiry No.	:	**NITTH/Hostel_Civil_AMC/Tender/2026-27/01 Dt: 06.11.2026**
Period of Contract	:	**12 Months (Extendable for of 2 years on yearly basis or part thereof months based on performance)**

SCHEDULE 'A'

LIST OF WORKS AND PRICES

NAME OF WORK:

The items mentioned in the Schedule-A are indicative. These items only use mostly. If any additional items need to be executed based on the requirement and rates will be calculated as per the procedure mentioned in the tender document.

The bidder shall quote a percentage rate (+/-) on the above contract value. The percentage quoted by the successful bidder shall be uniformly applicable to all items specified in Schedule-A of the tender document. Accordingly, the rates payable for individual items shall be derived by applying the quoted percentage over or below the corresponding item rates in Schedule-A.

The work under each item as executed shall be measured and priced at the corresponding rate calculated based on the quoted percentage by the contractor in the Price Bid.

Sl.No.	Description of work /supplied	Total amount of Work (Excl.GST) Rs.	Period of contract
1.	Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy.	Rs.82,95,000/- (Rupees Eighty two lakhs ninety five thousand Only) (Excl. GST)	12 Months (Extendable for 2 years on yearly basis or part thereof months based on performance)

Tentative Quantity			
This tentative quantity represents the approximate volume of work executed last year; it may vary from year to year based on the actual operational work requirements and is provided solely as a reference to help bidders understand the general scope, not as a guarantee of the actual quantities to be ordered.			
ITEM No	**SUB-HEADS AND ITEM OF WORK**	**UNIT**	**Overall Previous Year Billed Qty**
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge:		
1.A	All kinds of soil	Sqm	1.08
3	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.		
3.A	All kinds of soil.	Cum	0.42
4	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 :		
4.1	All kinds of soil		
4.1.A	Pipes, cables etc, not exceeding 80 mm dia.	Metre	198.00
4.1.C	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	Metre	3.30
5	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m		
5.1	Ordinary rock :		
5.1.A	Pipes, cables etc. not exceeding 80 mm dia	Metre	5.25
5.1.B	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	Metre	192.60
5.2	Hard rock (requiring blasting)		
9	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	600.00
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level		

12.B	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	Cum	48.98
12.C	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	Cum	46.23
19	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing with cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.		
19.A	50 mm thick	Sqm	6.00
25	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:		
25.A	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	2.52
26	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :		
26.A	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	1.73
28	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.		
28.A	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	3.48
31	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in- Charge.		
31.A	Granite work	Metre	36.42
33	Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete :		
33.C	25 mm thick	Sqm	26.55
35	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer- in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	343.20
39	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick		
39.2	Particle Board 12 mm thick		

39.2.A	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II IS: 12823 marked	Sqm	0.92
42	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately):		
42.B	18 mm thick	Sqm	1.62
45	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:		
45.A	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	11.58
50	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :		
50.B	25 mm dia	Metre	24.15
54	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	9.00
55	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.	Each	53.00
56	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	18.00
58	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	Each	6.00
59	Providing and fixing ISI marked aluminium butt hinges 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:		
59.A	125x75x4 mm	Each	113.00
60	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 :		
60.A	300x16 mm	Each	503.00
60.B	250x16 mm	Each	123.00
61	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :		
61.A	300x10 mm	Each	4.00
61.B	250x10 mm	Each	527.00
61.C	200x10 mm	Each	180.00

62	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :		
62.A	125 mm	Each	143.00
62.B	100 mm	Each	48.00
63	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.		
63.A	Single rubber stopper	Each	192.00
63.B	Twin rubber stopper	Each	203.00
64	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	Each	2.00
67	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer- in- Charge.	Metre	23.85
68	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.		
68.A	30 mm thick plain PVC door shutters	Sqm	28.76

76	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
76.A	Hot finished welded type tubes	Kg	27.54
84	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), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	44.04
85	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments		
85.A	Size of Tile 600x600 mm	Sqm	18.27
86	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.		
86.A	Size of Tile 600x600 mm	Sqm	81.51
87	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).		
87.A	Size of Tile 600x600 mm	Sqm	19.44
92	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.		
92.A	75 mm diameter	Metre	3.00
92.B	110 mm diameter	Metre	93.00
93	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.		
93.1	Coupler		
93.1.B	110 mm	Each	3.00
93.2	Single tee with door		

93.2.B	110x110x110 mm	Each	6.00
93.3	Single tee without door		
93.4	Bend 87.5°		
93.4.A	75 mm bend	Each	9.00
93.4.B	110 mm bend	Each	18.00
93.5	Shoe (Plain)		
93.5.B	110 mm Shoe	Each	3.00
94	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.		
94.A	75 mm	Each	2.00
94.B	110 mm	Each	6.00
99	12 mm cement plaster of mix :		
99.A	1:4 (1 cement: 4 fine sand)	Sqm	489.59
101	20 mm cement plaster of mix :		
101.A	1:6 (1 cement: 6 fine sand)	Sqm	36.26
112	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :		
112.A	Two or more coats on new work	Sqm	1235.08
113	Painting with aluminium paint of approved brand and manufacture to give an even shade .		
113.A	Two or more coats on new work	Sqm	58.55
115	French spirit polishing :		
115.A	Two or more coats on new works including a coat of wood filler	Sqm	18.00
117	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.		
117.A	One coat	Sqm	229.89
117.B	Two coats	Sqm	1093.83
118	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.		
118.B	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	1925.12
119	White washing with lime to give an even shade :		
120	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sqm	882.63
121	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	1425.15
122	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :		
122.A	One or more coats on old work	Sqm	244.80

123	French spirit polishing :		
126	Finishing walls with Acrylic Smooth exterior paint of required shade :		
126.A	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface.	Sqm	269.73
127	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, all complete as per directions of Engineer-In-Charge.		
127.A	With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	327.00
131	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:		
131.A	Float glass panes of thickness 4 mm	Sqm	326.28
132	Renewing glass panes, with wooden fillets wherever necessary:		
132.A	Float glass panes of thickness 4 mm	Sqm	86.01
133	Renewing glass panes and refixing existing wooden fillets:		
133.A	Float glass panes of thickness 4 mm	Sqm	41.58
139	Providing and fixing single scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer- in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	Sqm	420.90
141	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.		
141.A	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	Cum	12.26
143	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.		
143.A	In cement mortar	Cum	1.46
145	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :		
145.A	Of area 3 sq. metres and below	Each	15.00

146	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :		
146.B	Of area beyond 3 sq. metres	Each	5.00
149	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.		
149.A	For thickness of tiles 10 mm to 25 mm	Sqm	184.77
150	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	29.22
157	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 :		
157.A	15 mm to 40 mm nominal bore	Metre	1.00
159	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.	Each	18.00
160	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	491.18
162	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	13.92
165	Supplying and stacking at site.		
165.C	Good earth	Cum	0.56
181	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	Sqm	4.50
182	Laying old cement cocrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer- in- charge.	Sqm	6.00
185	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :		
185.A	W.C. pan with ISI marked white solid plastic seat and lid	Each	6.00
187	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:		

187.A	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	Each	2.00
193	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.		
193.A	10 litre capacity - White	Each	68.00
194	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete :		
194.A	White solid plastic seat with lid	Each	5.00
195	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	Each	8.00
196	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
196.1	Semi rigid pipe		
196.1.B	40 mm dia	Each	5.00
196.2	Flexible pipe		
196.2.B	40 mm dia	Each	209.00
200	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.		
200.A	Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	Each	65.00
201	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	2.00
203	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.		
203.A	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	60.00
208	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. INTERNAL WORK - EXPOSED ON WALL		
208.B	20 mm nominal outer dia Pipes	Metre	8.25
208.C	25 mm nominal outer dia Pipes	Metre	241.50
208.D	32 mm nominal outer dia Pipes	Metre	57.75
208.E	40 mm nominal outer dia Pipes	Metre	39.00
208.F	50 mm nominal outer dia Pipes	Metre	6.00
209	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of		

	joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.		
209.D	32 mm nominal outer dia Pipes	Metre	57.75
210	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. EXTERNAL WORK		
210.A	20 mm nominal outer dia Pipes	Metre	18.90
210.B	25 mm nominal outer dia Pipes	Metre	296.90
210.C	32 mm nominal outer dia Pipes	Metre	42.00
210.D	40 mm nominal outer dia Pipes	Metre	147.90
210.E	50 mm nominal outer dia Pipes	Metre	100.20
212	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work		
212.C	32 mm dia nominal bore	Metre	3.00
214	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :		
214.A	25 mm nominal bore	Each	3.00
214.B	32 mm nominal bore.	Each	2.00
214.C	40 mm nominal bore	Each	6.00
215	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :		
215.A	15 mm nominal bore	Each	2.00
215.C	25 mm nominal bore	Each	23.00
225	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc.		
225.1	100 mm diameter		
225.2	125 mm diameter		
225.2.B	Class II	Each	5.00
225.3	150 mm diameter		
225.4	200 mm diameter		
225.4.A	Class I	Each	3.00
225.5	250 mm diameter		
225.6	300 mm diameter		

227	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :		
227.A	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each	5.00
232	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :		
232.A	20 mm nominal bore	Each	5.00
232.B	25 mm nominal bore	Each	8.00
232.E	50 mm nominal bore	Each	5.00
232.F	65 mm nominal bore	Each	12.00
234	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.		
234.A	Circular tank	Per litre	6000.00
240	Providing and fixing PTMT bib cock of approved quality and colour.		
240.B	15 mm nominal bore, 122mm long, weighing not less than 99 gms	Each	76.00
240.C	15 mm nominal bore, 165 mm long, weighing not less than 110 gms	Each	85.00
241	Providing and fixing PTMT stop cock of approved quality and colour.		
241.A	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	15.00
242	Providing and fixing PTMT pillar cock of approved quality and colour		
242.A	15 mm nominal bore, 107 mm long, weighing not less than 110 gms	Each	220.00
242.B	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	Each	243.00
243	Providing and fixing PTMT grating of approved quality and colour.		
243.1	Circular type		
243.1.A	100 mm nominal dia	Each	45.00
247	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.		
247.C	25 mm nominal bore, 152 mm long, weighing not less than 440 gms	Each	8.00
247.E	50 mm nominal bore, 242 mm long, weighing not less than 1240 gms	Each	20.00
248	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	Each	198.00

253	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.		
253.B	15 mm nominal bore with 45 cm length	Each	443.00
255	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	Each	33.00
267	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete		
267.1	For fixed portion		
267.1.A	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	86.57
267.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)		
267.2.A	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	483.75
267.2.B	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	71.94
268	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade l Type ll, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings		
268.A	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sqm	55.02
269	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge.		
269.A	With float glass panes of 4.0 mm thickness	Sqm	1.62
269.B	With float glass panes of 5.50 mm thickness	Sqm	30.67
277	Supply of Manpower for special works for which material will be supplied by Department.		
277.A	Carpentry	Each	83.00
277.B	Mason	Each	147.00
277.C	Fitter/Plumber	Each	122.00
NITT Already Approved Items			

278	Attending general carpentry works/faulty works (Minor) to all doors, windows & ventilators etc complete.	Each	4120.00
279	Attending general Masonry and other works/faulty works (Minor) to all locations etc complete.	Each	658.00
280	Attending general Plumbing and other works/faulty works (Minor) to all locations etc complete.	Each	3842.00
281	Attending line burst repair work in water pumping lines (Open and Submerged) including supply of the respective burst line etc, Rate including cost of all materials & labour charges, refilling of the earth, etc complete.(Earth work will be paid extra)		
281.A	1. ¾" PVC 15 kg Finolex/ astral/ kundan or equivalent	Rm	22.50
281.B	2. 1" PVC 15 Kg Finolex/ astral/ kundan or equivalent	Rm	15.00
281.C	3. 1 ¼" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	4.50
281.E	5. 2" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	72.00
285	Providing and fixing mosquito net shutter with 20 mm width powder coated aluminium frame to the fixed on the wood / ms frame / Aluminum frame on the opening as per site condition. The 20mm width powder coated aluminum frame shall be all round the shutter,three vertical and one horizontal.the mesh shutter made of stainles steel materials and fixed to the frame etc., complete,the rate is including cost of all materials and labour charge etc., complete.	Sqm	28.40
289	PTMT Health faucet	Each	176.00
290	PVC Flush tank inner set	Each	84.00
292	1 1/4" SS Waste coupling for Wash basin/Urinal	Each	21.00
294	15mm Two way PTMT Tap	Each	98.00
297	Supply and fixing of 18mm thick Green plywood (water proof)	Sqm	31.16
304	Reflecting Sticker Board with Base 1.5mm Aluminium Sheet Reflecting Sticker White Colour Letters base Red Colour Back Support L Angle 1"2" Round Pipe MS Post 10' Feet Board	Each	0.00
305	Removing and refixing door shutters upto 0.90m x 2.10m size including planing the top and bottom face upto 10mm including fixing with stainless steel screws etc complete as directed by the Engineer-in charge. (cost of new hinges shall be paid seperately wherever required)	Each	1250.00
308	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 75 mm dia PVC Door TEE (Finolex or equivalent make)	Each	12.00
311	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 110 mm dia PVC plain elbow (Finolex or equivalent make)	Each	8.00
314	Repolishing of old Mosaic floors,Dado,skirting etc., in grey and all colours and finishing the surfaces smooth including filling the joints and voids by matching pigments, chips etc complete all as per standard specifications. Rate including cost of materials, hire and running charges of materials,labours etc	Sqm	115.50

317	Providing and fixing PVC cowl to the PVC pipes etc complete as per the direction of Engineer-in- charge.		
318	75 mm Cowl	Each	15.00
319	110 mm Cowl	Each	19.00
322	Providing and fixing powder coated aluminum curtain rod with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangements of approved quality as directed by Engineer-in-charge.	Metre	53.85
329	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS:13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 110 mm door 'L' (Finolex or equivalent make)	Each	2.00
330	Providing and fixing of 18mm thick non decorative plywood (water proof) resting on the walls etc complete.	Sqm	18.00
346	Providing & fixing circular PVC floor trap to pvc pipe etc complete.	Each	21.00
350	Providing and fixing of 12" Dia PVC pipe (6kg/cm2) etc. Rate including the cost of all materials and labour charges etc.complete.(305 mm)	Metre	10.50
352	Providing and fixing brass door stopper etc complete	Each	15.00
362	Dismantling / removing / demolishing as the case may be of the foiiowing by manually / mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unservicable materials by transporting and dumping in the near by low level areas within a lead of 100 metres All as per instructions of Engineer-in -charge.		
362.B	EWC (excluding flushing cistern) / Urinal (earthenware) of any size including foot rests / Wash basin connected fittings / RCC precast sink or other reaby made sinks with connected fittings/ Nahani	Each	11.00
362.C	Flushing cistern of any size	Each	15.00
363	Providing and fixing PVC water pipes and specials conforming to ISS on walls and floors with clamps at one metre spacings, joining with proper adhesive as suggested by manufacturers, cutting and making good the wall etc. complete. (internal work - exposed on walls)		
363.A	PVC Pipe 18/20 mm OD (10 kg/Sq.cm)	Rm	3.00
363.B	PVC Pipe 25 mm OD (10 kg/Sq.cm)	Rm	131.70
363.C	PVC Pipe 32 mm OD (10 kg/Sq.cm)	Rm	105.15
363.E	PVC Pipe 50 mm OD (6 kg/Sq.cm)	Rm	126.00
364	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling willbe paid separately.		
364.C	PVC Pipe 32 mm OD (10 kg/Sq.cm)	Rm	3.30
364.D	PVC Pipe 40 mm OD (6 kg/Sq.cm)	Rm	6.00
364.G	PVC Pipe 75 mm OD (6 kg/Sq.cm)	Rm	61.50
364.H	PVC Pipe 90 mm OD (6 kg/Sq.cm)	Rm	4.50
364.I	PVC Pipe 110 mm OD (6 kg/Sq.cm)	Rm	57.00

364.K	PVC Pipe 160 mm OD (6 kg/Sq.cm)	Rm	67.50
365	Providing and fixing PVC pipes of 4 K.G / Sqcm conforming to ISS including joining with proper adhesive as suggested by manufacturers and suitable clamps for rain water pipes, drainage etc. Rate excludes all specials like shoe, bend, tee, tee with door etc.		
365.A	PVC Pipe 75 mm OD	Rm	232.50
365.B	PVC Pipe 110 mm OD	Rm	47.25
366	Providing and fixing PVC moulded fittings / accessories on walls for rain waterpipes conforming to IS 13592 Type A including joining with seal rings conforming IS 5382 and properadhesive as suggested bymanufacturers etc.Complete.		
366.C	160 x 160 x 160 mm single tee with door.	Each	3.00
366.D	75 x75 x 75 mm single tee without door.	Each	17.00
366.E	110 x110 x 110 mm single tee without door.	Each	3.00
366.G	75 mm shoe	Each	42.00
366.H	110 mm shoe	Each	9.00
366.J	75 mm bend	Each	35.00
366.K	110 mm bend	Each	2.00
367	Providing and fixing in position of brass wheel valve / gate valve (G.M) of approved brand with C.I wheel etc. complete. (ISI marked)		
367.B	32 mm nominal bore	Each	9.00

SCHEDULE - A				
Name of Work : Annual Maintenance Contract for Civil Works for Hostel Zone at NIT- Trichy.				
ITEM No	**DSR. No /Code**	**SUB-HEADS AND ITEM OF WORK**	**UNIT**	**Estimated Rate**
1	2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 Sq.m on plan including getting out and disposal of excavated earth upto 50 m and lift upto1.5 m, as directed by Engineer-in-Charge:		
1.A	2.1.1	All kinds of soil	Sq.m	120.99
2	2.7	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 Sq.m on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in- charge.		
2.A	2.7.1	Ordinary rock	Cu.m	464.87
2.B	2.7.2	Hard rock (requiring blasting)	Cu.m	814.76
3	2.8	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 Sq.m on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil anddisposal of surplus excavated soil as directed, within a lead of 50 m.		
3.A	2.8.1	All kinds of soil.	Cu.m	242.54
4	2.10	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 excavatedsoil as directed, within a lead of 50 m :		
4.1	2.10.1	All kinds of soil		
4.1.A	2.10.1.1	Pipes, cables etc, not exceeding 80 mm dia.	Metre	200.89
4.1.B	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	Metre	328.13
4.1.C	2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	Metre	512.25
5	2.13	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m		
5.1	2.13.1	Ordinary rock :		
5.1.A	2.13.1.1	Pipes, cables etc. not exceeding 80 mm dia	Metre	375.79
5.1.B	2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	Metre	930.54
5.2	2.13.2	Hard rock (requiring blasting)		
5.2.A	2.13.2.1	Pipes, cables etc. not exceeding 80 mm dia	Metre	562.06
5.2.B	2.13.2.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	Metre	1391.73
6	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	Cu.m	182.63
7	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cu.m	1978.90

8	2.28	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.		
8.A	2.28.1	All kinds of soil	Sq.m	31.82
9	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sq.m	16.40
10	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sq.m	8.34
11	2.38	Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting each layer by rolling/ ramming and watering, all complete as per drawing and direction of Engineer -in - charge.	Cu.m	287.18
12	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :		
12.A	4.1.2	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cu.m	7771.98
12.B	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	Cu.m	7341.17
12.C	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	Cu.m	6074.02
13	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sq.m	698.19
14	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :		
14.A	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	Cu.m	8428.82
14.B	5.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cu.m	7997.99
15	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :		
15.A	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cu.m	10112.75
16	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3(1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cu.m	10720.81

17	5.9	Centering and shuttering including strutting, propping etc. and removal of form for:		
17.A	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sq.m	365.41
17.B	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sq.m	785.04
17.C	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sq.m	864.01
17.D	5.9.4	Shelves (Cast in situ)	Sq.m	864.01
17.E	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sq.m	686.18
17.F	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sq.m	895.74
17.G	5.9.7	Stairs, (excluding landings) except spiral- staircases	Sq.m	712.78
18	5.16	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves, including setting in cement mortar 1:3 (1cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cu.m	18967.49
19	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing with cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.		
19.A	5.18.1	50 mm thick	Sq.m	1758.21
20	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		
20.A	5.22.3	Cold twisted bars	Kg	100.49
20.B	5.22.6	Thermo-Mechanically Treated bars of grade Fe- 500D or more.	Kg	100.49
21	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.		
21.A	5.22A.3	Cold twisted bars	Kg	100.49
21.B	5.22A.6	Thermo-Mechanically Treated bars of grade Fe- 500 D or more.	Kg	100.49
22	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in- charge.“(Note :- Cement content considered in this item is @ 330 kg/cum.“Excess/ less cement used as per design mix is payable/recoverable separately).		
22.A	5.33.1	All works upto plinth level	Cum	8856.51
22.B	5.33.2	All works above plinth level upto floor V level	Cum	9187.91

23	5.45	Providing and fixing of expansion joint system related with wall joint (internal/ external) location as per drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221- 02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall conform to ASTM 6063.)		
23.A	5.45.1	Wall Joint of 100 mm gap	Metre	4943.80
23.B	5.45.2	Wall Joint of 150 mm gap	Metre	5573.45
24	5.46	Providing and fixing of expansion joint system of approved make and manufacture for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arragement support plates as per ASTM B221-02. The system shall be such that it provides water tight roof to roof /roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resists damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. (Material shall confirm to ASTM 6063.)		
24.A	5.46.1	Roof Joint of 100 mm gap	Metre	5577.47
24.B	5.46.2	Roof Joint of 150 mm gap	Metre	6242.91
25	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:		
25.A	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	6645.81
26	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :		
26.A	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	8484.91
27	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :		
27.A	6.12.2	Cement mortar 1:4 (1 cement : 4 coarse sand)	Sq.m	843.32
28	6.13	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.		
28.A	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	Sq.m	1047.16
29	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :		

29.A	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	6812.61
30	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.		
30.1	8.2.2	Granite of any colour and shade		
30.1.A	8.2.2.1	Area of slab upto 0.50 Sq.m	Sq.m	5044.29
30.1.B	8.2.2.2	Area of slab over 0.50 Sq.m	Sq.m	4785.99
31	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in- Charge.		
31.A	8.3.2	Granite work	Metre	476.10
32	8.10	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer- in-charge and finished smooth.		
32.A	8.10.2	Granite Stone of approved shade	Sq.m	3775.51
33	8.26	Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete		
33.A	8.26.1	12 mm thick	Sq.m	1332.65
33.B	8.26.2	18 mm thick	Sq.m	1390.98
33.C	8.26.3	25 mm thick	Sq.m	1844.50
34	8.28	Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with :		
34.A	8.28.1	Decorative veneer facings of approved manufacture	Sq.m	1813.51
35	8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer- in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per Sq.m, including pointing in white cement mixed with pigment of matching shade complete.	Sq.m	1181.47
36	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).		
36.A	9.1.1	Second class teak wood	Cum	133200.24
37	9.3	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position :		
37.A	9.3.1	Sal wood	Cum	97609.90
38	9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.		

38.1	9.5.1	Second class teak wood		
38.1.A	9.5.1.1	35 mm thick shutters	Sq.m	3831.50
38.1.B	9.5.1.2	30 mm thick shutters	Sq.m	3491.72
39	9.7	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :		
39.1	9.7.1	Second class teak wood	Sq.m	3096.55
39.2	9.7.5	Particle Board 12 mm thick		
39.2.A	9.7.5.3	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II IS: 12823 marked	Sq.m	1939.11
39.2.B	9.7.5.4	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked	Sq.m	1913.40
40	9.9	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.		
40.1	9.9.1	Second class teak wood		
40.1.A	9.9.1.1	35 mm thick	Sq.m	4603.27
40.1.B	9.9.1.2	30 mm thick	Sq.m	4214.90
41	9.16	Providing and fixing 25 mm thick shutters for cup board etc. :		
41.1	9.16.1	Panelled or panelled & glazed shutters :		
41.1.A	9.16.1.1	Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws	Sq.m	4102.57
41.1.B	9.16.1.2	Second class teak wood including iSi marked nickel plated bright finished M.S. piano hinges with necessary screws	Sq.m	4233.07
41.2	9.16.2	Glazed shutters :		
41.2.A	9.16.2.1	Second class teak wood including ISI marked anodized aluminium butt hinges with necessary screws	Sq.m	3907.26
42	9.17	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately):		
42.A	9.17.1	12 mm thick	Sq.m	748.18
42.B	9.17.2	18 mm thick	Sq.m	951.32
43	9.18	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately).		
43.A	9.18.1	18 mm thick	Sq.m	1160.79
43.B	9.18.2	25 mm thick	Sq.m	1598.22
44	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.		
44.A	9.20.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sq.m	3236.93

45	9.21	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:		
45.A	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sq.m	2229.47
45.B	9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	Sq.m	1950.91
46	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	Sq.m	430.81
47	9.24	Extra for providing vision panel not exceeding 0.1 Sq.m in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):		
47.A	9.24.1	Rectangular or square	Sq.m	185.57
48	9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	Sq.m	99.42
49	9.45	Providing and fixing teak wood lipping of size 25x3 mm in pelmet.	Metre	68.67
50	9.46	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :		
50.A	9.46.2	20 mm dia	Metre	366.43
50.B	9.46.3	25 mm dia	Metre	489.71
51	9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :		
51.A	9.47.1	20 mm dia (heavy type)	Metre	163.07
51.B	9.47.2	25 mm dia (heavy type)	Metre	173.69
52	9.48	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.		
52.A	9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	222.09
53	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1cement : 3coarse sand : 6graded stone aggregate 20mm nominal size).	Each	213.24
54	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	796.36
55	9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.	Each	69.19
56	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	1048.13
57	9.90	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc.complete.		
57.A	9.90.2	Size 50 mm	Each	311.18
58	9.91	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	Each	140.75
59	9.95	Providing and fixing ISI marked aluminium butt hinges 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:		
59.A	9.95.1	125x75x4 mm	Each	139.86
59.B	9.95.2	125x63x4 mm	Each	118.02
59.C	9.95.3	100x75x4 mm	Each	107.53
60	9.96	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 :		
60.A	9.96.1	300x16 mm	Each	282.57
60.B	9.96.2	250x16 mm	Each	242.83
61	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :		
61.A	9.97.1	300x10 mm	Each	121.23
61.B	9.97.2	250x10 mm	Each	107.29
61.C	9.97.3	200x10 mm	Each	92.90
61.D	9.97.4	150x10 mm	Each	76.92
61.E	9.97.5	100x10 mm	Each	60.29
62	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :		
62.A	9.100.1	125 mm	Each	61.73
62.B	9.100.2	100 mm	Each	55.48
62.C	9.100.3	75 mm	Each	48.22
63	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.		
63.A	9.101.1	Single rubber stopper	Each	36.89
63.B	9.101.2	Twin rubber stopper	Each	67.42
64	9.103	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	Each	809.69
65	9.113	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.	Each	792.07
66	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.		
66.A	9.114.1	Triple strip vertical type	Each	48.92
66.B	9.114.2	Double strip (horizontal type)	Each	37.00
67	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame.The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer specification and direction of Engineer-in-Charge.	Metre	459.10

68	9.120	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.		
68.A	9.120.1	30 mm thick plain PVC door shutters	Sq.m	2965.87
69	9.129	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade l Type ll), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	Sq.m	2149.98
70	9.130	Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make, including IInd class teak wood lipping of 25 mm wide x 12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge.		
70.A	9.130.1	With decorative veneering on one side and commercial veneering on other side	Sq.m	1796.04
71	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	109.35
72	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	124.58
73	10.5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.		
73.A	10.5.1	Using M.S. angles 40x40x6 mm for diagonal braces	Sq.m	5408.49
74	10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.		

74.A	10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sq.m	3404.05
75	10.7	Providing and fixing ball bearing for rolling shutters.	Each	458.77
76	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
76.A	10.16.1	Hot finished welded type tubes	Kg	181.14
77	10.17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.	Each	210.59
78	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	90.57
79	10.25	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.		
79.A	10.25.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	Kg	115.17
79.B	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	160.83
80	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	719.72
81	11.1	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:		
81.A	11.1.2	1:6 (1cement : 6 coarse sand)	Sq.m	899.69
82	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.		
82.A	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	Sq.m	572.31
83	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :		
83.A	11.26.1	25 mm thick	Sq.m	1815.38
84	11.37	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), jointing with grey cement slurry @ 3.3kg/Sq.m including pointing the joints with white cement and matching pigment etc., complete.	Sq.m	1021.77
85	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/Sq.m including grouting the joints with white cement and matching pigments etc., complete.		

85.A	11.41.2	Size of Tile 600x600 mm	Sq.m	1447.50
86	11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/Sq.m including grouting the joint with white cement & matching pigments etc. complete.		
86.A	11.46.2	Size of Tile 600x600 mm	Sq.m	1512.36
86.B	11.46.4	Size of Tile 1000x1000 mm	Sq.m	2015.11
87	11.47	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).		
87.A	11.47.2	Size of Tile 600x600 mm	Sq.m	1764.73
88	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.		
88.A	11.56.1	Polished Granite stone slab of colour Black, Cherry/Ruby Red or equivalent	Sq.m	4175.67
89	12.16	10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa @ 35 kg per Cu.m of earth and gobri leaping with mix 1:1 (1 clay : 1 cow dung) and covered with flat tile bricks, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat:		
89.A	12.16.1	With common burnt clay F.P.S.(non modular) brick tile of class designation 10	Sq.m	978.57
90	12.20	Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.	Sq.m	661.34
91	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	Each	277.91
92	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.		
92.A	12.41.1	75 mm diameter	Metre	231.83
92.B	12.41.2	110 mm diameter	Metre	351.66

93	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.		
93.1	12.42.1	Coupler		
93.1.A	12.42.1.1	75 mm	Each	85.45
93.1.B	12.42.1.2	110 mm	Each	126.87
93.2	12.42.3	Single tee with door		
93.2.A	12.42.3.1	75x75x75 mm	Each	153.00
93.2.B	12.42.3.2	110x110x110 mm	Each	218.18
93.3	12.42.4	Single tee without door		
93.3.A	12.42.4.1	75x75x75 mm	Each	134.46
93.3.B	12.42.4.2	110x110x110 mm	Each	206.26
93.4	12.42.5	Bend 87.5°		
93.4.A	12.42.5.1	75 mm bend	Each	98.68
93.4.B	12.42.5.2	110 mm bend	Each	140.10
93.5	12.42.6	Shoe (Plain)		
93.5.A	12.42.6.1	75 mm Shoe	Each	86.75
93.5.B	12.42.6.2	110 mm Shoe	Each	122.85
94	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.		
94.A	12.43.1	75 mm	Each	344.63
94.B	12.43.2	110 mm	Each	345.97
95	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S.		

		sheets and galvanized with zinc coating of 120 gms/Sq.m (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :		
95.A	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I	Sq.m	1263.33
95.B	12.45.4	Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer- in-charge and as per manufacturer's specification, with all 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60	Sq.m	1625.20
96	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per Sq.m as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sq.m	688.27
97	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per Sq.m as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :		
97.A	12.51.1	Ridges plain (500 - 600mm)	Metre	496.05

98	12.52	Providing and fixing tiled false ceiling of specified materials of size595x595 mm in true horizontal level, suspended on inter locking metal gridof hot dipped galvanized steel sections (galvanized @ 120 grams/ Sq.m,both side inclusive) consisting of main "T" runner with suitably spacedjoints to get required length and of size 24x38 mm made from 0.30 mmthick (minimum) sheet, spaced at 1200 mm center to center and cross"T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200mm long spaced between main "T" at 600 mm center to center to forma grid of 1200x600 mm and secondary cross "T" of length 600 mm andsize 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlockedat middle of the 1200x600 mm panel to form grids of 600x600 mm andwall angle of size 24x24x0.3 mm and laying false ceiling tiles of approvedtexture in the grid including, required cutting/making, opening for serviceslike diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T"runners to be suspended from ceiling using GI slotted cleats of size 27 x37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dashfasteners, 4 mm GI adjustable rods with galvanised butterfly level clips ofsize 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T,bottom exposed width of 24 mm of all T-sections shall be pre- painted withpolyester paint, all complete for all heights as per specifications, drawingsand as directed by Engineer-in-charge.		
98.A	12.52.2	GI Metal Ceiling Lay in perforated Tegular edge global whitecolor tiles of size 595x595 mm and 0.5 mm thick with 8 mmdrop; made of GI sheet having galvanizing of 100 gms/Sq.m(both sides inclusive) and 20% perforation area with 1.8 mmdia holes and having NRC (Noise Reduction Coefficient) of0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation and backed with a black Glass fiberacoustical fleece.	Sq.m	1927.66
99	13.1	12 mm cement plaster of mix :		
99.A	13.1.1	1:4 (1 cement: 4 fine sand)	Sq.m	323.38
99.B	13.1.2	1:6 (1 cement: 6 fine sand)	Sq.m	310.61
100	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :		
100.A	13.2.2	1:6 (1 cement: 6 fine sand)	Sq.m	356.88
101	13.3	20 mm cement plaster of mix :		
101.A	13.3.2	1:6 (1 cement: 6 fine sand)	Sq.m	419.31
102	13.16	6 mm cement plaster of mix :		
102.A	13.16.1	1:3 (1 cement : 3 fine sand)	Sq.m	279.96
103		Putty work		
103.A	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sq.m	244.78
103.B	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sq.m	145.41
104	13.33	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) :		
104.A	13.33.1	Flush/ Ruled pointing	Sq.m	359.11
105	13.37	White washing with lime to give an even shade :		
105.A	13.37.1	New work (three or more coats)	Sq.m	36.39
106	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :		
106.A	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	Sq.m	172.99
107	13.44	Finishing walls with water proofing cement paint of required shade :		

107.A	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 Sq.m)	Sq.m	108.93
108	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :		
108.A	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 Sq.m over and including priming coat of exterior primer applied @ 2.20 kg/10 Sq.m)	Sq.m	149.65
109	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:		
109.A	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 Sq.m over and including priming coat of exterior primer applied @ 2.20 kg/10 Sq.m)	Sq.m	159.43
110	13.50	Applying priming coat:		
110.A	13.50.2	With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	Sq.m	69.56
110.B	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sq.m	62.81
110.C	13.50.4	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	Sq.m	33.64
111	13.52	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat,preparation of surface etc complete.		
111.A	13.52.2	On concrete work	Sq.m	219.11
112	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :		
112.A	13.61.1	Two or more coats on new work	Sq.m	145.27
113	13.63	Painting with aluminium paint of approved brand and manufacture to give an even shade .		
113.A	13.63.1	Two or more coats on new work	Sq.m	136.79
114	13.65	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade :		
114.A	13.65.1	Two or more coats on new work	Sq.m	130.68
115	13.68	French spirit polishing :		
115.A	13.68.1	Two or more coats on new works including a coat of wood filler	Sq.m	415.82
116	13.81	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour		
116.A	13.81.1	Old work (one or more coats)	Sq.m	58.42
117	13.82	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.		
117.A	13.82.1	One coat	Sq.m	85.72
117.B	13.82.2	Two coats	Sq.m	128.07
118	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.		
118.A	13.85.1	With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	Sq.m	65.55
118.B	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sq.m	68.91

119	13.87	White washing with lime to give an even shade :		
119.A	13.87.1	Old work (two or more coats)	Sq.m	21.29
120	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sq.m	18.41
121	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sq.m	23.44
122	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :		
122.A	13.99.1	One or more coats on old work	Sq.m	95.79
123	13.103	French spirit polishing :		
123.A	13.103.1	One or more coats on old work	Sq.m	209.47
124	13.109	Finishing walls with water proofing cement paint of required shade :		
124.A	13.109.1	Old work (one or more coats applied @ 2.20 kg/10 Sq.m) over priming coat of primer applied @ 0.80 litrs/10 Sq.m complete including cost of Priming coat.	Sq.m	105.20
124.B	13.109.2	Old work (one or more coats @ 2.20 kg/10 Sq.m) complete.	Sq.m	70.63
125	13.100	Painting with aluminium paint of approved brand and manufacture to give an even shade:		
125.A	13.100.1	One or more coats on old work	Sq.m	89.45
126	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade :		
126.A	13.111.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 Sq.m) on existing cement paint surface.	Sq.m	112.51
126.B	13.111.2	Old work (One or more coat applied @ 0.90 ltr/10 Sq.m).	Sq.m	75.15
127	14.1	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, all complete as per directions of Engineer-In-Charge.		
127.A	14.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	Sq.m	510.07
128	14.2	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.		
128.A	14.2.1	Door chowkhats	Each	1660.98
128.B	14.2.2	Window chowkhats	Each	1048.41
129	14.3	Fixing chowkhat in existing opening in brick/ RCC wall with dash fasteners/ Chemical fasteners of appropriate size (3 nos on each vertical member of door chowkhat and 2 nos on each vertical member of window chowkhats), including Cost of dash fasteners/ chemical fastener.	Each	202.29
130	14.4	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per directions of Engineer-In-Charge.		
130.A	14.4.1	For door/ window/ clerestory window	Sq.m	1178.12

131	14.5	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:		
131.A	14.5.1	Float glass panes of thickness 4 mm	Sq.m	1016.27
132	14.6	Renewing glass panes, with wooden fillets wherever necessary:		
132.A	14.6.1	Float glass panes of thickness 4 mm	Sq.m	1473.08
133	14.7	Renewing glass panes and refixing existing wooden fillets:		
133.A	14.7.1	Float glass panes of thickness 4 mm	Sq.m	1143.59
133.B	14.7.2	Float glass panes of thickness 5.5 mm	Sq.m	1446.85
134	14.9	Renewal of old putty of glass panes (length)	Metre	52.32
135	14.10	Refixing old glass panes with putty and nails	Sq.m	680.07
136	14.11	Fixing old glass panes with wooden fillets (excluding cost of fillets)	Sq.m	633.25
137	14.17	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.	Sq.m	67.51
138	14.18	Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska :		
138.A	14.18.1	With F.P.S. brick tiles	Sq.m	128.31
139	14.72	Providing and fixing single scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer- in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	Sq.m	180.89
140	14.90	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, blackfinished reinforced with glass fibre matt consisting of a coat of bitumenprimer for bitumen membrane @ 0.40 litre/Sq.m by the same membranemanufactured of density at 25°C, 0.87 -0.89 kg/litre and viscocity 70 - 160cps. Over the primer coat the layer of membrane shall be laid using butanetorch and sealing all joints etc., and preparing the surface complete. Thevital physical and chemical parameters of the membrane shall be as under: Joint strength in longitudinal and transverse direction at 23°C as 350/300N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N.Softening point of membrane not less than 150°C. Cold flexibility shall beupto-2°C when tested in accordance with ASTM, D - 5147. The layingof membrane shall be got done through the authorised applicator of themanufacturer of membrane :		
140.A	14.90.1	3 mm thick	Sq.m	500.79
141	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer- in - charge.		
141.A	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	Cu.m	1401.05

142	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cu.m	3309.05
143	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 m lead as per direction of Engineer-in- charge.		
143.A	15.7.4	In cement mortar	Cu.m	1919.69
144	15.9	Demolishing stone rubble masonry 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 :		
144.A	15.9.2	In cement mortar	Cu.m	2291.24
145	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :		
145.A	15.12.1	Of area 3 sq. metres and below	Each	342.15
145.B	15.12.2	Of area beyond 3 sq. metres	Each	468.46
146	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :		
146.A	15.13.1	Of area 3 sq. metres and below	Each	133.71
146.B	15.13.2	Of area beyond 3 sq. metres	Each	176.02
147	15.14	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead :		
147.A	15.14.1	Of sectional area 40 square centimetres and above	Cu.m	4154.98
148	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	5.27
149	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.		
149.A	15.23.1	For thickness of tiles 10 mm to 25 mm	Sq.m	68.40
149.B	15.23.2	For thickness of tiles above 25 mm and up to 40 mm	Sq.m	105.62
150	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sq.m	248.27
151	15.26	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sq.m	98.16
152	15.28	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:		
152.A	15.28.2	Asbestos sheet	Sq.m	72.03
153	15.39	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead :		
153.A	15.39.2	Thickness above 10 mm up to 25 mm	Sq.m	72.44
153.B	15.39.3	Thickness above 25 mm up to 40 mm	Sq.m	84.19
154	15.40	Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead :		
154.A	15.40.1	Thickness up to 40 mm	Sq.m	269.57
155	15.41	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	Sq.m	52.51

156	15.42	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :		
156.A	15.42.1	75 to 80 mm dia pipe	Metre	70.53
156.B	15.42.2	100 mm dia pipe	Metre	72.68
157	15.44	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 :		
157.A	15.44.1	15 mm to 40 mm nominal bore	Metre	139.59
157.B	15.44.2	Above 40 mm nominal bore	Metre	150.39
158	15.45	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer- in-charge:		
158.A	15.45.1	Up to 150 mm diameter	Metre	309.73
158.B	15.45.2	Above 150 mm dia up to 300 mm dia	Metre	425.50
159	15.52	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 m lead.	Each	104.41
160	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sq.m	50.92
161	15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 m lead as directed by Engineer-in- charge.	Sq.m	52.51
162	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cu.m	245.94
163	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	Sq.m	203.97
164	16.2	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	Cu.m	23.15
165	16.3	Supplying and stacking at site.		
165.A	16.3.2	63 mm to 45 mm size stone aggregate	Cu.m	1524.47
165.B	16.3.8	Red bajri	Cu.m	1458.17
165.C	16.3.9	Good earth	Cu.m	722.61
165.D	16.3.10	Moorum	Cu.m	715.86
166	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density .	Cu.m	975.54
167	16.6	Supplying, stacking and Spreading 6 mm thick red bajri, watering and rolling complete including preparation of the surface and rolling.		

167.A	16.6.1	With road roller/ hand roller	Sq.m	22.78
168	16.11	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete.	Sq.m	822.92
169	16.13	Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required.		
169.A	16.13.1	bituminous portion	Cu.m	4689.04
169.B	16.13.2	Water bound macadam	Cu.m	2868.12
170	16.15	Supplying at site :		
170.A	16.15.1	R.C.C.Standards post/struts/rails/pales of mix 1:1.5:3(1 cement : 1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-in- charge (cost of earth works in excavation, concrete works in foundation to be paid separately).	Cu.m	30647.95
171	16.17	Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) Payment to be made per metre cost of total length of barbed wire used.		
171.A	16.17.1	With G.I. barbed wire	Metre	13.04
172	16.18	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.		
172.A	16.18.1	With G.I. barbed wire	Metre	20.59
173	16.19	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	Kg	117.17
174	16.31	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributer including preparing the surface&cleaning with mechanical broom.		
174.1	16.31.1	With rapid setting bitumen emulsion		
174.1.A	16.31.1.1	On W.B.M / W.M.M. @ 0.4kg/Sq.m	Sq.m	12.53
174.1.B	16.31.1.2	On bituminous surface @ 0.25kg/Sq.m	Sq.m	8.58
174.2	16.31.2	With medium setting bitumen emulsion		
174.2.A	16.31.2.1	On W.B.M / W.M.M. @ 0.4kg/Sq.m	Sq.m	19.75
174.2.B	16.31.2.2	On bituminous surface @ 0.25kg/Sq.m	Sq.m	13.10

175	16.36	Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy		
175.A	16.36.1	For 50 mm compacted thickness using coarse aggregate of size 50-20 mm graded @ 0.60 Cu.m per 10 Sq.m key aggregate of size 12.5 mm graded @ 0.15 Cu.m per 10 Sq.m. With paving asphalt grade VG - 10 @ 50 kg/ 10 Sq.m.	Sq.m	471.16
175.B	16.36.2	For 75 mm compacted thickness in two layers using stone aggregate of size 63-41 mm graded @ 0.90 cum per 10 Sq.m key aggregate of size 20.0 mm graded @ 0.18 cum per 10 Sq.m. With paving asphalt grade VG - 10 @ 68 kg/10 Sq.m.	Sq.m	693.40
176	16.68	Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved s;ze, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in- charge.	Sq.m	905.71
177	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cu.m	9427.56
178	16.70	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.		
178.A	16.70.1	Made of G.I. wire of dia 4 mm	Sq.m	948.39
178.B	16.70.2	Made of G.I. wire of dia. 4 mm, PVC coated to achieve outer dia not less than 5 mm in required colour and shade	Sq.m	994.32
179	16.71	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	Sq.m	1070.87
180	16.82	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	Metre	36.67
181	16.83	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	Sq.m	122.76

182	16.84	Laying old cement cocrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer- in- charge. (Old CC paver blocks shall be supplied by the department free of cost).	Sq.m	375.47
183	16.85	Laying at or near ground level old kerb stones of all types in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand), including making joints with or without grooves (thickness of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost)	Metre	101.98
184	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:		
184.A	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	6305.85
185	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :		
185.A	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	6071.17
186	17.5	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :		
186.A	17.5.1	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each	11248.44
187	17.7	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:		
187.A	17.7.4	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	Each	1751.04
188	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	1568.54
189	17.10	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 :		
189.1	17.10.1	Kitchen sink with drain board		
189.1.A	17.10.1.1	510x1040 mm bowl depth 250 mm	Each	6471.89
189.2	17.10.2	Kitchen sink without drain board		
189.2.A	17.10.2.1	610x510 mm bowl depth 200 mm	Each	4603.82

190	17.11	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :		
190.A	17.11.2	Size 600x450x200 mm	Each	6136.63
191	17.13	Providing and fixing white vitreous china water closet squatting pan (Indian type) :		
191.A	17.13.1	Long pattern W.C. pan of size 580 mm	Each	1826.14
192	17.15	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	Each	2595.01
193	17.18	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.		
193.A	17.18.1	10 litre capacity - White	Each	1109.45
193.B	17.18.2	10 litre capacity - coloured	Each	1059.08
194	17.20	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete :		
194.A	17.20.1	White solid plastic seat with lid	Each	638.14
195	17.23	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	Each	1536.48
196	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
196.1	17.28.1	Semi rigid pipe		
196.1.A	17.28.1.1	32 mm dia	Each	96.82
196.1.B	17.28.1.2	40 mm dia	Each	108.74
196.2	17.28.2	Flexible pipe		
196.2.A	17.28.2.1	32 mm dia	Each	111.40
196.2.B	17.28.2.2	40 mm dia	Each	111.40
197	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	1498.29
198	17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :		
198.A	17.32.2	Rectangular shape 453x357 mm	Each	1268.92
199	17.33	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	Each	1009.60
200	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.		
200.A	17.69.1	Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	Each	107.44

201	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	156.87
202	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	Each	216.14
203	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.		
203.A	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	660.60
204	17.74	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	Each	664.55
205	17.75	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	Each	99.89
206	17.76	Providing and fixing PTMT urinal cock of approved quality and colour.		
206.A	17.76.1	15 mm nominal bore, 80 mm long, 42 mm high and 30mm wide with BSP female threads weighing not less than 48 gms	Each	163.43
207	17.78	Providing and fixing white vitreous china extended wall mounting watercloset of size 780x370x690 mm of approved shape including providing &fixing white vitreous china cistern with dual flush fitting, of flushing capacity3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cisternfittings, nuts, bolts and gasket etc complete.	Each	13976.18
208	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. INTERNAL WORK - EXPOSED ON WALL		
208.A	18.7.1	15 mm nominal outer dia Pipes	Metre	267.25
208.B	18.7.2	20 mm nominal outer dia Pipes	Metre	312.15
208.C	18.7.3	25 mm nominal outer dia Pipes	Metre	374.17
208.D	18.7.4	32 mm nominal outer dia Pipes	Metre	483.37
208.E	18.7.5	40 mm nominal outer dia Pipes	Metre	655.00
208.F	18.7.6	50 mm nominal outer dia Pipes	Metre	870.44
209	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.Concealed work, including cutting chases and making good the walls etc.		
209.A	18.8.1	15 mm nominal outer dia Pipes	Metre	463.85
209.B	18.8.2	20 mm nominal outer dia Pipes	Metre	500.93
209.C	18.8.3	25 mm nominal outer dia Pipes	Metre	584.47
209.D	18.8.4	32 mm nominal outer dia Pipes	Metre	688.88

210	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. EXTERNAL WORK		
210.A	18.9.2	20 mm nominal outer dia Pipes	Metre	255.59
210.B	18.9.3	25 mm nominal outer dia Pipes	Metre	331.16
210.C	18.9.4	32 mm nominal outer dia Pipes	Metre	408.69
210.D	18.9.5	40 mm nominal outer dia Pipes	Metre	524.65
210.E	18.9.6	50 mm nominal outer dia Pipes	Metre	740.08
211	18.10	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		
211.A	18.10.2	20 mm dia nominal bore	Metre	407.48
211.B	18.10.3	25 mm dia nominal bore	Metre	514.07
212	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work		
212.A	18.12.2	20 mm dia nominal bore	Metre	343.46
212.B	18.12.3	25 mm dia nominal bore	Metre	435.85
212.C	18.12.4	32 mm dia nominal bore	Metre	503.45
212.D	18.12.5	40 mm dia nominal bore	Metre	574.97
212.E	18.12.6	50 mm dia nominal bore	Metre	710.17
213	18.13	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 :		
213.A	18.13.1	25 to 40 mm nominal bore	Each	849.70
213.B	18.13.2	50 to 80 mm nominal bore	Each	1663.59
214	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :		
214.A	18.17.1	25 mm nominal bore	Each	579.95
214.B	18.17.2	32 mm nominal bore.	Each	642.56
214.C	18.17.3	40 mm nominal bore	Each	769.76
214.D	18.17.4	50 mm nominal bore	Each	956.64
215	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :		
215.A	18.18.1	15 mm nominal bore	Each	379.10
215.B	18.18.2	20 mm nominal bore	Each	430.96
215.C	18.18.3	25 mm nominal bore	Each	432.41
216	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed end) :		
216.1	18.19.1	25 mm nominal bore		
216.1.A	18.19.1.1	Horizontal	Each	551.07
216.2	18.19.2	32 mm nominal bore		
216.2.A	18.19.2.1	Horizontal	Each	737.89
216.3	18.19.3	40 mm nominal bore		
216.3.A	18.19.3.2	Vertical	Each	1057.31
216.4	18.19.4	50 mm nominal bore		

216.4.A	8.19.4.2	Vertical	Each	1346.59
216.5	18.19.5	65 mm nominal bore		
216.5.A	18.19.5.2	Vertical	Each	2135.26
217	18.20	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :		
217.A	18.20.1	15 mm nominal bore	Each	306.84
217.B	18.20.2	20 mm nominal bore	Each	354.09
217.C	18.20.3	25 mm nominal bore	Each	453.60
218	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :		
218.1	18.21.1	30 cm length		
218.1.A	18.21.1.1	15 mm nominal bore	Each	79.20
218.1.B	18.21.1.2	20 mm nominal bore	Each	87.17
219	18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet		
219.A	18.22.1	100 mm diameter	Each	180.72
219.B	18.22.2	150 mm diameter	Each	207.19
220	18.23	Laying in position centrifugally cast (spun) iron S&S or flanged pipes (excluding cost of pipe).	quintal	336.99
221	18.24	Laying in position S&S or flanged C.I. special such as tees, bends, collars, tapers and caps etc.(excluding cost of specials).	quintal	616.71
222	18.25	Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class):		
222.A	18.25.1	Up to 300 mm dia	quintal	5919.15
222.B	18.25.2	Over 300 mm dia	quintal	5919.15
223	18.26	Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538		
223.A	18.26.1	Up to 300 mm dia	quintal	8305.25
224	18.30	Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints :		
224.A	18.30.2	100 mm diameter pipe	Each	309.36
224.B	18.30.5	200 mm diameter pipe	Each	399.41
224.C	18.30.7	300 mm diameter pipe	Each	558.62
224.D	18.30.8	350 mm diameter pipe	Each	710.87
224.E	18.30.9	400 mm diameter pipe	Each	994.04
224.F	18.30.10	450 mm diameter pipe	Each	1216.56
224.G	18.30.11	500 mm diameter pipe	Each	1339.74
224.H	18.30.12	600 mm diameter pipe	Each	1587.88
225	18.31	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :		
225.1	18.31.1	100 mm diameter		
225.1.A	18.31.1.1	Class I	Each	4464.43
225.1.B	18.31.1.2	Class II	Each	4645.80
225.2	18.31.2	125 mm diameter		
225.2.A	18.31.2.1	Class I	Each	4808.83

225.2.B	18.31.2.2	Class II	Each	5537.68
225.3	18.31.3	150 mm diameter		
225.3.A	18.31.3.1	Class I	Each	6491.42
225.3.B	18.31.3.2	Class II	Each	6813.69
225.4	18.31.4	200 mm diameter		
225.4.A	18.31.4.1	Class I	Each	12630.25
225.4.B	18.31.4.2	Class II	Each	13625.63
225.5	18.31.5	250 mm diameter		
225.5.A	18.31.5.1	Class I	Each	18232.08
225.5.B	18.31.5.2	Class II	Each	22944.13
225.6	18.31.6	300 mm diameter		
225.6.A	18.31.6.1	Class I	Each	25213.80
225.6.B	18.31.6.2	Class II	Each	28143.09
226	18.32	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design :		
226.A	18.32.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each	1856.70
227	18.33	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :		
227.A	18.33.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each	10121.57
228	18.34	Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), including necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design		

228.A	18.34.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each	17607.91
229	18.38	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 :		
229.A	18.38.1	15 mm diameter pipe	Metre	18.08
229.B	18.38.2	20 mm diameter pipe	Metre	21.66
229.C	18.38.3	25 mm diameter pipe	Metre	28.18
229.D	18.38.4	32 mm diameter pipe	Metre	33.87
229.E	18.38.5	40 mm diameter pipe	Metre	39.74
229.F	18.38.6	50 mm diameter pipe	Metre	47.52
230	18.39	Repainting G.I. pipes and fittings with synthetic enamel white paint with one coat of approved quality :		
230.A	18.39.1	15 mm diameter pipe	Metre	8.85
230.B	18.39.2	20 mm diameter pipe	Metre	10.53
230.C	18.39.3	25 mm diameter pipe	Metre	13.41
230.D	18.39.4	32 mm diameter pipe	Metre	16.07
230.E	18.39.5	40 mm diameter pipe	Metre	18.63
230.F	18.39.6	50 mm diameter pipe	Metre	22.23
231	18.40	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :		
231.A	18.40.1	15 mm diameter pipe	Metre	11.23
231.B	18.40.2	20 mm diameter pipe	Metre	13.47
231.C	18.40.3	25 mm diameter pipe	Metre	17.10
231.D	18.40.4	32 mm diameter pipe	Metre	20.69
231.E	18.40.5	40 mm diameter pipe	Metre	23.53
231.F	18.40.6	50 mm diameter pipe	Metre	28.42
231.G	18.40.7	65 mm diameter pipe	Metre	35.27
231.H	18.40.8	80 mm diameter pipe	Metre	41.00
232	18.46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :		
232.A	18.46.2	20 mm nominal bore	Each	323.15
232.B	18.46.3	25 mm nominal bore	Each	409.30
232.C	18.46.4	32 mm nominal bore	Each	455.70
232.D	18.46.5	40 mm nominal bore	Each	588.24
232.E	18.46.6	50 mm nominal bore	Each	767.62
232.F	18.46.7	65 mm nominal bore	Each	1059.27
233	18.47	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required :		
233.A	18.47.2	20 mm nominal bore	Each	799.34
233.B	18.47.3	25 mm nominal bore	Each	885.54
233.C	18.47.4	32 mm nominal bore	Each	931.93
233.D	18.47.5	40 mm nominal bore	Each	1064.48
233.E	18.47.6	50 mm nominal bore	Each	1417.08
233.F	18.47.7	65 mm nominal bore	Each	1708.68

234	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.		
234.A	18.48.A	Circular tank	Per litre	10.25
235	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :		
235.A	18.49.1	15 mm nominal bore	Each	472.24
236	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.		
236.A	18.50.1	15 mm nominal bore	Each	764.73
237	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.		
237.A	18.51.1	15 mm nominal bore	Each	744.46
238	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.		
238.A	18.52.1	15 mm nominal bore	Each	624.72
239	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931		
239.A	18.53.1	15mm nominal bore	Each	535.13
240	18.54	Providing and fixing PTMT bib cock of approved quality and colour.		
240.A	18.54.1	15mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	117.03
240.B	18.54.2	15 mm nominal bore, 122mm long, weighing not less than 99 gms	Each	150.21
240.C	18.54.3	15 mm nominal bore,165mm long, weighing not less than 110gms	Each	164.79
241	18.55	Providing and fixing PTMT stop cock of approved quality and colour.		
241.A	18.55.1	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	110.42
241.B	18.55.3	Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less than 108 gms	Each	203.23
242	18.56	Providing and fixing PTMT pillar cock of approved quality and colour		
242.A	18.56.1	15 mm nominal bore,107mm long, weighing not less than 110gms	Each	194.24
242.B	18.56.2	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	Each	208.81
243	18.58	Providing and fixing PTMT grating of approved quality and colour.		
243.1	18.58.1	Circular type		
243.1.A	18.58.1.1	100 mm nominal dia	Each	35.03
244	18.59	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) :		
244.A	18.59.1	50 mm dia	Each	5356.72
244.B	18.59.2	80 mm dia	Each	6516.62
244.C	18.59.3	100 mm dia	Each	8286.48
245	18.60	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :		
245.A	18.60.1	80 mm dia nominal bore	Each	3380.24
245.B	18.60.2	100 mm dia nominal bore	Each	5095.40

245.C	18.60.3	150 mm dia nominal bore	Each	7835.31
245.D	18.60.4	200 mm dia nominal bore	Each	8426.53
246	18.61	Providing and fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS : 2373 :		
246.A	18.61.1	80 mm dia	Each	4308.17
246.B	18.61.2	100 mm dia	Each	6951.22
246.C	18.61.3	150 mm dia	Each	8789.74
246.D	18.61.4	200 mm dia	Each	12045.45
247	18.62	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.		
247.A	18.62.1	15mm nominal bore, 105mm long, weighing not less than 138gms	Each	169.68
247.B	18.62.2	20mm nominal bore, 120mm long, weighing not less than 198gms	Each	240.03
247.C	18.62.3	25mm nominal bore, 152mm long, weighing not less than 440gms	Each	488.08
247.D	18.62.4	40mm nominal bore, 206mm long, weighing not less than 690gms	Each	686.93
247.E	18.62.5	50mm nominal bore, 242mm long, weighing not less than 1240 gms	Each	1282.11
248	18.63	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	Each	146.20
249	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	Each	103.85
250	18.66	Providing and laying S&S C.I. Standard specials such as tees, bends, collars tapers and caps etc, suitable for flanged jointing as per IS : 1538		
250.A	18.66.1	Up to 300 mm dia	quintal	8040.11
251	18.67	Providing and laying S&S C.I. Standard specials suitable for mechanical jointing as per IS : 13382 :		
251.A	18.67.1	Up to 300 mm dia	quintal	12825.59
252	18.71	Providing and laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536)		
252.A	18.71.3	200 mm dia C.I. Double Flanged Pipe	Metre	4655.13
252.B	18.71.5	300 mm dia C.I. Double Flanged Pipe	Metre	7542.25
253	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.		
253.A	18.74.1	15 mm nominal bore with 30cm length	Each	89.78
253.B	18.74.2	15 mm nominal bore with 45 cm length	Each	113.59
254	18.75	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour.		
254.A	18.75.1	15 mm nominal bore, weighing not less than 32 gms	Each	49.95
254.B	18.75.2	20 mm nominal bore, weighing not less than 40 gms	Each	87.08
254.C	18.75.3	25 mm nominal bore, weighing not less than 62 gms	Each	105.62
255	18.77	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	Each	421.17

256	18.82	Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks, including stacking of pipes at site lead up to 50 metre		
256.A	18.82.2	100 mm diameter C.I. pipe	Metre	309.82
256.B	18.82.5	200 mm diameter C.I. pipe	Metre	383.43
256.C	18.82.7	300 mm diameter C.I. pipe	Metre	463.85
257	18.84	Providing & fixing chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology.		
257.A	18.84.1	15 mm nominal bore	Each	8203.27
258	19.4	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:		
258.1	19.4.1	100x100 mm size P type		
258.1.A	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2522.98
259	19.5	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 :		
259.A	19.5.2	150 mm diameter	Metre	91.73
259.B	19.5.4	250 mm diameter	Metre	103.43
260	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :		
260.A	19.6.3	250 mm dia. R.C.C. pipe	Metre	838.44
260.B	19.6.4	300 mm dia. R.C.C. pipe	Metre	926.49
260.C	19.6.5	450 mm dia. R.C.C. pipe	Metre	1510.40
260.D	19.6.7	600 mm dia. R.C.C. pipe	Metre	2090.40
261	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :		
261.1	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :		
261.1.A	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	11899.58
262	19.8	Extra for depth for manholes :		
262.1	19.8.1	Size 90x80 cm		
262.1.A	19.8.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	8223.48
263	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality		
263.1	19.19.1	L D- 2.5		
263.1.A	19.19.1.1	Rectangular shape 600x450 mm internal dimensions	Each	1339.60
264	19.23	Extra for depths beyond 60 cm of sand cast iron drop connection complete:		
264.A	19.23.1	For 100 mm dia sand cast iron drop connection	Metre	3019.45

264.B	19.23.2	For 150 mm dia sand cast iron drop connection	Metre	3845.44
265	19.24	Dismantling of manhole including R.C.C. top slab, C.I. cover with frame, including stacking of useful materials near the site and disposal of unserviceable materials, all as per direction of Engineer -in-Charge :		
265.A	19.24.1	Rectangular manhole 90x80 cm and 45 cm deep	Each	2367.55
266	19.26	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) :		
266.A	19.26.1	Rectangular manhole 90x80 cm with rectangular cover 600 x 450 mm of grade LD - 2.5	Each	2446.44
266.B	19.26.2	Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10	Each	3883.78
267	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :		
267.1	21.1.1	For fixed portion		
267.1.A	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	461.29
267.1.B	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	494.69
267.2	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)		
267.2.A	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15)	Kg	557.78
267.2.B	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	591.18
268	21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade l Type ll, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.		
268.A	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sq.m	1061.60
268.B	21.2.2	Pre-laminated particle board with decorative lamination on both sides	Sq.m	1039.33
269	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):		
269.A	21.3.1	With float glass panes of 4.0 mm thickness	Sq.m	1096.54
269.B	21.3.2	With float glass panes of 5.50 mm thickness	Sq.m	1402.59

270	21.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.		
270.A	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	Each	2631.26
271	21.13	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	492.78
272	21.17	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS:1868 with minimum anodic coating of grade AC 15) of approved design /pattern,with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	Kg	594.81
273	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutterof approved brand and manufacture, including providing and fixing top &bottom pivot & double acting hydraulic floor spring type fixing arrangementand making necessary holes etc. for fixing required door fittings, allcomplete as per direction of Engineer- in-charge (Door handle, lock andstopper etc.to be paid separately).	Sq.m	4962.67
274	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/Sq.m mixed with water proofing cement compound @ 0.253 kg/ Sq.m.This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/Sq.m mixed with water proofing cement compound @ 0.126 kg/Sq.m. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sq.m	574.97

275	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/Sq.m of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.(c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ Sq.m of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in- Charge :terrace so finished shall be flooded with water for		
275.A	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	Sq.m	1569.71
276	26.28	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge		
276.A	26.28.3	25 mm average thickness	Sq.m	118.11
NITT Already Approved Items				
277	287	Attending general carpentry works/faulty works (Minor) to all doors, windows & ventilators etc complete.	Each	96.80
278	288	Attending general Masonry and other works/faulty works (Minor) to all locations etc complete.	Each	96.80
279	289	Attending general Plumbing and other works/faulty works (Minor) to all locations etc complete.	Each	96.80
280	13.69	Polishing on wood work with ready mixed wax polish of approved brand and manufacture :		
280.A	13.69.1	New Work	Sq.m	184.17
281	290	Attending line burst repair work in water pumping lines (Open and Submerged) including supply of the respective burst line etc, Rate including cost of all materials & labour charges, refilling of the earth, etc complete.(Earth work will be paid extra)		
281.A	A	1. ¾" PVC 15 kg Finolex/ astral/ kundan or equivalent	Rm	211.75
281.B	B	2. 1" PVC 15 Kg Finolex/ astral/ kundan or equivalent	Rm	229.90
281.C	C	3. 1 ¼" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	251.68
281.D	D	4. 1 ½" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	290.40
281.E	E	5. 2" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	301.29
281.F	F	6. 2 ½" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	358.16

281.G	G	7. 3" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	517.88
281.H	H	8. 4" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	779.24
281.I	I	9. 6" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	1210.00
281.J	J	10. 8" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	1573.00
282	291	Attending line burst repair work in water pumping lines (Open and Submerged) including supply of the respective burst line etc, Rate including cost of all materials & labour charges, refilling of the earth, etc complete.(Earth work will be paid extra)		
282.A	A	1. ¾" GI IS Specs	Rm	454.96
282.B	B	2. 1" GI IS Specs	Rm	560.23
282.C	C	3. 1 ¼" GI IS Specs	Rm	665.50
282.D	D	4. 1 ½" GI IS Specs	Rm	761.09
282.E	E	5. 2" GI IS Specs	Rm	964.37
282.F	F	6. 2 ½" GI IS Specs	Rm	1210.00
282.G	G	7. 3" GI IS Specs	Rm	1573.00
282.H	H	8. 4" GI IS Specs	Rm	1905.75
283	292	Removing the burst C.I. pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipelinewith sound pipe including jointing and cost of refilling the pipeline with water for retesting the pipe line etc complete. (excluding cost of sound pipe and jointing materials and earth work) and as directed by the Officers. (as per twad rates) For depth upto 2m		
283.A	A	1. 80mm dia C.I. Pipes	Each	1030.92
283.B	B	2. 150mm dia C.I. Pipes	Each	2128.39
283.C	C	3. 200mm dia C.I. Pipes	Each	2969.34
283.D	D	4. 300mm dia C.I. Pipes	Each	5194.53
284	293	Attending repair/burst work including supply of respective following pipesetc. Rate including cost of all materials, labour and other incidental charges etc complete.		
284.A	A	1. 3/4" PVC 15 Kg Finolex/ astral/ kundan or equivalent	Each	278.30
284.B	B	2. 1" PVC 15 Kg Finolex/ astral/ kundan or equivalent	Each	313.09
284.C	C	3. 1 1/2" PVC 15 Kg Finolex/ astral/ kundan or equivalent	Each	347.88
285	294	Providing and fixing mosquito net shutter with 20 mm width powder coated aluminium frame to the fixed on the wood / ms frame / Aluminum frame on the opening as per site condition. The 20mm width powder coated aluminum frame shall be all round the shutter,three vertical and one horizontal.the mesh shutter made of stainles steel materials and fixed to the frame etc., complete,the rate is including cost of all materials and labour charge etc., complete.	Sq.m	1586.31
286	295	Removing and reflexing Aluminium partition as per site condition including fixture, rubber beeding and resizing the novopan& glass shutters if required etc.,complete as per the direction of Engineer in charge.	Sq.m	786.50
287	296	Providing and fixing of single side polished cuddapah slabs for kitchen platforms over 20mm thick base in CM 1:4 (1 cement: 4 sand) with joints treated walls cement mortar mixing with pigment as per the direction of Engineer in charge For 25mm to 40mm thick	Sq.m	810.41
288	297	Providing & Fixing double side cuddapah slab to shelves etc., complete 25mm thick	Sq.m	911.72
289	298	PTMT Health faucet	Each	519.36
290	299	PVC Flush tank inner set	Each	472.90
291	300	4" PVC Shower rose with Arm for Kitchen sink	Each	318.08
292	301	1 1/4" SS Waste coupling for Wash basin/Urinal	Each	216.87

293	302	4" SS Sink waste coupling	Each	335.96
294	303	15mm Two way PTMT Tap	Each	472.90
295	304	15mm Three Way CP Lab tap	Each	3902.80
296	305	PVC Water tank cover	Each	550.32
297	306	Supply and fixing of 18mm thick Green plywood (water proof)	Sq.m	2723.71
298	307	Supply and fixing of 1mm SGL Mica sheet	Sq.m	1769.02
299	308	Providing and fixing of 50mm thick foam for inside the panel area	Sq.m	1571.79
300	309	Providing and fixing of decorative 3 M frosted sticker on toughened glass	Sq.m	2021.05
301	310	Fixing of precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per Sq.m as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. Precoated galvanised iron profile sheets will be supplied by NITT from Hostel Office Stores	Sq.m	277.21
302	311	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. (Structural steel will be supplied by NITT from Hostel Office Stores)	Kg	59.77
303	312	Providing and Fixing Zebra brand venetion blinds to window thickness is 0.42mm etc. Rate including cost of all materials and labour charges etc complete. A) Specification of Fabric: Zebra blinds Translucent: Composition: 100% Polyester, Visibility: Translucent, Weight Approx: 108 g/sq.mtr., Thickness:0.42mm, Window size: 2.20Mts width x 2.40 mts height (Maximum), Sheer & Vale box: 75 x 50 mm, Hanging properties: Excellent, Tearing strength: Very high, Cleaning: Conditionally cleanable with damp cloth.	Sq.m	2964.50
304	313	Reflecting Sticker Board with Base 1.5mm Aluminium Sheet Reflecting Sticker White Colour Letters base Red Colour Back Support L Angle 1"2" Round Pipe MS Post 10' Feet Board Total Sq.Ft 4.5'.	Each	3960.00
305	50.3	Removing and refixing door shutters upto 0.90m x 2.10m size including planing the top and bottom face upto 10mm including fixing with stainless steel screws etc complete as directed by the Engineer-in charge. (cost of new hinges shall be paid seperately wherever required)	Each	283.14
306	50.6	Providing and fixing of 40mm dia Unplasticised PVC pipes including all fittings i/c fixing the pipe with clamps at 1.00m spacing.This includes jointing of pipes & fittings with one step UPVC solvent cement and testing of joints complete as per the direction of Engineer-in-charge.	Metre	229.90
307	50.7	Providing and fixing of 75mm dia (Finolex or Avonplast-6kg/cm2) unplasticised Rigid PVC soil pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) Single socketed pipes	Metre	239.58
308	50.8	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 75 mm dia PVC Door TEE (Finolex or equivalent make)	Each	217.80

309	50.9	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 75 mm dia PVC plain elbow (Finolex or equivalent make)	Each	122.21
310	50.10	Providing and fixing of 110 mm dia (Finolex or Avonplast-6kg/cm2) unplasticised Rigid PVC soil pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) Single socketed pipes	Metre	337.59
311	50.11	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 110 mm dia PVC plain elbow (Finolex or equivalent make)	Each	177.87
312	50.12	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S:5382 leaving 10mm gap for thermal expansion. (i)75mm dia PVC Door elbow (Finolex or equivalent make)	Each	205.70
313	50.13	Providing and fixing of 32mm dia Unplasticised PVC pipes (Avonplast make) including all fittings i/c fixing the pipe with clamps at 1.00m spacing.This includes jointing of pipes & fittings with one step UPVC solvent cement and testing of joints complete as per the direction of Engineer- in-charge.	Metre	220.22
314	50.14	Repolishing of old Mosaic floors,Dado,skirting etc., in grey and all colours and finishing the surfaces smooth including filling the joints and voids by matching pigments, chips etc complete all as per standard specifications. Rate including cost of materials, hire and running charges of materials,labours etc compete as directed by the Engineer incharge.	Sq.m	246.84
315	50.35	Supply of unplasticised-PVC moulded fittings/accessories for unplasicised Rigid PVC confirming to IS : 13592 Type A-6 kg/cm2, including jointing with seal ring confirming to IS : 5382, leaving 10mm gap for thermal expansion. Saddle clamp- (75mm to 25mm)	Each	185.13
316	50.36	Providing and fixing ball valve (Zoloto or equivalent) confirming to IS : 1703 of approved quality (screwed end): 25mm dia nominal bore	Each	907.50
317	50.47	Providing and fixing PVC cowl to the PVC pipes etc complete as per the direction of Engineer-in- charge.		
318	50.47.1	75 mm Cowl	Each	266.20
319	50.47.2	110 mm Cowl	Each	332.75
320	50.49	Cutting holes upto 30x30 cm in walls including making good the same : with F.P.S. bricks.	Each	266.20
321	50.53	Repairing the existing MS window shutter including removing the shutter,bending,welding,hinges repair and refixing the same in good condition etc as per the direction of Engineer-in-charge.	Sq.m	459.80
322	50.63	Providing and fixing powder coated aluminum curtain rod with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangements of approved quality as directed by Engineer-in-charge.	Metre	348.48
323	50.97	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 75 mm dia PVC single door 'Y' (Finolex or equivalent make)	Each	159.72
324	50.98	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S:5382 leaving 10mm gap for thermal expansion. (i)75 mm dia PVC double door 'Y' (Finolex or equivalent make)	Each	212.96

325	50.99	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 110 mm dia PVC single door 'Y' (Finolex or equivalent make)	Each	319.44
326	50.100	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 110 mm dia PVC double door 'Y' (Finolex or equivalent make)	Each	266.20
327	50.101	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 90 mm to 75mm dia PVC reducer (Finolex or equivalent make)	Each	95.59
328	50.102	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS :13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 125 mm to 100 mm dia PVC reducer (Finolex or equivalent make)	Each	118.58
329	50.103	Providing and fixing on wall face unplasticised-PVC moulded fittings/accessories for unplasticised Rigid PVC pipes conforming to IS:13592 Type A including jointing with seal ring conforming to S :5382 leaving 10mm gap for thermal expansion. (i) 110 mm door 'L' (Finolex or equivalent make)	Each	169.40
330	50.104	Providing and fixing of 18mm thick non decorative plywood (water proof) resting on the walls etc complete.	Sq.m	2069.10
331	50.106	Supply of unplasticised-PVC moulded fittings/accessories for unplasicised Rigid PVC confirming to IS:13592 Type A-6 kg/cm2, including jointing with seal ring confirming to IS : 5382, leaving 10mm gap for thermal expansion. Saddle clamp- (40mm to 32mm)	Each	133.10
332	50.118	Providing and fixing of 40mm OD PVC pipe (15kg/cm2) with fittings and clamps, i/c cutting and making good the walls etc. External work : 40mm OD PVC Pipes (15kg/cm2)	Metre	180.90
333	50.121	Providing and fixing of 63mm OD PVC pipe (15kg/cm2) with fittings and clamps, i/c cutting and making good the walls etc. External work : 63mm OD PVC Pipes (15kg/cm2)	Metre	245.63
334	50.122	Providing & Fixing of Cuddapah slab sink of size 600mm x 450mm etc complete.	Each	1331.00
335	50.124	Providing and fixing weldmesh shutter with MS angle frame of size 25mm x 25mm x 6mm and MS weld mesh size 2" x 1" with necessary bolts and nuts etc complete.	Sq.m	1068.43
336	50.127	Providing and laying 18mm thick anti-skid factory made button type coloured cement concrete tiles UNICON/EUROCON /DAZZLE/ULTRA or equivalent flooring jointed with cement slurry mixed with pigments to match the shades of the tiles over a bed of 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand)	Sq.m	1206.37
337	50.129	Providing and fixing MS Heel to existing window including removal of old damaged existing heel with necessary grinding & welding as per the direction of Engineer-in-charge.	Each	242.00
338	50.130	Providing and fixing MS handle to existing window with necessary grinding & welding as per the direction of Engineer-in-charge.	Each	229.90
339	50.131	Providing and fixing MS Stay rod to existing window with necessary grinding & welding as per the direction of Engineer-in-charge.	Each	254.10

340	50.132	Removing & Repairing the existing MS window shutter including necessary grinding & welding etc and refixing the shutter with proper position as per the direction of Engineer-in-charge.	Sq.m	363.00
341	50.146	Providing & Fixing ornamental 3 way bib cock etc complete.	Each	2783.00
342	50.162	Supplying and fixing sun control film for glazed windows, door, Aluminum partition & ventilator shutter including the cost of all materials and labour charges etc.	Sq.m	726.00
343	50.178	Dismantling the existing chainlink fencing and disposal of 2 km radiusaround as per the direction of Engineer-in-charge including lead charges etc complete.	Sq.m	20.17
344	50.185	Providing & fixing 4" Hanjee hook etc complete.	Each	36.30
345	50.186	Repairing the existing windows for easy operation i.e. opening & closing etc. rate oncluding cost of labour, scaffolding charges & plaining etc complete.	Sq.m	114.90
346	50.187	Providing & fixing circular PVC floor trap to pvc pipe etc complete.	Each	423.50
347	50.193	Making the opening on Randaon rubble masonry wall by core cutter for laying pipe line etc as per the direction of Engineer-in-charge.	Each	484.00
348	50.194	Dismantling the exisiting water closet without damaging the existing sewer line etc complete.	Each	242.00
349	50.195	Providing & Fixing PTMT shower rose etc complete.	Each	347.27
350	50.196	Providing and fixing of 12" Dia PVC pipe (6kg/cm2) etc. Rate including the cost of all materials and labour charges etc.complete.(305 mm)	Metre	3793.35
351	50.197	Providing and fixing of 9" Dia PVC pipe (6kg/cm2) etc. Rate including the cost of all materials and labour charges etc.complete.(225 mm)	Metre	2889.48
352	50.210	Providing and fixing brass door stopper etc complete	Each	423.50
353	50.212	Providing & Fixing CP brass health facuet with cp brass two way tap etc complete.	Each	1936.00
354	50.213	Providing & fixing PVC sheet to existing door top surface etc complete.	Sq.m	544.50
355	50.217	Providing and fixing 25 mm dia UPVC half turn value to the pipe line etc complete.	Each	242.00
356	50.238	Providing & Fixing Granite sink of size 600mmx600mm with rest of 50x506mm MS angle etc complete.	Each	7865.00
357	50.257	Providing and fixing of 12" Dia PVC pipe (4kg/cm2)etc. Rate including the cost of all materials and labour charges etc.complete.(300 mm)	Metre	2541.00
358	50.268	Providing and fixing oval type wash basin of size 550mm etc complete	Each	3569.50
359	50.274	Drilling of Core cutting of size 2" dia in Reinforced cement concrete wall and brick work wall up to a distance of 150mm and 230mm respectively etc complete as per the direction of engineer-in-charge.	Each	544.50
360	50.275	Drilling of Core cutting of size 2" dia in Reinforced cement concrete wall up to a distance of 375mm etc complete as per the direction of engineer-in-charge.	Each	665.50
361	50.276	Supply of CICO NO3 chemical solutionsfor attending water supply pipe line burst.	kg	88.00
362	50.277	Supply of spaniyarm for attending water supply pipe line burst.	kg	264.00
363	50.278	Supply of bonding agent/SBR Latex/Nito bond chemical for cement plaster/concrete works of approved brands. (SIKA/Dr.Fixit/Ultratech/FOSROC/Equivalant)	Kg	385.00
364	129	Hire charges for JCB including diesel driver beta, etc., Complete as per the direction of Engineer in- charge.	Hour	1628.00

365	210	Providing hoisting and fixing upto floor five level precast reinforced cement concrete elements like slabs etc of 25 to 150 mm thick in required sizes with mix 1:2:4 using 10 to 12 mm size hard broken granite stone jelly for cupboards shelves etc including setting in cement mortar 1:3 cost of centring surfaces but excluding the cost of reinforcement and fabrication charges.	Cu.m	9372.32
366	522	Welding by gas plant or electric plant including transportation of plant to site of work cost of consumables labour charges etc complete.	CM Length	3.92
367	537	Providing and fixing oxidised M.Shandlse with necessary screws etc.complete.		
367.A	A	100 mm size	Each	33.23
367.B	B	125 mm size	Each	38.41
368	1001	Dismantling / removing / demolishing as the case may be of the following by manually / mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at NITTH stores and disposal of unservicable materials by transporting and dumping in the near by low level areas within a lead of 100 metres All as per instructions of Engineer-in -charge.		
368.A	A14	IWC with 'P' trap & foot rests	Set	355.50
368.B	A15	EWC (excluding flushing cistern) / Urinal (earthenware) of any size including foot rests / Wash basin connected fittings / RCC precast sink or other reaby made sinks with connected fittings / Nahani trap.	Each	213.27
368.C	A16	Flushing cistern of any size	Each	403.23
368.D	A22	A.C sheets from roofs and side cladding including ridges , valleys , gutters etc.	Sq.m	33.89
369	1104	Providing and fixing PVC water pipes and specials conforming to ISS on walls and floors with clamps at one metre spacings, joining with proper adhesive as suggested by manufacturers, cutting and making good the wall etc. complete.(internal work - exposed on walls)		
369.A	A	PVC Pipe 18/20 mm OD (10 kg/Sq.cm)	Rm	93.09
369.B	B	PVC Pipe 25 mm OD (10 kg/Sq.cm)	Rm	118.47
369.C	C	PVC Pipe 32 mm OD (10 kg/Sq.cm)	Rm	142.23
369.D	D	PVC Pipe 40 mm OD (6 kg/Sq.cm)	Rm	177.08
369.E	E	PVC Pipe 50 mm OD (6 kg/Sq.cm)	Rm	232.06
370	1105	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc.complete. (External work) Earth work excavation for trenches and refilling willbe paid separately.		
370.A	A	PVC Pipe 18/20 mm OD (10 kg/Sq.cm)	Rm	34.56
370.B	B	PVC Pipe 25 mm OD (10 kg/Sq.cm)	Rm	47.88
370.C	C	PVC Pipe 32 mm OD (10 kg/Sq.cm)	Rm	68.45
370.D	D	PVC Pipe 40 mm OD (6 kg/Sq.cm)	Rm	75.63
370.E	E	PVC Pipe 50 mm OD (6 kg/Sq.cm)	Rm	107.08
370.F	F	PVC Pipe 63 mm OD (6 kg/Sq.cm)	Rm	160.58
370.G	G	PVC Pipe 75 mm OD (6 kg/Sq.cm)	Rm	223.04
370.H	H	PVC Pipe 90 mm OD (6 kg/Sq.cm)	Rm	312.95
370.I	I	PVC Pipe 110 mm OD (6 kg/Sq.cm)	Rm	436.08
370.J	J	PVC Pipe 140 mm OD (6 kg/Sq.cm)	Rm	687.16
370.K	K	PVC Pipe 160 mm OD (6 kg/Sq.cm)	Rm	880.16
370.L	L	PVC Pipe 180 mm OD (6 kg/Sq.cm)	Rm	1146.04
370.M	M	PVC Pipe 200 mm OD (6 kg/Sq.cm)	Rm	1394.01

371	1106	Providing and fixing PVC pipes of 4 kg/sqcm conforming to ISS including joining with proper adhesive as suggested by manufacturer & suitable clamp for rain water pipes, drainage etc. Rate excludes all specials like shoe, bend, tee, tee with door etc.		
371.A	A	PVC Pipe 75 mm OD	Rm	189.51
371.B	B	PVC Pipe 110 mm OD	Rm	333.74
371.C	C	PVC Pipe 160 mm OD	Rm	539.98
372	1107	Providing and fixing PVC moulded fittings/accessories on walls for rain waterpipes conforming to IS 13592 Type A including joining with seal rings conforming IS 5382 and properadhesive as suggested bymanufacturers etc.Complete.		
372.A	A	75 x75 x 75 mm single tee with door.	Each	199.06
372.B	B	110 x 110 x 110 mm single tee with door.	Each	292.89
372.C	C	160 x 160 x 160 mm single tee with door.	Each	496.02
372.D	D	75 x75 x 75 mm single tee without door.	Each	176.27
372.E	E	110 x110 x 110 mm single tee without door.	Each	258.70
372.F	F	160 x160 x 160 mm single tee without door. EACH	Each	427.50
372.G	G	75 mm shoe	Each	101.53
372.H	H	110 mm shoe	Each	150.52
372.I	I	160 mm shoe	Each	258.85
372.J	J	75 mm bend	Each	121.21
372.K	K	110 mm bend	Each	222.37
372.L	L	160 mm bend	Each	283.42
373	1108	Providing and fixing in position of brass wheel valve / gate valve (G.M) of approved brand with C.I wheel etc. complete. (ISI marked)		
373.A	A	15 to 25 mm nominal bore	Each	624.12
373.B	B	32 mm nominal bore	Each	807.12
373.C	C	40 mm nominal bore	Each	1054.94
373.D	D	50 mm nominal bore	Each	1424.80
373.E	E	80 mm nominal bore	Each	4040.77
373.F	F	100 mm nominal bore	Each	7358.56
374	1109	Providing and fixing in position C.P brass bib cock / stop cock (Medium Duty) of approved brand (ISI marked)		
374.A	A	15 mm nominal bore.	Each	307.17
374.B	B	20 mm nomial bore.	Each	392.57
374.C	C	25 mm nominal bore.	Each	506.31
375	1110	Providing and fixing in position of following of approved brand (ISI marked)		
375.A	A	15 mm nominal bore C.P brass long nose bibcock	Each	1108.08
375.B	B	15mm nominal C.P brass stop cock (concealed)	Each	867.21
375.C	C	15 mm nominal C.P brass long body bibcock	Each	854.11
376	1111	Providing and fixing in position 15 mm nominal bore C.P brass angle valve for basin mixer and geyser points of approved brand (ISI marked)	Each	710.18
377	1112	Providing and fixing in position 100 mm dia C.P brass shower rose (tilting type) of approved brand with 15 or 20 mm dia inlet.	Each	100.12
378	1119	Providing and Fixing in position of ready made sink including PVC flexible waste pipe of 32mm dia with necessary C.P waste coupling etc. complete		
378.A	B	Cudappa sink of size 600x600x200 or theraboults (outer dimensions) - 12mmthick	Each	1379.58

379	1121	Providing & Fixing in position of 100 x 75 mm Nahani trap with PVCgrating, all as per standard specifications	Each	270.40
380	1539	Attending to leak at roof slab and wall joint. The scope of work includes clearing the tiles terrace surfaces to be free of dust, loose particles, algae growth and atmospheric deposits, filling small blow holes if any with CERAFIL 45/TEC TILE 12/Sika Grout /NACC Tile Grout/Dr.Fixit Crack- x/ **Asian Dampproof Ultra/Dr. Fixit Roofseal classic** New and providing primer and top coat of CERAFLEX/TEC WAVE 3000/Sika raingard/NACC High Flex single component/Dr.Fixit new coat highly flexible membrane coating including curing adequately. All as per manufactures recommendation/standard specifications and instructions of Engineer-in-charge. rate quoted includes cost of all materials, labour charges, conveyance,tools and all other incidential charges etc complete for in accessible areas. **one primer and two top coats.**	Sq.m	767.08
381	1540	Providing one coat of CERALASTIC/TECH WAVE 2000/Sika raingard/NACC roof coating/Dr.FIXIT PDIDFIN 2K water proofing membrane coating followed by one bond coat of CERA BOND SBR/TEC BOND SBR/Sika latex/NACC latex/Dr.Fixit Pidicreteurpsbr latex over the membrane coating and providing cement plastering 6mm thick in CM LATEX over the membrane coating and providing cement plastering 6mm thick in CM 1:4 admixed with general purpose water proofing compound of respective products and curing adequately. All as per manufacturers recommendation/standard specifications and instructions of Engineer-in-charge. The scope of work includes dismantling the existing damaged weathering course and tiles to expose to the RCC slab and finishing to match with the existing weathering course. Rate quoted includes cost of all materials except cement which will be issued free of cost at Hostel stores, labour charges, conveyance, tools and all other incidental charges etc complete. Replacing the damaged tiles and repointing where ever required which will be paid under separate item for accessible areas. (cement consumption = 2.74kg/Sq.m)	Sq.m	500.61
382	1541	Attending Crack filling at parapet level without pressure grouting. The scope of work includes routing the cracks with a mechanically operated groove cutter and sealing the groove with flexible sealant-CERA CRACK FILLER/TEC KRACK FILLER Sika CRACK SEAL/NACC CRACK FILLER /Dr.FixitCrack-X paste and providing two coats of CERAFLEX /TEC WAVE 3000/Sika RAIN GARD/NACC ROOF COATING /Dr.FIXIT NEW COAT highly flexible membrane for a width of 10cms aligned to the centre of the crack. All as per /manufactures recommendations/standard specifications and instructions of Engineer-in-charge. rate quoted includes coat of all materials, labour charges, conveyance, tools and all other incidental charges etc., complete.	Sq.m	223.85
383	1543	Drilling pockets and fixing PVC Nipples in position along weak concrete junctions and leakage points in walls/floor and pressuregrouting CERA EXPAN 250/TEC SWELL/Sika INTRAPLAST/NACC EXPAN/Dr.FIXITPIDICRETE AM 250 expansive grouting additives admixed with cement slurry using hand operated grouting pump. The scope also includes plugging the grout hole with CERA PLUG/TEC STOP/Sika HYDRO PLUG/NACC PLUG/Dr.FIXIT INSTANT LEAK PLUG. All asper manufactures recommendations/standard specifications and instructions of Engineers-in- charge. Rate quoted includes cost of all materials, labour charges, conveyance, tools and all other incidental charges except cement which will be issued free of cost at NITT stores. (CEMENT CONSUMPTION = 0.35KG/POINT)	Point	215.71

384	1544	Providing one coat of Antifungal coating-tec tough/Cera re-played/Sika Multi guard or Sika gard 67/NACC acrylicm /Dr.FIXIT DAMPGUARD-protective and decorative coating system as per manufactures recommendations/standard specifications and instructions of Engineer-in-chagre. The scope of work includes surface preparations including cleaing the wall surfaces to be free of previous coatings, dust loose particles, algae growth and atmospheric deposits, filling small blow holes if any with puty,. Rate quoted includes cost of all materials, labour charges, conveyance, tools and all other incidentials charges etc complete.	Sq.m	300.74
385	1545	Arresting leakage through RCC Construction joints The scope of work includes routing out the horizontal cracks along/ construction joints to expose the RCC joint and applying CERA SEAL/TEC POLYSEAL G/Sika Crack Seal /NACC poly seal gun grade polysulphide sealant/Dr.FIXIT PU SEALANT. The scope also includes application of CERAFLEX/TEC WAVE 3000/Sika Rain gard/NACC Roof COATING /DR.FIXIT NEW COAT single component flexible membrane with intermediate layer of cloth over the exposed are after allowing the PS (POLYSULPHIDE SEALENT) TO CURE FOR 72 HOURS, All as per manufactures recommendations /standard specifications and instructions of Engineer-in-charge.Rate quoted includes cost of all materials, labourcharges, conveyance,tools and all other incidental charges etc complete.	Sq.m	738.67
386	1547	Providing aluminum Sheet Flashing. The scope of work includes cutting a neat groove along the brick wall and fixing Aluminum sheet flashing of 1' to 1'6" as required including re-filling the grooves and sealing the joints with CERA SEAL / TEC POLYSEAL G /Sika Polysulphide/NACC poly seal gun grade polysulphide sealant/Dr. FIXIT PUSEALANT.All as per Manufacturer's recommendations / standard specifications and instructions of Engineer-in- Charge. Rate quoted includes cost of all materials, labour charges, conveyance, tools and other incidental charges etc. Complete.	Rm	710.10
387	2.25(a)	Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.	Cu.m	652.72
388	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.		
388.A	2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	litre	218.73
389	2.35	Diluting and injecting chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :		
389.A	2.35.2	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:		
389	2.35.2.1	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	meter	49.80
390	2.36	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cu.m	86.70
391	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.:		
391.A	5.33.1	Concrete of M25 grade with minimum cement content of 330kg/cum		
391.A.1	5.33.1.1	All works upto plinth level	Cu.m	8856.51
391.A.2	5.33.1.2	All works above plinth level upto floor V level	Cu.m	9187.91

392	6.38	Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry 100 mm/ 125 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.	Cum	9500.10
393	6.47	Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/Cu.m conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).	Cu.m	7765.28
394	9.79	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.		
394.A	9.79.2	50 mm	Each	332.42
394.B	9.79.3	65 mm	Each	337.69
394.C	9.79.4	75 mm	Each	360.23
395	9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:		
395.A	9.92.1	125 mm	Each	215.29
395.B	9.92.2	100 mm	Each	192.18
396	9.117	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ±1mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1 mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineerin-charge		
396.A	9.117.1	Extruded section profile size 48x40 mm	meter	251.78
396.B	9.117.2	Extruded section profile size 42x50 mm	meter	308.75
397	9.118	Providing and fixing to existing door frames.		
397.A	9.118.1	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineerin- charge. (For W.C. and bathroom door shutter).	Sq.m	2766.74

397.B	9.118.2	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multichambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-incharge.	Sq.m	3031.88
398	9.123A	Providing PVC moulding / architrave for door frame made up of extruded solid foam PVC profile having homogenous fine cellular structure with smooth outer integral skin, minimum 30 mm width and minimum 12 mm thick suitable for fixing to frame. The molding shall be snap fitted in the groove provided in the frame & fixed with PVC solvent adhesive / cement and self tapping screws (of required size) complete as per direction of Engineer-in-Charge.	meter	126.54
399	9.124	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thikness 5 mm and 15 mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I.'C' section / rectangular tube profile of minimum 0.30 mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strenghtened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10 mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9 mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates)		
399.A	9.124.1	5 mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	Sq.m	3498.15
399.B	9.124.2	5 mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Decorative type.	Sq.m	3856.10

400	9.147	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge.		
		Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately.		
400.A	9.147.A1	Two track two panels sliding window with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.		
400.A.1	9.147.A1.1	Using R2 series with frame (40 mm & above) x (40 mm & above) & sash (25 mm & above) x (50 mm & above) with zinc alloy (zamak) powder coated touch locks with hook (Height upto 1.2 metre).	Sq.m	7732.85
400.B	9.147.A2	Two track four panels sliding windows with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handle on three panels along with multi-point locking system, nylon rollers with SS 304 body.		
400.B.1	9.147.A2.1	Using R3 series with frame (55 mm & above) x (40 mm & above) & sash (30 mm & above) x (55 mm & above) (Height upto 1.8m).	Sq.m	7324.25
400.C	9.147.A4	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.		
400.C.1	9.147.A4.1	Using R2 series with frame (70 mm & above) x (40 mm & above) & both glazed and fly screen sash (25 mm & above) x (50 mm & above) with zinc alloy (zamak) powder coated touch locks with hook. (Height upto 1.2 metre).	Sq.m	10243.77
400.D	9.147.C1	Fixed window / ventilator without mullion / transom.		
400.D.1	9.147.C1.1	Using R1 series with frame (33 mm & above) x (35 mm & above). (Height upto 0.90 metre)	Sq.m	7684.77
400.D.2	9.147.C1.2	Using R2 series with frame (39 mm & above) x (39 mm & above). (Height upto 1.2 metre)	Sq.m	7505.40
400.E	9.147.C2	Fixed window / ventilator with mullion / transom.		
400.E.1	9.147.C2.1	Using R1 series with frame (33 mm & above) x (35 mm & above) & mullion (33 mm & above) x (50 mm & above). (Height upto 0.90 metre)	Sq.m	8530.80
400.E.2	9.147.C2.2	Using R2 series with frame (39 mm & above) x (39 mm & above) & mullion (39 mm & above) x (60 mm & above). (Height upto 1.2 metre)	Sq.m	8167.58
401	9.149	Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.	Each	215.29

402	9.150	Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete..	Each	190.09
403	9.151	Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.	Each	107.90
404	9.152	Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete.	Each	172.84
405	9.174	Providing and fixing 2 mm thick 16 to 19 mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per direction of Engineer- in-charge.	meter	40.82
406	10.4	Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and Tiron guide at the top and bottom respectively, including applying a priming coat of approved steel primer	Sq.m	6118.37
407	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.		
407.A	10.26.1	M.S. tube	kg	183.38
407.B	10.26.3	G.I. pipes	kg	189.21
408	11.19	Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :		
408.A	11.19.1	Light shade pigment using white cement	Sq.m	1429.19
409	12.47	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8 mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.		
409.A	12.47.1	2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified	Sq.m	1305.77
409.B	12.47.2	2 mm thick flat	Sq.m	1160.69
410	14.12	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete.	Each	525.44
411	19.35	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars /spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete		
411.A	19.35.1	450 mm dia RCC pipes.	meter	2494.00
411.B	19.35.2	600 mm dia RCC pipes.	meter	3169.28
412	21.8	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.		
412.A	21.8.1	Upto 5 mm depth and 5 mm width	meter	90.15

413	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/ Sq.m mixed with water proofing cement compound @ 0.253 kg/Sq.m. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5mm thickness consisting of slurry of cement @ 1.289 kg/Sq.m mixed with water proofing cement compound @ 0.670 kg/Sq.m and coarse sand @1.289 kg/Sq.m. This will be Allowed to air cure for 4 hours followed by water curing for 48 hours.The entire treatment will be taken upto 30cm on parapet wall & tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately).For the purpose of measurement the entire treated surface will be measured.	Sq.m	641.92
414	21.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineerin- charge.	Each	2631.26
415	MR-1	Supply and fixing of fluted PVC panels of 6 mm thick of required colour on wood/wall surface.	Sq.m	2500.00
416	MR-2	Providing and deploying 45 ft Boom Lift (JLG or equivalent articulating /telescopic boom lift) with trained operator on rental basis, including fuel, lubricants, routine maintenance, transportation, insurance, statutory compliances and all accessories, complete for safe operation at site as directed by the Engineer-in-Charge. The boom lift shall be suitable for indoor/ outdoor maintenance works up to approximately 45 ft platform height. 8 Hrs operation will be counted as a day for billing purpose.	day	5000.00
417	MR-3	Providing and fixing polycarbonate sheets (size, shape and pitch of corrugations as approved by Engineer-in-Charge) (6mm Thick) roofing. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x55 mm) with EPDM seal, complete upto ant pich in horizontal/vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sq.m	1025.00
418	MR-4	Providing and deploying one tipper lorry of 4–5 unit capacity with driver on rental basis, suitable for transportation of earth, debris, construction materials, demolition waste, etc., including fuel, lubricants, driver/ operator charges, routine maintenance, repairs, insurance, taxes, permits and all other incidental charges, complete as directed by the Engineer -in-Charge. 8Hrs operation will be counted as a day for billing purpose.	day	8500.00
419	MR-5	Providing and deploying Hydraulic Excavator (Hitachi or equivalent) of suitable capacity with trained operator on rental basis for excavation, loading, earthwork, debris handling and other miscellaneous works, including fuel, lubricants, operator charges, routine maintenance, repairs, mobilization/ demobilization and all other incidental charges, complete as directed by the Engineer-in-Charge.	hour	2500.00
420	MR-6	Providing and deploying Crawler Dozer/Bulldozer of suitable capacity with trained and experienced operator on rental basis for earthwork, spreading, levelling, pushing and disposal of earth/debris, including fuel, lubricants, operator charges, routine maintenance, repairs, mobilization and demobilization, and all other incidental charges, complete as directed by the Engineer-in-Charge.	hour	1200.00

421	MR-7	Supplying and fixing flexible 30-50 mm wide silicon rubber door bottom sealing / sweep strip of approved make, color, and multi-chamber/lip design, complete with high-strength acrylic/silicone self-adhesive backing or mechanical fixing. The strip shall be measured and fixed along the lower edge of wooden, metal, or uPVC doors to effectively seal gaps up to 20-25 mm against dust, water, noise, and air infiltration, strictly in accordance with manufacturer instructions and direction of the Engineer-in-Charge. rate per meter including labour charges	meter	276.00
422	MR-8	Providing and fixing of Velcro-type mosquito net installation involves attaching a fine fiberglass or polyester mesh directly to window or door frames using interlocking hook-and-loop (Velcro) tape, providing a removable and tool-free barrier against insects and all other incidental charges, complete as directed by the Engineer-in-Charge.	Sq.m	520.00
423	223	Providing Polymer Coating (Water Proof Coating) for sunken portion of toilet with following specification and the surface shall be cleaned to remove all dust, foregin, matters lose materials or any other deposits of contamination by rubbing with wire brush. Slurry: Dry blend and polymer liquid blend shall be mixed into the desired ratio asper recommendation of the supplier. The mix shall be stirred thoroughly until no bubbles remain in the mix. Any lumps found in mix shall be removed. Apply first coat of polymer modified cementitious slurry by brush on wet cleaned surface. After drying, second coat shall be applied on the first coat as directed by the departmental officers etc. The rate inclusive of cost of materials and labour, etc., complete.	Sq.m	329.00

Validate Print Help

Percentage BoQ

Tender Inviting Authority: The Chief Warden, National Institute of Technology-Tiruchirappalli.

Name of Work: Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy.

Contract No: NITTH/Hostel_Civil_AMC/Tender/2026-27/01

Name of the Bidder/ Bidding Firm / Company :	

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only) Quoted Amount without GST

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	Annual Maintenance Contract for Civil Works for Hostel Zone at NIT-Trichy. (For Schedule "A")	1.00	work	8295000.00	8295000.00	INR Eighty Two Lakh Ninety Five Thousand & Paise Zero Only
Total in Figures					8295000.00	INR Eighty Two Lakh Ninety Five Thousand & Paise Zero Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words						INR Zero Only

LIST OF APPROVED MAKES OF MATERIALS

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials as list of this bid document.

2. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material/ Brand/ Make.

3. Whenever the specified brand of material is not available then, the Engineer-in-charge may approve any material equivalent to that specified subject to proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.

List of Approved Civil materials			
NOTE: Not withstanding to the approval given in the list, the field staff are requested to observe the following conditions			
1	Equivalent material and finishes of any other make may be used on written request of the contractor, in case of unavoidable circumstances and also if it is established that minimum three brands are not specified below or three brands out of all brands specified below are not available in the market, after written approval of the alternate brand by the NIT approving authority. This substitution shall be subject to cost adjustment in case the substituting brand is available at cheaper rates in market than those mentioned herein above. There shall be no cost adjustment if the substituting brand is costlier in market than those mentioned herein.		
2	In addition, the brands approved as hereunder, should have valid and active BIS certificate as on the date of supply for the work.		
3	Material shall conform to Make in India policy of Government of India as on the date of supply for the work.		
4	Other brands not included in the list below but having BIS certificate on the date of supply for the work shall only be allowed against note (1) above.		
5	In Case of non-availability of BIS codes for any of the materials incorporated above, the Engineer-in -Charge shall send the materials for testing as per the relevant ASTM or EN codes and satisfy himself before using the same in work.		
Sl.No	**Material Description**	**Material**	
		Brand	**Make**
SUB HEAD No.2			
EARTH WORK			
1	Chlorpyriphos	DURSBANTCT	DE-NOCIL Ltd.
		Premise Agenda	Bayer Ltd
		PIRAMID	AMVAC AGRI RASAYAN Pvt. Ltd
		NOBAN	Chemtts Wets& Flows Pvt. Ltd.
		HILBAN	Hidustan Insecticides Ltd
		Sarups Pest Control	Sarups Pest Control Ltd.
SUB HEAD No.3			
MORTAR			
1	Ordinary Portland Cement (43 grade) / Portland Pozzolana Cement (PPC)	ACC	ACC cements Ltd
		Ultra Tech	Ultra Tech Cement Ltd.
		Coromandel	India Cements Ltd.
		Birla	Birla Corportion Ltd.

		Chettinad	Chettinad Cements Corportion Ltd.
		Bharathi	Bharathi Cement Corportion Ltd.
		Dalmia	Dalmia Cement Bharat Ltd.
		Zuari	Zuari Cement Limited.
		JSW	JSW Cement Ltd.,
		Jaypee Cement	Jaypee Cement Ltd
		Maha Cement	Myhome Industries Pvt. Ltd
		J.K Cement	J.K Cement Pvt. Ltd
		Ambuja Cement	Ambuja Cements Ltd
		Penna Cement	Penna Cement Industries Ltd.
		Konark Cement	Konark Cement
		Centaury Cement	Birla Gold Cement
		Shree Cement	Shree Cement
		Ramco Cement	Ramco Cement Ltd
		Sagar Cement	Sagar Cements Ltd
		Emami Cement	Emami Cements Ltd
SUB HEAD No.4			
CONCRETE WORK			
1	Damp Proof course materials	MAPEI	MAPEI Construction Products India Pvt. Ltd.
		Impermo	Snowcem Paints
		Duraseal	Apurva India Pvt. Ltd.
		ACCO Proof	ACC Cement Ltd.
		Dr. Fixit	Pidilite Industries
		Ferrous crete	Ferrous Crete (India) Pvt. Ltd.
		Fosroc	Fosroc Chemicals India Pvt. Ltd.
		CICO	CICO Industries
		SIKA	Sika India Pvt. Ltd
		PIDILITE	Pidilite Industries Ltd.
		BASF	BASF India Ltd
		MYK	MYK LATICRETE India Pvt. Ltd
		Asian Paints smartcare dampproof	Asian Paints Ltd
		WeatherCoatRoofgaurd	Berger Paints
		Polytancreteiwl	Sunanda Specialty Coatings Pvt. Ltd
		Wallshield 2K	Berger Paints
		KCPL	Kunal Conchem Pvt. Ltd.,
SUB HEAD No.5			
REINFORCED CONCRETE WORK			
1	TMT bars Fe-500D	SAIL	Steel Authority of India Ltd.
		TISCO	TATA STEEL Ltd
		VIZAG	Rastriya Ispat Nigam Ltd.
		JSW	JSW Steel Ltd

2	Plasticiser & Super Plasticiser	Contrament, Power flow	MC Bauchemie (India) Pvt. Ltd
		Sunanda Chemicals	Sunanda Chemicals Ltd.
		Plastiment, Sikament	Sika Inida Pvt Ltd.,
		Conplast SP430	FOSROC India
		Chryso-HP / Delta / Optima	Chryso India Pvt. Ltd.,
		MYK Schomburg	MYK Arments range of products
		BASF	BASF India Ltd
		CICO	CICO Industries
		Smart Care Techno Plast/Smart Care Maximo Plast	Asian Paints Ltd
		Endura	H.R. Jhonsons
		KCPL	Kunal Conchem Pvt.Ltd.,
3	Expansion Joint Bitumen board	Dura board HD100	Supreme Industries
		DURAFILL	Supreme Industries
		STP	Shalimar Tar Products
4	Post tensioning System	CRUX	Crux Processing systems Pvt Ltd.,
		VSL	VSL India Pvt Ltd.
		Ultracon	Ultracon Structural Systems Pvt Ltd
		BBR	BBR (India) Pvt . Ltd
5	PT Strands	DP wires	D.P Wires Ltd.
		TATA wiron	TATA Steel Ltd.,
		Usha Martin	Usha Martin Ltd
6	Adhesives	Dunlop	India Tyre& Rubber Co (India) Ltd.
		Vamorganic	Vamorganic Ltd.,
		Sika	Sika India Pvt. Ltd
		Fevicol	Pidilite Industries
		Proofex of adhesive	Fosroc India Ltd
		CICO	CICO Industries
		Kerabond Plus	MAPEI Construction Products India P Ltd.
		Asian Paints	Asian Paints
7	Grout	Ardex	Ardex Endura Adhesive India Pvt. Ltd
		LATA POXY	MYK LATICRETE India Pvt. Ltd
		Fugabella, Porcelana	Kerakoll India Pvt. Ltd
		Dr. Fixit	Pidilite Industries
		Weber	Saint-Gobin India Pvt. Ltd
		Ferrous crete	Ferrous Crete (India) Pvt. Ltd.
		BASF	BASF India Ltd
		FosrocGP2	Fosroc India Ltd
		MYK Schomburg	MYK Arments range of products
		Fugabella, Porcelana	Kerakoll India Pvt. Ltd

		Kerapoxy	MAPEI Construction Products India P Ltd.
		KCPL	Kunal Conchem Pvt. Ltd.,
		Asian paints	Smart Care SC GP Grout Grey
		Pidilite	Pidilite Industries Ltd.
		Care	Care
		Mapefill GPIN	MAPEI Construction Products India P Ltd.
		SIKA	SIKA India
		Smart Care SC GP Grout Grey	Asian Paints
		Home shield Super grout	Berger Paints
8	Ready Mix Concreate	Ultra Tech	Ultra Tech Concrete
		ACC	ACC Ltd
		RMC (India)	RMC (India) Pvt. Ltd.
		Lafarge	Lafarge India Pvt. Ltd
9	Mechanical coupler for Reinforcement	Dextra	Dextra India Pvt., Ltd.
		Sanfield	Sanfield India Ltd
SUB HEAD No.6			
BRICK WORK			
1	AAC Blocks	Xtralite	UlTRATECH Cement Ltd
		Areocon	HIL
		Siporex	SIPOREX
		Nucon	Green way building materials India Pvt. Ltd
		Renacon	RenaatusProcon Pvt. Ltd.
		Birla Aerocon	HIL Ltd (CK Birla Group)
		NCL	NCL VEKA Ltd.
2	Adhesive for AAC Block /Tiles	Ultrtech	Ultratech cements Ltd.
		Ardex Endura/Gold Star	Ardex Endura
		Ferrous Crete	Ferrous Crete (India)Pvt. Ltd.
		Smart Care Tile Adhesive	Asian Paints
		Tile Adhesive Plus	Berger Paints
SUB HEAD No.9			
WOOD & PVC WORK			
1	Wooden Flush door shutters	Jayna ply	Jain Wood Industries
		Raavella door	Raavella Industrials (P) Ltd
		Kailash	Kailash Hi tech Timber Industries
			India Pvt. Ltd
		Shakthi	Shree Shakthi Modern Flush door
		Greenlam	Greenlam Industries
		Mayur	Mayur Plywood
		MP Ply wood products	MP Wood products
		Archidply	Archidply Industries Ltd

		DEC	D.E.C Infrastructure & Project (India) Private Limited.
		Greenpanel	Greenpanel Industries Ltd.
		Jain Doors	Jain Doors Pvt. Ltd,
		Indian Timber Products	Indian Timber Products
		Kitply	Kitply Industries Ltd.
		DuroFlushdoors	Duro Ply Industries Ltd.
		Kenwood	Kenwood Ply & Board
		Century	Century Flush Doors
2	Water Proof Plywood, Commercial ply, Fire retardant ply and Block boards, BWR Marine Ply, BWR/ MR Ply.	Jayna ply	Jain Wood Industries
		Greenpanel	Greenpanel Industries Ltd.
		Archidply	Archidply Industries Ltd
		Kitply	Kitply Industries Ltd.
		Duroply	Duro ply Industries Ltd.,
		Century ply	Century Flush Doors
		Wuudply	M/s Prime Veneers Ltd
3	Laminates	Green Lam	Green lam Industries Ltd.
		Centuary	Centuray laminates
		Merino	Merino laminates
		Royal touche	Royal touche laminates
		Kitmica	Kitply Industries Ltd.
		Formica	Formica Laminates (India) Pvt Ltd.
		Decolam	Decolam India Pvt Ltd.
		Archidply	Archidply Industries Ltd
		Sonear	Sonear Laminates
		Sunmica	Sunmica Industries
		Vidya Ply	Vidya Ply & Board Pvt.Ltd.
		Novapan	GVK NovapanIndustries Pvt Ltd.,
		Merino	Marino laminates
4	Prelaminted particle board MDF (Exterior Grade)	Kitlam	Kit PlyIndustires Ltd,
		Ecoboard	Ecoboard Industries Ltd.
		Associate	Associate Décor Limited
		Archid ply	Archid ply industries Ltd.
		TESA	Balaji Action Buildwell
		Centuary	Centuary MDF
		Green lam	Green lam industries Ltd.
		Greenpanel	Greenpanel Industries Ltd.
5	Veenering	Greenpanel	Greenpanel Industries Ltd.
		Centuary	Centuary MDF
6	FRP Door Frames & Shutter	Jain Doors	Jain Doors Pvt. Ltd,
		Signum	Signum Fire Protection India Pvt. Ltd
		Meena Fibre Glass,	Meena Fibre Glass
		Duroplast	Duroplast extrusion Pvt Ltd
		Cactus	Cactus
		Polyline.	Poluline

7	1.Factory Made Panel door shutters 2.Factory Made Wire-Mesh Door Shutters 3.LVL Door shutters	Jain Doors	Jain Doors Pvt. Ltd,
8	High Density (HDF) Prelaminated board	Pergo	Red Floor India
		Armstrong	Armstrong world Industries
		Green ply	Green ply Industries Ltd.,
9	Gypsum board	Gyproc Saint Gobain	Saint Gobain Gyprock India Ltd.,
		Lafarge	Lafarge Gypsum India Pvt. Ltd
		USG Boral Board	USG Board India (P) Ltd.
		Armstrong	Armstrong wold Industries
10	Glass door hardware	Dorma	Dorma India Pvt Ltd
		Kich	Kich Architectural Products Ltd.
		Classic	Classic hardware
		Hafele	Hafele India Pvt. Ltd
		Ozone	Ozone Hardware.
		Geze	Geze GMBH
		Define	Define Overseas Pvt. Ltd.
		Squash	Squash glass doors
		Dorset	Dorset Industries Pvt Ltd
		Garg	D P Garg Pvt Ltd
11	Hydraulic door closers/ Floor springs	Godrej	Godrej locking solution & systems
		Hardwyn	Hardwyn hardware
		Dorma	Dorma India Pvt Ltd.
		Everite	Everite agencies
		MAGNUM KIT	Mukund Overseas
		Dorset	Dorset Industries Pvt Ltd
		Geze	GezeGMBH
		Garg	D P Garg Pvt Ltd
		Ingersolrand	Ingersolrand India Pvt Ltd
		OZONE	Ozone Hardware.
12	Locks & Latches	Dorset	Dorset Industries Pvt Ltd
		Godrej	Godrej locking solutions& systems
		Harrison	Harrison locks
		Plaza	Bharat lock House
		Yale	ASSA ABLOY India (P) Ltd.
		Hitech	Globe Locks India
		Hafele	Hafele India Pvt. Ltd
		Link	Link Locks
		Geze	GezeGMBH
		Garg	D.P. Garg Pvt Ltd.,
13	Metalic / Steel Fire Door, frame and shutters	Shakthi Hormann	Shakthi Hormann Pvt Ltd,
		Promot	Promot fire & Insulation (P) Ltd.
		Godrej	Godrej Security solutions

		Signum Fire	Signum Fire Protection India Pvt. Ltd
		MPP Schodders	MPP Technology Pvt.Ltd.
		NAVAIR	NAVAIR International Pvt Ltd
		Sukri	Sukri Fire doors Pvt.Ltd
		Kenwood	Kenwood Ply & Board
14	Fire Smoke Seal	Hilti	Hilti India Pvt Ltd.
		Raven	Raven Global
		Promat	Promat fire & Insulation (P) Ltd.
		Atroflame	Atroflame Ltd.
15	Non Metalic Floor Surface Hardners	Ironite	Ironite
		Hardonite,	Hardonite
		FOSROC	Fosroc India
		SIKA	SIKa India
		BASF	BASF India Ltd.,
		CICO,	CICO Technologies Ltd.,
		Pidilite	PidiliteIndustries Ltd,
16	Fire rated hardware	Dorma	Dorma India Pvt. Ltd
		Ingersolrand	Ingersolrand (India) Ltd,
		Geze	GezeGMbH
		Dorset	Dorset Industries Pvt Ltd
		Garg	D.P. Garg Pvt Ltd.,
		Backers FS	Backers FS
17	Non Metalic Fire door	NAVAIR	NAVAIR International Pvt Ltd
		Promot	Promot fire & Insulation (P) Ltd.
		Godrej	Godrej Security solutions
		Kenwood	Kenwood Ply & Board
18	Stainless steel screws	Kundan	Kundan Industries Ltd.
		Pooja	Pooja SteelCorportion
		Atul	Atul fasteners Ltd.
		Alloy	Alloy ltd
		GKW	GKW Limited
		Nettlefold	Nettlefold screws
19	Butt Hinges openable window shutters	Hafela	Hafele India Pvt. Ltd
		Alu Alpha	Alu Alpha India
		Earlt Bihari	EarltBihari India Pvt.Ltd.
		Dorma	DormakabaIndia Pvt. Ltd
		Garg	D.P. Garg Pvt Ltd.,
		Dorset	Dorset Industries Pvt Ltd
20	Mild Steel Butt Hinges /Piano hinges	Jolly	Jolly Engineering works
		Garg	D.P Garg& Company
		Amit	Lovely metal industries Pvt Ltd.
		Jyoti	Jyoti Architectural Pvt Ltd.
		Supreme	Supreme
		Saswat	Saswat
		Deepak	Deepak

		Swift	Swift screws
21	Stainless steel Butt hinges	Prayag	PrayagPolymers (P) Ltd
		Ozone	Ozone Hardware.
		Dorma	Dormakaba India Pvt Ltd
		Geze	GEZEGMBH
22	Concealed tower bolt	Dorma	Dorma India Pvt Ltd
		Ingersolrand	Ingersolrand (India) Ltd,
		Alu Alpha	Alu Alpha India
		Garg	D.P. Garg Pvt Ltd.,
		DORSET	Dorset Industries Pvt Ltd
23	UPVC doors, frames and window profiles	Fenesta	Fenasta DCM Shriman
		QUTE	Qute extrusion Pvt. Ltd
		LG	LG Housys India
		Kommerling	Profine India Window technology Pvt Ltd.
		Duroplast	Duroplast extrusion Pvt Ltd
		Polyline	Polyline extrusion Pvt Ltd
		Aparna Venstar	Aparna Enterprises Ltd.
		AMD	AMD overseas Impex (India) Pvt.Ltd.,
		SimtaAstrix	Simta clear coats pvt.Ltd
		Rajshri	Rajshri Productions Pvt. Ltd.
		NCL VEKA	NCL VEKA Ltd.
		Prominance	Prominance Window Systems
		Marcolini	Mathura Polypack(P) Ltd.
		Akshara Polymerss	Akshara Polymerss
		Encraft	Encraft India Pvt.Ltd.
		Rehau	Rehau Unlimited Polymer Solutions
		Aluplast	Alu Alpha India
		Shirke	B.G Shirke Construction Technology Pvt Ltd.
24	Stainless friction hinges	Hetich	HetichIndia Pvt .Ltd.
		Haffle	Haffle India Pvt .Ltd.
		Securistyle	Securistyle India Pvt.Ltd.
		Earl Bihari	Earl Bihari India Pvt.Ltd.
		ROTO	ROTO Frank Asia
		EBCO	EBCO
25	Float Glass	Saint Gobain,	Saint Gobain India Pvt.Ltd.
		Asahi	Asahi India glass .Ltd.
		Pilkinton	Pilkinton India Pvt .Ltd.
		Modiguard	Gujarat Guardian Ltd.
26	Reflective glass	Saint Gobain,	Saint Gobain India Pvt.Ltd.
		Asahi	Asahi India glass .Ltd.
		Pilkinton	Pilkinton India
		Glaverbel	Glaverbel India

		Modifloat	Gujarat Guardian Ltd.
27	Tempered reflective/clear glass	Saint Gobain,	Saint GobainIndia Pvt.Ltd.
		FUSO	FUSO Glass India Pvt.Ltd.
		Gurind	Gurind India
		Impact safety	Impact safety glassworkes Pvt Ltd
		Asahi	Asahi India glass Ltd,
		Modiguard	Gujarat Guardian Ltd.
28	Fire rated glass	Contra flam/ Pyroswiss of SanitGobain	Saint Gobain India Pvt Ltd.
		Pyran of Schott	Schott glass India Pvt.Ltd.
		Pilkinton	Pilkinton India
		Promat	Promat fire & Insulation (P) Ltd.
29	Anchor/ SS Stone Dash fasteners	Hilti	Hilti India Pvt .Ltd.
		Fischer	Fischer India
		Anchor	Anchor Ltd
		Kundan	Kundan Industires Ltd.
		Nutech	Nutech Construction Chemicals
		Canon	Cannon
		Wurth	Wuerth India Pvt. Ltd
		Trixel	Axel India Pvt.Ltd
		Helfen	Helfen Anchoring System
		BOSCH	BOSCH Ltd
30	Partions	Birla Aerocon	HIL Ltd (CK Birla Group)
SUB HEAD: 10			
STEEL WORK			
1	Structural Steel	SAIL	SAIL
		TISCO	TATA STEEL
		VIZAG	RINL
		JSW	JSW
		Apollo	APL Apollo
2	M.S.Pipes / Tubes and Hollow sections.	SAIL	SAIL
		TISCO	TATA STEEL
		METPRO	MKK Matel Section Pvt. Ltd.
		R.K. Steel	R.K. Steel Manufacturing Compnay Pvt. Ltd.,
		Apollo	APL Apollo
		Kalinga	Kalinga Tubes
		JINDAL	JSW
		Nezone	Nezone Tubes Limited
3	Stainless steel pipes / sections	Salem	SAIL
		Jindal	JSW
		SAIL	SAIL
		KINGSTON	KINGSTON Brass
		Connect	Connect ltd.
		Ark	Ark Product Pvt. Ltd
4		Kundan	Kundan Industires Ltd

	Stainless steel Bolts,washers, nuts	Pooja	Pooja Steel Corrporation
		Atul	Atul fasterners Ltd
		Hilti	Hilti India Pvt. Ltd
5	Stainless steel pressure plate screws	Kundan	Kundan Industires Ltd
		Pooja	Pooja steel corporation
		Atul	Atul fasterners Ltd
6	Welding rods	Advani	Advani oerlikon Ltd.
		ESAB	ESAB India Pvt. Ltd
7	Metal Deck Sheet	TATA	TATA STEEL
		SAIL	SAIL
8	Shear Stud/ Connector	KOCO	KOSTER & Co.
9	Steel Windows/Pressed Steel Frames	Madhu Industries,	Madhu Industries, San Harvic, NCL
		San Harvic,	San Harvic
		NCL	NCL Industries
10	MS Precision Tubes (cold seamless pipes)	R.K. Steel	R.K. Steel Manufacturing Compnay Pvt. Ltd.,
SUB HEAD No.11			
FLOORING			
1	Vitrified tiles & Bath room anti-skid tiles	Asian (AGL)	Asian Granite India Ltd
		NITCO	NITCO Ltd
		RAK	RAK Ceramic India Pvt Ltd.
		Restile	Restile Ceramic Ltd.
		Kajaria	Kajaria Ceramic Ltd
		Somany	Somany Ceramic Ltd
		Jhonson	Prism Jhonson Ltd
		Orient Bell	Orient Bell Ltd
		VarmoraGranito	VarmoraGranito Granite Pvt. Ltd
		Oasis	Oasis Vitrified Pvt. Ltd.
		Naveen	Murudeshwar Ceramics Ltd.,
		Anuj	Aravid Ceramic Industries Ltd
		Asttra	Asttra Tile and Pavers Company.
		Viero	Aparna Tiles
		Aparna Vitero	Aparna Enterprises Ltd.
2	Glazed Wall Ceramic Tiles	Asian (AGL)	Asian Granite India Ltd
		NITCO	NITCO Ltd
		RAK	RAK Ceramic India Pvt Ltd.
		Kajaria	Kajaria Ceramic Ltd
		Somany	Somany Ceramic Ltd
		Jhonson	Prism Jhonson Ltd
		Orient Bell	Orient Bell Ltd
		VarmoraGranito	VarmoraGranito Granite Pvt. Ltd
		Oasis	Oasis Vitrified Pvt. Ltd.
		Naveen	Murudeshwar Ceramics Ltd.,
		Anuj	Aravid Ceramic Industries,Ltd
3	Synthetic Sports Track flooring	Armstrong	Armstrong flooring
		LG	LG Hausys India

		Wondorfloor	RMG Polyvinyl India Ltd.
4	Linoleum sports flooring	Armstrong	Armstrong flooring India Pvt Ltd.
		Forbo	Forbo flooring India Pvt. Ltd.
		Gerflor	Gerflor flooring
5	False flooring	Hewetson	Hewetson India
		Unifloor	UnifloorIndia Ltd
		Unitile	Unitile office systems Pvt. Ltd
		Kebao	Inner Space (Distributors)
		Access floor system	Access Floor System
		PINNACLE	PINNACLE
6	Engineered wooden flooring	Armstrong	Armstrong flooring
		Werner	Durafloorwerner GmbH
		Pergo	Redfloor India
		Mikasa Real wood floors	Green Lam Industries
		New wood	New Wood india ltd
7	Cement concrete parking tiles	NITCO	NITCO Ltd
		Poddar	Poddar Udyog
		Eurocon	Eurocon tiles India
		Dazzle	Dazzle Designer tiles Pvt Ltd
		Ultra	Ultra tile private Ltd.
		Anuj	Aravid Ceramic Industries Limited,
		Asttra	Asttra Tile and Pavers Company.
		NTC	NTC Parking tiles
		Hindustan tiles	Hindustan tiles, Ranchi Pune
8	Synthetic Carpet tiles	TOLI	TOLI corporation
		Hollitex	Hollitexcarper tiles
		Standard Carpets	Standard Carpets
9	Vitrified paving tiles	PAVIT	PAVIT ceramics Pvt Ltd.
10	Glass mosaic tiles	Italia	Tile Italia mosaics Pvt Ltd.
		Palladio	Palladio Mosaics
		Bisazza	Bisazza Italy
		Coral	Coral tiles
		Mridul	Mridul tiles
		Birla White	Birla Corportion Ltd.
		JK White	JK Cement ltd.
		PAVIT (Eco Tile)	PAVIT Ceramics Pvt Ltd.
11	White Cement	ACC	ACC Cements Ltd
		Birla	Birla Corportion Ltd.
		JK White	JK Cement ltd.
12	PVC Flooring	LG Hausys	LG Hausys
		Ger flor	Gerflor flooring
		Armstrong	Armstrong World Industries
13	Grass Paver	Unistone	Unistone
		Ultra	Ultra Ltd.
SUB HEAD No.12			
ROOFING			

1	Roof Tiles (forTemperature reduction)	PAVIT (Eco Tile)	PAVIT Ceramics Pvt Ltd.
		Anuj	Aravid Ceramic Industries,Ltd
2	Thermal Insulation treatment	Elastospray	BASF
		Pidilite	Pidilite industries
		Rock India Pvt.LTd	Rock India Pvt.Ltd
		Weathercoat Kool & Seal	Berger Paints
3	Acoustic Insulation	Twingerinsul	U.P.Twigafiber glass Ltd
		Lloyd Insulation	Lloyd Insulation (India) Ltd
		Saint Gobain Gyproc	Saint GobainGyproc India
		Himalyan Acoustics	Himalyan Acoustics
		Knauf	Knauf Gypsum India Pvt. Ltd.
		Anutone	Anutone Acoustics Ltd.
4	UPVC Pipes and fittings (Rain water pipes)	Supreme	Superme Industries Ltd.
		Prince	Prince pipes and fittings Ltd.
		Finolex	Finolex Industries Ltd.
		Prepoly	Premier PVC Industry
		Ajay	Ajay Industrial Corporation
		Sharon	Sharon Extrusions
		Vectus	Vectus
		Prayag	PrayagPolimers (P) Ltd.
		Astral	Astral polytechnik Ltd.
		Ashirwad	Ashirwad PVC Pipes
		Flow Guard	Flow Guard
		Truflow	HSIL Ltd of Hindware
5	Sandwich PUF panelled roofing sheets	Lloyd Insulation	Lloyd Insulation (India) Ltd
		JINDAL MECTEC/ JINDAL	Mectec Pvt. Ltd
		Danpalon	Danapal Light architecture
		GE Plastic	GE Silicones
		LEXAN	LEXAN Ltd
6	Polycorbanate Roof Sheets	Danpalon	Danapal Light architecture
		Alcox	HindegganAlcox Ltd.
		Polygal	Polygal India Pvt Ltd.
		MG Polyplast	MG Polyplas
		GE Lexon	GE Silicones
7	False ceilings	Aerolite	Andhra Polimers Pvt. Ltd.
		Anutone	AnutoneAccoustics Ltd.
		Armstrong	Armstrong World Industries
		Ramco	Ramco Industries Ltd.
		Knauf	Knauf Gypsum India Pvt. Ltd.
		Himalyan Acoustics	Himalyan Acoustics
		Saint Gobain Gyproc	Saint GobainGyproc India
		Gridsquare	Gridsquare Ceilings
		USG Boral	USG Boral
		Hunter Dougals	Hunter Dougals
8		Armstrong	Armstrong World Industries

	False Ceiling Members (Perimeter, Ceiling section, intermediates, angles etc.,)	Gypframe steel	British Gypsum
		Knauf	Knauf Gypsum India Pvt. Ltd.
		Saint Gobain	Saint Gobain Gyproc
		Aerolite	Andhra Polymers Pvt. Ltd./Aerolite Industries Pvt. Ltd.
		Gridsquare	Gridsquare Ceilings
		Hunter Dougals	Hunter Dougals
9	Non Asbestos fiber sheet (Cement Roofing Sheets)	Charminar Fortune	HIL Ltd (CK Birla Group)
10	Galvolume sheet for roofing, cladding, Sandwitch panel	Llyod Metal Craft	Llyod Insulations.
		Tata Blue Scope	Tata Bluescope
		Bhushan	Bhushan steel
		JSW	JSW
		Essar	Essar group
SUB HEAD No.13 & 14			
FINISHING			
1	Synthetic enamel Paint	Premium gloss enamel	Asian paint Ltd
		Dulux	ICI dulux Ltd
		Nerolac	NerolacPaints Ltd
		Berger	Berger Paints
		Nippon	Nippon Paint India Ltd.
		Surfa Coats	Surfacoats Pvt. Ltd.
2	Pink primer	Wood primer	Asian paint
		Dulux	ICI dulux
		Nerolac	Nerolac Kansia Nerolac Paints Ltd.,
		Berger	Berger Paints
		Nippon	Nippon
3	Red Oxide Zinc Chromate primer	High performance yellow metal primer	Asian paint
		Dulux	ICI dulux
		Nerolac	Nerolac
		Berger	Berger Paints
		Nippon	Nippon
4	Oil Bound Distemper	Asian	Asian paint
		Dulux	ICI dulux
		Nerolac	Nerolac
		Berger	Berger Paints
		Nippon	Nippon
		mGPolyplast	Nerolac
5	Acrylic emulsion	Asian	Asian paint
		Dulux	ICI dulux
		Nerolac	Nerolac
		Berger	Berger Paints
		Nippon	Nippon
		Surfa Coats	Surfacoats Pvt. Ltd.

6	Water Proof Cement paint	Asian ext. wall primer	Asian paint
		Berger	Berger Paints
		Surfa	Surfacoats (India) Pvt. Ltd.
		Cem Colour	Snowcem Paints
		ICI DULUX	ICI DULUX
7	Acrylic smooth exterior paint	Apex	Asian paint
		Dulux	ICI dulux
		Nerolac	Nerolac
		Berger	Berger
		Nippon	Nippon
		Surfa Coats	Surfa Coats Pvt. Ltd
8	Premium Acrylic smooth exterior paint with silicon additives	ULTIMA	Asian paint
		Dulux	ICI dulux
		Nerolac	Nerolac
		Berger	Berger
		Nippon	Nippon
		Surfex Rain Shield	Surfacoats
9	Cement based wall putty	J.K.wall putty	J.K. Cement Ltd.
		Birla wall case	Birla Cements Ltd.,
		Asian paints	Asian paints Ltd
		Altek	NCL Alltek&seccold Ltd.
		Birla Hil	HIL Ltd (CK Birla Group)
		Berger	Berger
		Ardex Endura	Ardex Endura India Pvt.Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
10	Acrylic texured plaster	Apex Duracast	Asian paints
		Spectrum paints	Spectrum paints Ltd.
		Heritage	Heritage Rajkamal Group
		Asian paints	Asian Paints
		Neroloc	Neroloc
11	Ready mix cement plaster	Wall plast	Wall plast products Pvt Ltd.
		ReadiPlast	Ultratech cements Ltd.
		Ramco super plaster melamine	Ramco cements Ltd.
		Gyproc Plasters	Saint GobainGyproc India
		Ultra tech	Ultra tech Cement Ltd.
		Knauf	Knauf Gypsum India Pvt. Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
12	Melamine Polish	Asian paints	Asian paints
		Polycure	Polycuremalaysia
		Melamine Gold wudfin	Pidilite industries
13	Fire retardant paint	Jotun	Jotun paints
		Hilti	Hilti India
		Akzonobel	DuluxAkzonobel Paints
		Asian Paints	Asian Paints
		STPL Ltd.	STPL Ltd.

14	Anticorrosive bitumastic paint	Berger	Berger paints India Ltd.
		Shalimar	Shalimar paints India Ltd.
		IS 158 bituminous black	Asian Paints
15	Cement Primer	Asian paints	Asian paints
		JK Primaxx	JK Cement Ltd.
		Berger	Berger paints India Ltd.
16	Epoxy paint	Asian epoxy	Asian paints
		Berger	Berger paints India Ltd.
		Shalimar	Shalimar paints
		STP Ltd.	Shalimar Tar Products
		Ardex Endura	Ardex Endura India Pvt. Ltd.
		Mapecoat L24	MAPEI Construction Products India P Ltd.
		Nerolac	Nerolac
		Sun Epoxy Paint	Sunanda Speciality Coatings Pvt,Ltd
17	Epoxy coating	BASF	BASF India Ltd.
		Fosroc	Fosroc India
		Laticrete	MYK Laticrete India
		Ardex Endura	Ardex Endura India Pvt. Ltd.
		Mapecoat DW25	MAPEI Construction Products India P Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Sun Epoxy Paint	Sunanda Speciality Coatings Pvt,Ltd
18	Silicon coating	Dow corning	Dow corning India
		BASF	BASF India Ltd.
		GE	GE Silicones
		Wacker	Wacker silicones.
19	Textured acyrlic Exterior Paint	Asian epoxy	Asian paints
		Berger	Berger paints India Ltd.
		Surfa Coats	Surfa Coats, Pvt. Ltd.,
		Akzonobel	Akzonobel
		Ebco	Ebco
		Neroloc	Nerolac Paints Ltd
20	Ready made/ Gysum Plaster	Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Gyproc Cute 100	Gyproc India
		Ultrtech	Ultratech cements Ltd.
21	PU Enamel Metalic Paints on MS Structure & Epoxy paints (Premium Quality)	SKK	SKK Ltd.
		Akzonobel	Akzonobel
		Asian	Asian Paints
		Berger,	Berger paints India Ltd.
		MRF	MRF Paints
22	PU Coating (UV Resistant Liquid Applied Coating)	Smart Care	Asian Paints
		Pidilite	Pidilite Industries
		BASF	BASF
		Fosroc	Fosroc India

		SIKA	SIKA India
		PURoofkoat	Berger Paints
23	High end Exterior Textures	Allura/Graniza Range	Asian Paints
		SKK Brand	SKK Ltd.
		Berger	Berger paints India Ltd.
SUB HEAD No.16			
ROAD WORK			
1	Interlocking Concrete Paver Blocks	Dazzle	Dazzle designer tiles (P) Ltd.
		Ultra	Ultra tiles Pvt Ltd.,
		Shree	Shree Bharat Paver blocks
		Hindustan tiles	Hindustan tiles, Ranchi Pune
		Vyara tiles	VYARA TILES Pvt Ltd., / Surat
		Basant Betons	Basant Betons
		Asttra	Asttra Tile and Pavers Company.
		NITCO (ROCKARD)	NITCO
		BHARAT (NILSAN)	Bharat
		REGENCY	Regency
2	Solar studs/ Median markers	3M	3M Science
		Avery Dennison	Avery Dennison India Pvt Ltd.
		Nikkalite	Nippon carbideIndustires (USA)
3	Polycarbonate Convex mirrors, Rubberized road hump	Unique safety solutions	Unique safety solutions
SUB HEAD No.17			
SANITARY INSTALLATIONS			
1	Mirrors	Modi Guard	Gujarat Guardian Ltd.
		Saint Gobain	Saint Gobain Glass India Ltd.,
		AIS mirror	Asahi India glass Ltd,
		Atul	Atul glass Industries Ltd.,
		CERA	CERA Sanitaryware Ltd.,
2	Vitreous Commodes/ Washbasin	Hindware	HSIL Ltd,
		Roca	ROCA Bath room products
		Parryware	ROCA Bath Pvt. Ltd.,
		Kohler	Kohler world wide
		Somany	Somany Ceramic Ltd,
		Golf Ceramics (Prayag)	Golf Ceramics limited
		NEYCER	NEYCER India Ltd.,
		CERA	CERA Sanitaryware Ltd.,
		Rak Ceramics	RakCeramics India Pvt. Ltd
		Jaquar	Jaquar Group
		Bathsense	Asian Paints
3	Flushing Cistern with EWC/WC	Parryware	ROCA Bath Pvt. Ltd.,
		Shakti	Shakti Enterprises
		Hindware	HSIL Ltd,
		Rak Ceramics	RakCeramics India Pvt. Ltd
		CERA	CERA Sanitaryware Ltd.,

		Kohler	Kohler world wide
		Jaquar	Jaquar Group
		Bathsense/TECE	Asian paints Ltd.
4	Urinals	Parry ware	ROCA Bath Pvt. Ltd.,
		Shakti	Shakti Enterprises
		Hindware	HSIL Ltd,
		CERA	CERA Sanitaryware Ltd.,
		Rak Ceramics	RakCeramics India Pvt. Ltd
5	SWR / UPVC Pipes& fittings	Supreme	Superme Industries Ltd.
		Astral	Astral polytechnik Ltd.
		Finolex	Finolex Industries Ltd.,
		Ajay	Ajay Industries Ltd.
		Vectus	Vectus Industries Ltd.,
		Prince	Prince Pipes and fittings
		Prayag	Prayag polymers Pvt Ltd.,
		Sentini	SentiniFlopipes, India Private Ltd.
		Birla Hil	HIL Ltd (CK Birla Group)
		Astral	Astral Poly Technik Limited,
		Flowgard	Ashirwad PVC Pipes
		Truflow	HSIL Ltd of Hindware
6	Stainless Steel Kitchen sink	Jhonson	PrisionJhonson Ltd.,
		Diamond	Pheonix Appliances Pvt. Ltd.
		Jindal	Centuarypolytech
		Kingston	Kingston brass India
		Nirali	Jyoti (India) matel Industries Pvt Ltd.
		Hindware	HSIL Ltd
		Silver shine	Blue stone sanitary Industries Pvt. Ltd.
		Prayag	PrayagPolimers (P) Ltd.
		Navkar	Shri Navkar Metals Ltd.
		Futura	Futura Kitchen Sinks India Pvt. Ltd.
		CERA	CERA Sanitaryware Ltd.,
		Nilkanth	Nilkant
		Joyna	Joyna
		Franke	Franke India Ltd.
7	Sensor Based Auto flush Systems	AOS Systems,	AOS Systems
		TOTO	TOTO Ltd
		Parryware,	Parry ware
		Hindware,	HSIL Ltd
		Grohe,	Grohe
		Jaquar	Jaquar Group
		Kochier	Kochier
8	Centrifugally Caste (Spun) Iron Soil waste, Pipes and fittings.	Neco	JayaswalNeco Ltd
		RPMF	Raj Pattern Makers and Founders Pvt. Ltd.

		SKF brand	SKF Industries
		HEPCO	Hepco
		Bengal Iron Corporation	Bengal Iron Corporation
		HIF	M/s.Babulal Bajaj Iron Foundry
9	Modular Kitchen / Wardrobes/Hardware and Accessories	Sleek	Asian Paints
		Godrej	Godrej & Boyce Co.
		Spacewood	Spacewood
		Evoke	Evoke
SUB HEAD No.18			
WATER SUPPLY			
1	PE-AL-PE Composite pipes	Kitec	Kitec Industries (India) Pvt. Ltd.
2	G I Pipes	TATA	TATA Steel Ltd.,
		Zenith	Zenith Birla (India) Ltd.
		Jindal	Jindal Pipes Ltd.,
		R.K. Steel	R.K. Steel Manufacturing Company Pvt. Ltd.,
		HISSAR	HISSAR
		Apollo	APL Apollo
3	G I Pipe fittings	Zoloto	Zoloto Industries
		Unik	Unikmalleables
		HB	HB Industries
		ICS	Sgreesamarth Engineers
		R.K. Steel	R.K. Steel Manufacturing Company Pvt. Ltd.,
4	Water supply Valves	Zoloto	Zoloto Industries
		leader	leader valves Ltd.,
		ARCO	Arco valves Pvt. Ltd.,
		Nanda	Nanda Miller company
5	CPVC pipes and fittings	Supreme	Supreme Industries Ltd.
		Finolex	Finolex Industries Ltd.
		Astral	Astral Polytechnik Ltd.,
		Prince	Prince Pipes and finttings Ltd,.
		Ajay	Ajay Industrial corporation
		Prayag	Prayag polymers Pvt Ltd.,
		Vectus	Vectus Industries Ltd.,
		Truflo	HIS Ltd.
		Anil	Anil Thermoplastics Pvt. Ltd.
		Birla Hil	HIL Ltd (CK Birla Group)
		Sentini	SentiniFlopipesIndi a Pvt. Ltd.
		Astral	Astral Poly Technik Limited,
		Ashirwad	Ashirwad PVC Pipes
		Flowgard	Flowgaurd
6	PVC / HDPE water storage tanks	Sintex	Sintex plastic technology Ltd,.
		Vectus	Vectus Industries Ltd.
		Supreme	Supreme Industries Ltd.
7		Jaquar	Jaquar Group

	Water supply fixtures like bibcock, Shower panels CP Brass fixtures like bibcock, angle cock , Piler Cock, mixtures, Showers etc.,	Parryware	Roca bath room products Pvt. Ltd,
		Metro	Metro sanitations Pvt. Ltd.,
		Waterman	Kewal brothers
		Seiko	Seiko Sanitations
		Prayag	Prayag polymers Pvt Ltd.,
		Kingston	Kingston brass India
		Johnson	Prism Jhonson Ltd
		Shakti	Shakti Enterprises
		CERA	CERA Sanitaryware Ltd.,
		MARC	MARK Showers
		HINDWare	HSIL Ltd.
8	Air release valve	Kirloskar	Kirloskar brothers Ltd.,
		RBM	AFS Ltd.,
		Kartar	Kartar valves private Ltd.,
9	Centrifugally (Spun) Cast Iron pipes	Lanco	Electrosteel castings Ltd.
		Jindal	Jindal saw Ltd.
		Kesoram	Kesoram Industries Ltd.
		Electrosteel	Electrosteel castings Ltd.
10	Spun cast iron fittings	Neco	JayaswalNeco Ltd.
		Kartar	KartarValves Private Ltd.
		Electrosteel	Electrosteel castings Ltd.
		Kapilansh Centrifugal	Kapilansh Dhatu Udyog(P)Ltd.
		SKF brand	SINGHALIRON FOUNDARY Pvt.Ltd
11	CI double flange sluice valve	Kirloskar	Kirloskar brothers Ltd.,
		RBM	AFS Ltd.,
		Kartar	Kartar valves private Ltd.,
		IVS	Indian valves private Ltd.,
		Zoloto	Zolota Industries
		Leader	Leader valves Ltd.
		BURN	BURN
12	CI double flanged non return valve	Kirloskar	Kirloskar Brothers Ltd.,
		Fluidtech	Fluidtech
		Zolto	Zolota Industries
13	Gun metal Valves	Zolto	Zolota Industries
		Leader	Leader valves Ltd.
		Sant	Sant valves Pvt Ltd,
		Audco	L&T Valves
14	PTMT/PVC water supply fittings like bibcocks, pillar cock, Angle valve, Stop Valve etc.	PEARL	Precision Products
		Prayag	Prayag Polymers (P) Ltd
		Supreme	Supreme Industries
15	Float Valve (Ball Valve)	Prayag,	Prayag Polymers (P) Ltd
		Leader,	Leader valves Ltd.
		Zoloto,	Zolota Industries
		IBP	IBP Industries
		Arco	Arco valves Pvt. Ltd.,

16	HDPE pipes	DEC	D.E.C Infrastructure & Project (India) Prviate Limited.
SUB HEAD No.19			
DRAINAGE			
1	* RCC Pipes	Indian Hume Pipe	Indian Hume Pipe Ltd.,
		Jain & Co	Jain spun pipes Co.,
		Lakshmi Sood&Sood	Lakshmi Sood&Sood Pipe Co.
	(*) Madurai spun pipes has been discontinued from the approved list as they have confirmed that they do not possess BIS license.		
2	CI Manhole cover	Neco	JayaswalNeco Ltd.,
		BIC	Bengal iron corporation
		DEC	DEC Infrastructure & Project (India) Prviate Limited.
		HEPCO	Binay Udyog Pvt. Ltd.
3	SFRC Cover and grating	KK	KK Manhole and gratings Co Pvt Ltd.,
		Advent	Advent concrete vision
		Nu-TEC	Nu-Tech concrete products (P) Ltd,.
		Kutty	Kutty Industries
		DEC	DEC I & P India Pvt.Ltd.
4	Plastic Encapsulated Foot Rest	KK India	KK Manhole & gratings Co Pvt Ltd
		KGM	KGM Exports.
		Accurate Buildcon	Accurate Buildcon company.
5	Spun cast iron covers & gratings	Neco	JayaswalNeco Ltd
		Jagannath	Sri Jagannath Iron Foundry Pvt. Ltd.
		Kapilansh Centrifugal	Kapilansh Dhatu Udyog(P)Ltd.
		SKF brand	SINGHALIRON FOUNDARY Pvt. Ltd.,
SUB HEAD No.21			
ALUMINIUM WORK			
1	Aluminium doors/windows sections	Hindalco	Hindalco Industries Ltd.,
		jindal	Jindal Aluminium Ltd.,
		Bhoruka	Bhoruka Aluminium Ltd.,
		Indal	Indian Aluminium Ltd.,
		Padmavathi Extrusion	Padmavathi Extrusion Private Ltd.
		Hydro	Hydro Extrusion
		Omalco Extrusion	Omalco Extrusion Pvt. Ltd.
		Bhoruka	Bhoruka Aluminium Ltd.,
2	Aluminium systems/ Anodised aluminium fittings for doors/windows	Define	Define Overseas Pvt.Ltd.
		Schueco	SchuecoIndia Pvt. Ltd.,
		Bhoruka	Bhoruka Aluminium Ltd.,
		Kawneer	Kawneer India
		Hardima	Hardima sales corporation
		Everite	Everite Agencies
		Sigma	Sigma Corporation

		Jyothi	Jyothi Industries
3	Friction stay hinges	Earl Bihari	Earl Bihari Pvt. Ltd.
		KINLONG	Kinlong Industries
4	EPDM Gaskets	Anand	Anand NVH products (P) Ltd.,
		Roop	Roop Polymers Ltd.,
		Bohra	Bohra rubber Pvt Ltd.,
		Hanu	Hanu Industries
		Amee Rubber	Amee Rubber Industries Pvt Ltd.
5	Silicon Gaskets	Sree Gaurav	Sree Gaurav Rubber products
6	Masking Tapes	3M	3M
		Sun	Sun
		Wonder polymer	Wonder Tape Industries
		Roop	Roop Polymers Ltd.,
7	Rockwool/ Glasswool insulation	Twigafiber	Twigaifiber glass ltd
		Llyod Insulation	Llyod Insulation Ltd.
		Supereme	Supereme Industries ltd
8	Aluminium Formwork	MFE(MIVAN)	MIVAN
		S-Form	S-Form
		MFS	MFS
SUB HEAD No.22			
WATER PROOFING WORK			
1	Water proofing compound	Fosroc	Fosroc India
		Sika	Sika India
		Dr. Fixit	PidiliteIndustires
		CICO	CICO Technologies Ltd.,
		Impermo	Snowcem paints
		Accoproof	ACC cements Ltd.,
		Ardex Endura	Ardex Endura (India) Ltd
		Alchemica	Alchemica Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		MYK Schomburg	MYK Arments range of products
		Penetron	Penetron India Pvt.Ltd
		Smart Care	Asian Paints
		Cementmix Plus/ Advanced Latex Plus	Berger Paints
		Shaliplast LW+	STP Ltd
		Mapecure AS/Mapecure E 30/Mapecure ASE	M/s MAPEI Constructions Product India Pvt.Ltd.
		KCPL	Kunal Conchem Pvt. Ltd.,
2	Membarane Water proofing system	BASF	BASF India Ltd.,
		STP Ltd	STP Ltd
		Texsa	Texsa India Ltd
		WR Grace	WR Grace Co India Pvt Ltd,
		Dr. Fixit	PidiliteIndustires
		Alchemica	Alchemica Ltd.
		Hydro tech	Hydro tech Ltd
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.

		MYK Schomburg	MYK Arments range of products
		Asian paints	Smart Care Water Proofing products
		Ardex Endura	Ardex Endura ltd
		Mapeplan TU S20/Planiseal 88/Planiseak 288	M/s MAPEI Constructions Product India Pvt.Ltd.
		Elastoroof PU/Sunroof PU/Sunkote	Sunanda Speciality Coatings Pvt,Ltd
		KCPL	Kunal Conchem Pvt. Ltd.,
3	Chemical water proofing system	BASF	BASF India Ltd.,
		MC-Bauchemie	MS-Bauchemie India Ltd.,
		Sika	Sika India
		Sunanda speciality coating	Sunanda speciality coating Pvt Ltd.
		Perma construction Aid	Perma construction Aid Pvt Ltd,
		Fosroc	Fosroc India
		Dr. Fixit	Pidilite Industries
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Smart Care	Asian Paints
		Latexshield 2K/Tankshield PW	Berger Paints
		KCPL	Kunal Conchem Pvt. Ltd.,
4	Water stops	Hydrotite	Sika India
		BASF	BASF India Ltd.,
		Dr. Fixit	Pidilite Industries
		Hydroswell	Sika India
		Ardex Endura	Ardex Endura ltd
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Smart Care	Asian Paints
5	Atactic Polypropylene (APP) Modified Water proof Membrane	STP	Shalimar Tar Products
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Bitumat Co. Ltd,	Bitumat Co. Ltd,
		Pidilite	Pidilite Industries Ltd,
		Ardex Endura	Ardex Endura
		Hydrotech Ltd.	Hydro tech Ltd
		Smart Care	Asian Paints
		Proshield	Berger Paints
		IWL India Limited	IWL India Limited
6	EPDM Water Proofing Membrane	Smart Care	Asian Paints
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Pidilite	Pidilite Industries
		STP	Shalimar Tar Products
		Fosroc	Fosroc India
SUB HEAD No.25			
ALUMINIUM COMPOSITE PANELS			
1	Aluminium composite panels	Alucobond	3A Composites India Pvt.Ltd.

		Eurobond	M/S Euro panel products Pvt. Ltd.
		Aludecor	M/S Aludecor Lamination Pvt. Ltd.
		Reynobond	Reynobond
		Alpolic	Alpolic
		Alstrong	Alstrong
		Hynadecor	Hynadecor AC Panels, Delhi
		Alstone	Alstone, New Delhi
		Eurobond	Eurobond Pvt. Ltd., Delhi
2	Structural Glazing	Modi	Modi Guard
		Saint Gobain	Saint Gobain Glass India Ltd.,
		Asahi,	Asahi India glass Ltd,
		Glaverbel.	Glaverbel India
3	Spider Patch Fittings for Structural Glazzing	Dorma	Dormakaba India Pvt. Ltd
		Sevax	Saint Gobain Glass India Ltd.,
		Kich	Kich India
		Ozone	Ozone Ltd
		Hafele	Hafele Ltd
MISELLANEOUS ITEMS			
1	PVC Perforated Pipes	Rex Polyextrusion	Rex Polyextrusion Ltd,
		Akash Enterprises	Akash Enterprises
		Zenplas Pipes	Zenplas Pipes Pvt. Ltd.,
		Supreme	Supreme Industries
2	Play Equipment's	Koochie Play	Koochie Play Systems Pvt. Ltd,
		Playworld Systems	Playworld Systems India
3	Structural Sealant	Dow corning	Dow corning India
		Wacker	Wacker Silicones.
		GE	GE Silicones
		Fosroc	Fosroc India
		BASF	BASF India Ltd.,
		STP Ltd.	Shalimar Tar Products
		Asian paints	Smart Care Sealant
4	Poly-sulphide sealant	Dr. Fixit	Pidilite Industries Ltd,
		Chemetall-Raj	BASF India Ltd.,
		Fosroc	Fosroc India
		Techseal	Choksey Chemical Pvt. Ltd,
		Tuff seal	Bondit construction Chemical
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		MYK Schomburg	MYK Arments range of products
		Pidilite	Pidilite Industries
		STP Ltd.	Shalimar Tar Products
		Smart Care	Asian Paints
5	Bitumen Impregnated Board	Shalitex	STP Limited
6	Polyethylene backer rod	Supreme	Supreme Industries
7	Epoxy	Fosroc	Fosroc India
		Shalibons	STP Limited

		CICO Poxy	CICO Technologies Ltd.,
		Ardex	ArdexEndura (India) Pvt. Ltd,.
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Asian paints	Asian Paints
8	Weather / Structural Silicon sealent	Dow corning	Dow corning India
		Momentive (GE)	GE Silicones
9	GRC Jali	Terrafirma	Terrafirma GRC Industries
		Ecovision	Ecovision Industries Pvt. Ltd.,
		Mahesh GRC	Mahesh Prefab Pvt Ltd.,
10	Air transfer grills	Cool grills	Cool grills, Pune
		Systemair India	Systemair India Pvt. Ltd.,
11	Ply wood for concrete shuttering work.	Balajee ply	Balajeeply product Pvt. Ltd
12	Grass Paver	Unistone	Unistone
		Ultra	Ultra Ltd.
13	Puff Insulations	Smart Care	Asian Paints
		Llyod Insulation	Llyod Insulation (India) Ltd.
		Fosroc	Fosroc India
		BASF	BASF
		Pidilite	Pidilite Industries Ltd.
		Supreme	Supreme ltd
14	Wood polymer composite materials for Door frames and shutters, Plain/ pre laminated boards for wall linings etc,.	Alstone	AlstoneIndusties Pvt. Ltd., Jaipur, Rajastan
		Ecoste	Ecoste wood polymer composite, Delhi
		Echon	Kumar Arch Tech Pvt. Ltd, Rajastan.
		Rajasree	Rajeswari Products Pvt.Ltd, Madya Pradesh
		Qute	Qute Extrusions Pvt. Ltd., Chennai
		Prominance	Prominance Window Systems
15	Bamboo Wood Flooring and Wall Paneling	Epitome Bamboo wood Products	Mutha Industries
		Floor India	Flooring India Company, Panipat Haryana
		Ecorgreen flooring	Jupiter Traders, Bangalore.
16	Organic microbes for OWC	Prapt Organics	Prapat Organics
		My green Bin	My green Bin
		Shara Eco Products	Shara Eco Products

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Cover No	Cover	Document Type	Description	Remarks
1	Fee	.pdf	EMD (Earnest Money Deposit)	Scan Copy of Demand Drafts (original).
		.pdf	Bid Security Form (Annexure 7)	The Form has to be submitted in the Letter Head of the Firm/Company/ Enterprises along with appropriate Sign & Seal)
2	PreQual/ Technical	.pdf	Declaration by the firm that it has never been black-listed	Self-declaration by the firm duly signed & stamped
		.pdf	Details to be furnished by the Contractor. (Tender Document Pg. No.14)	Duly filled and signed and stamped Checklist for Bid / Tender Document available in the page no.14
		.pdf	Other Important Documents. (Combined Copy)	Details to be furnished by the Contractor Form (Tender Document Pg. No.14) Relevant certificates for items 2b-7 are to be enclosed
		.pdf	Technical Bid	Tender Document & Tender Related Documents
		.xls	Technical Bid	Tender Document & Tender Related Documents
		.pdf	Details of similar works executed with Govt. depts./reputed private Ltd, companies or educational institution/ universities during last 7 years.	Similar works relevant work orders and Experience Certificate Copies to be upload.
3	Finance / Price Bid	.xls	Price Bid (BoQ)	Duly filled in Price Bid Excel file
		.pdf	Scanned copy of item wise breakup of price bid.	Item wise breakup of price bid in PDF (duly signed)

OID Bid (Other Important Documents to be uploaded) **Other Important Documents**

S.No	Category	Sub Category	Format/ File	Remarks
1	Certificate Details	Permanent Account Number	.pdf	Scanned Copy of Original PAN CARD of the firm.
2	Certificate Details	Registration Certificate	.pdf	Registration Certificate Details (Any firm registration Copy)
3	Certificate Details	Bidders Address Format	.pdf	Bidder Complete Profile (To be provided by the bidder in their business letter head)
4	Certificate Details	Provident Fund Certificate	.pdf	Certificate copy of Employees' Provident Fund Organization
5	Certificate Details	Employees State Insurance Certificate	.pdf	Employees State Insurance Certificate
6	Certificate Details	GST Registration Certificate	.pdf	GSTIN Registration certificate