NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 15

Web: www.nitt.edu **Phone: 0431-2503830**

e-Procurement Notice

Ref: NITT/EMD/AMC/CVL/ Tender/2025-26/03 **Dated: 22.04.2025**

E-TENDER FOR ANNUAL REPAIR AND MAINTENANCE OF CIVIL WORKS AT NIT-TRICHY.

Online tenders are hereby invited in **Two Bid System** from Indian Nationals for **Annual Maintenance Contract for Civil Works at NIT-Trichy.** Bidders can download complete set of bidding documents from e- procurement Platform https://eprocure.gov.in/eprocure/app from **22.04.2025** onwards. Bidders need to submit the bidsonline 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: 13.05.2025 (15.00Hrs)
(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	**22.04.2025 (17.00Hrs)**
Bid Document Download Start Date	**22.04.2025 (17.00Hrs)**
Clarification Start Date	**22.04.2025 (17.00Hrs)**
Clarification End Date	**10.05.2025 (17.30Hrs)**
Pre-Bid Meeting Date	**05.05.2025 (11.00Hrs)**
Bid Submission Start Date	**22.04.2025 (17.00Hrs)**
Bid Submission End Date	**13.05.2025 (15.00Hrs)**
Bid Opening Date(Technical)	**14.05.2025 (15.00Hrs)**
Bid Opening Date(Price)	Will be announced after technical evaluation

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 copyof the instrument should be uploaded as part of the offer.

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

Estate Maintenance Department

Web: www.nitt.edu **Phone: 0431-2503830**

Tender Document **(e - Procurement)**

Name of Work/ Service	:	**Annual Maintenance Contract for Civil Works at NIT Trichy.**
Tender Notification No	:	**NITT/EMD/AMC/CVL/ Tender/2025-26/03**
Date	:	**22.04.2025**
Name of the Department	:	**Estate Maintenance Department**
EMD Amount	:	**Rs. 3,00,000/-**
Last Date & Time of submission of Tender	:	**13.05.2025 (15.00Hrs)**
Address for submission of Tender	:	**THE DIRECTOR, NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI-15.**
Date & Time of opening of technical bid	:	**14.05.2025 (15.00Hrs)**

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 themcarefully 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 publishedbefore 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 accessDSC.
10. Bidder may select the tender in which he / she is interested in by using the search option and thenmove 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 than2 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 detailsetc., under "My Space option" and these can be selected as per tender requirements and then sendalong with bid documents during bid submission. This will facilitate the bid submission processfaster by reducing upload time of bids.
15. Bidder should submit the Tender Fee / EMD as specified in the tender. The hard copy should beposted / couriered / given in person to the Tender Inviting Authority, within bid submission duedate 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 applicableand enter details of the instruments.
17. The details of the DD / any other accepted instrument, physically delivered, should tally with thedetails

available in the scanned copy and the data entered during bid submission time, otherwisesubmitted 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 acceptthe 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 documentincluding 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.

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. ThePriced-bid / BOQ template shall not be modified / replaced by the bidder; else the bid submittedis 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 SystemClock). 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 remainvalid for all actions of requesting, bid submission, bid opening etc., in the e-Tender system. Thebidders should follow such time during bid submission.

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

Web: www.nitt.edu **Phone: 0431 –250 3830**

TENDER DOCUMENT

(TECHNICAL BID)

Name of work	**Annual Maintenance Contract for Civil Works at NIT-Trichy.**
Value of work	**Rs.2,50,00,000/- (Plus GST Extra Applicable)**
Tender Enquiry No.	**NITT/EMD/AMC/CVL/Tender/2025-26/03 Dt: 22.04.2025**
Period of Contract	**12 Months (may be extended for an additional one year or part thereof subject to performance and at sole discretion of NIT Trichy).**

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPALLI - 15
Estate Maintenance Department

NOTICE INVITING TENDER

01.	Name of work	**Annual Maintenance Contract for Civil Works at NIT-Trichy.**
02.	Estimated Cost	**Rs.2,50,00,000/-** (Plus GST Extra Applicable)
03.	Earnest Money Deposit(Refundable)	**Rs.3,00,000/-** (Three lakhs only) *To be remitted through Demand Draft drawn infavor of the Director, NITT.
04.	Period	**12 Months** upon completion of the initial 12-month period, the contract may be extended for an additional one year or part thereof subject to satisfactory performance and at the sole discretion of NIT Trichy.
05.	Cost of Tender Document	NIL
06.	Date and Time of Pre-Bid Meeting	**05.05.2025 (11.00 Hrs).** (Venue: Estate Maintenance Department,National Institut of Technology, Tiruchirappalli-620015)
07.	Last Date and Time for submission of E-Tender.	**13.05.2025(15.00 Hrs) (Server time)** **(Late bids shall not be accepted)**
08.	Date & Time of Opening Technical bid	**14.05.2025 (15.00 Hrs)** (Venue: Stores and Purchase Section, National Instituteof Technology, Tiruchirappalli-620015)
09.	Date and time of Opening 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 Tender	**The Director,** **National Institute of Technology,Tiruchirappalli - 620 015**
11.	Procedure for submission of Bid	**E-TENDER** Through Central Public Procurement Portal (CPPP) https://eprocure.gov.in/eprocure/app

Contractor Sign & Seal

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 beclear, firm, complete & legible. If necessary, separate sheet shall beused.
1	Name & Complete address of the tenderer with contact details:	
2 (a)	Details of EMD Demand Draft no. Amount Rs.: Bank details:	(Bids without EMD will be summarily rejected)
2 (b)	NSIC /MSME 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 5financial 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 completedetails

Note: Relevant certificates for items 2b-7 are to be attached.

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 Director / NITT or representative of NITT to approach the end client to verify the source of the certificate, our competence, if required, for processing the tender.

Contractor Sign & Seal

NATIONAL INSTITUTE OF TECHNOLOGY,

TIRUCHIRAPPALLI

NOTICE INVITING TENDER

Tender Notification No.: **NITT/EMD/AMC/CVL/Tender/2025-26/03 Dated: 22.04.2025**

National Institute of Technology, Tiruchirappalli invites E - tender, in **Three cover system (1.EMD Fee, 2. Technical Bid and 3. Financial bid) up to 12.00 p.m. on 13.05.2025** following work:

Name of work	EMD	Period
Annual Maintenance Contract for Civil Works at NIT-Trichy.	**Rs. 3,00,000/-**	**12 Months** upon completion of the initial 12-month period, the contract may be extended for an additional one year or part thereof subject to performance and at the sole discretion of NIT Trichy.

ELIGIBILITY CRITERIA: -

i) Contractors who fulfill the following criteria are eligible to submit the tender. Experience of having successfully completed similar Civil construction /Maintenance works during the **last 7 (Seven) years up to 31-03-2025** 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 costing not less than **Rs.60,00,000/- (Rupees Sixty Lakhs).**

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 costing not less than **Rs.75,00,000/- (Rupees Seventy-Five Lakhs).**

OR

c. One similar work (Central/State Government / Central/State Autonomous Bodies / Public Sector Undertaking/Private limited company /Reputed Education Institute) costing not less than **Rs.1,20,00,000/- (Rupees One crore Twenty Lakhs).**

Similar works under this clause means Maintenance / Repair works / Civil constructions of building and water supply etc., or Maintenance work to educational buildings / commercial buildings / public buildings / hostels / factories. 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.

Performance certificate from the department where the work is completed.

ii) Should have an average annual financial turnover of not less than **Rs. 45 lakhs (Rupees Forty-Five Lakhs)** in any three years among the last Five financial years.

iii) Should have made profit in preceding Three financial years.

iv) Should have a solvency of not less than **Rs. 60 Lakhs (Rupees Sixty Lakhs)** from any Nationalized /scheduled bank issued **on or after 21.10.2024.**

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

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

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPALLI -620 015.

Estate Maintenance Department

INSTRUCTION TO TENDERERS

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.

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.

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.

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

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 NIT's requirement then and there.

6) Bid validity period is 120 days.

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.

8) 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.

9) Probable operation of various items are 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.

10) 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**.**

11) 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.

12) 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 is 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.

13) The contractor has to furnish the security deposit, as per the Clause indicated elsewhere in this document, if the work is awarded. Further the contractor has to furnish 50 % of security deposit before signing of agreement and commencement of work.

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 workis 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.

15) The decision of Institute authority shall be final and binding on the contractor regardingclarification of items in this tender schedule.

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.

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 workinghand including Supervisors, Engineers should wear the personal protective items and safety measures such as helmets, safety belts, shoes, etc., before entering into working place.

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.

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, watersupply, railway track laying and aligning works, sewerage system work, etc.

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

21) 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.

22) 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.

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

24) 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.

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

26) 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.

27) 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 NITT, Trichy.

28) No advance / mobilization advance will be given by NITT.

29) Default of Contractor

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.

i) If the performance of the contract is not satisfactory and not corrected within 15 days of receiving notice, then NITT 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

30) PENALTY FOR COMPLAINTS

Repair and Maintenance related complaints (Other than Emergency Complaints) that are required to be attended and submitted within Seven (7) 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. In case, the cumulative penalty exceeds 10% of the work order/annual executed value, the contract will be terminated without any notice.

The Emergency complaints need to be completed within 24 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 .

31) LIQUIDATED DAMAGES FOR SPECIAL WORKS:

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.

32) Risk and cost:

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 NITT 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).

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

34) 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.

35) 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 inpage No. 01, and the Contractor will have to plan his work accordingly.

36) Generally, the maintenance period for any work under NITT will be SIX (6) MONTHS from the date of completion of each work.

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

38) Incomplete offers will become liable for rejection.

39) 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.

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

41) The Director, NIT, Tiruchirappalli reserves the right to accept or reject any or all the tenders without assigning any reason thereof.

42) The Director, NIT, Tiruchirappalli-15 also reserves the right to disqualify such bidders in the future tenders whose performance was not satisfactory against the earlier contracts entered into NIT, Tiruchirappalli-15.

43) After award of the contract, if performance of the selected contractor is found to be not satisfactory during the trial period of three months, NITT 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 NITT in carrying out the service through alternate agency. If the performance is satisfactory, the contract will be automatically extended for remaining nine more months.

44) The contract may be split and awarded to two agencies at the discretion of NITT by counter offering the lowest acceptable quote(L1 rate) to the second lowest in the order of their tender position. If two agencies are considered for award, the L1 will be awarded for 60% of work followed by 40% to the second lowest. The First lowest contractor will be allotted for the area Institute zone & Quarters zone. The second lowest contractor will be allotted for the area of Hostel zone. However, in case of emergency and on need basis the agencies will be engaged for the works in other zones also as decided by Engineer-in-charge.

This tender works will be awarded to maximum of two contractors only and the condition of distribution will be as per the table given below. The offer to Tenders to accept L1 rate will be in the order of the value quoted by them, Lower to Higher, i.e. L2, L3, L4 etc.

The counter offering will be sort from L3 in case of rejection by L2, counter offering will be sort from next lowest bidder L3 and so on.

Counter-offering split ratio in case of maximum 2 Contractors (including L1)				
No. of L1 vendors	No. of Counter-offer accepted L2/L3/L4 vendors	Splitting Ratio		
1	1	L1:L2	::	60:40
	0	L1	::	100

45) 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 NITT. 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.

46) Requirement of Technical Staff for the Work

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.

(i) 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.

(ii) 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.

47) The following 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.

a) For Institute & Quarters Zone, Graduate Engineer 1 no with Minimum 3 years' experience and 2 Diploma Engineers with minimum 2 years' experience, 3 nos of skilled Carpenters, 3 nos of skilled Plumbers

and 2 nos of skilled Mason. If any short fall in the above manpower, the skilled manpower/ Supervisor wages will be recovered for the non-deployment.

b) For Hostel Zone, Graduate Engineer 1 no with Minimum 3 years' experience and 1 Diploma Engineer with minimum 2 years' experience, 2nos of skilled carpenters, 2nos of skilled plumbers and 1no skilled mason. If any short fall in the above manpower, the skilled manpower/Supervisor wages will be recovered for the non-deployment.

c) The computer system with printer has to be provided by the contractor. If not deployed hire charge of the computer at prevailing market rate will be recovered.

d) No extra payment will be given for engaging manpower in sl.no 46 (a, b &c) and contractor has to quote accordingly.

48) EARNEST MONEY DEPOSIT:

Earnest Money is to be paid by each tenderer to ensure that the tenderer does not refuse to execute the work after it is awarded to him. Shall also be furnished in the form of Demand Draft in favour of The Director, NIT Tiruchirappalli. EMD in any other form will not be accepted.

Demand Draft for **Rs. 3,00,000/-** (Rupees Three Lakhs only) towards EarnestMoney Deposit which is refundable to the unsuccessful bidders. In respect of successful bidder, the same will be adjusted against the security deposit.

Tender documents received without EMD shall be summarily rejected. Original Demand Draft to be received in due date of tender, otherwise tenderer may be disqualified.

EMD in any other form will not be accepted. Bids submitted without EMD will summarily rejected. Non-submission of Demand Draft in original to the Tender Inviting Authority, Technical Bid will be rejected.

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 duedate and time as indicated in the tender. Scanned copy of the instrument should be uploaded as part of the offer.

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 Director, NIT Tiruchirappalli payable at SBI branch at NITT. EMD in any other form will not be accepted.

EMD of the unsuccessful contractor shall be refunded on finalization of the contractor and the EMD amount shall not carry any interest.

EMD by the Tenderer will be forfeited if,

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

b) EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of acceptance of award of work by the successful tenderer.

c) EMD shall not carry any interest.

49) SECURITY DEPOSIT:

I. Security Deposit should be collected from the successful tenderer, before start of the work, the rate of Security Deposit will be as below:

Up to Rs. 10 lakhs 10%

Above Rs. 10 lakhs up to Rs.50 lakhs Rs.1 lakh + 7.5% of the amount exceeding Rs. 10 lakhs. Above Rs. 50 lakhs Rs.4 lakhs + 5% of the amount exceeding Rs. 50 lakhs.

II. 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 Director, NIT, and Tiruchirappalli** is accepted towards Security Deposit.

III. Security deposit can also be recovered at the rate of 10% from the running bills. However,in such cases at least

50% of the Security Deposit should be deposited before start of the work and the balance 50% may be recovered from the running bills.

IV. EMD of the successful tenderer shall be converted and adjusted against the security deposit.
V. The security deposit shall not carry any interest.
VI. 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.

VII. NITT 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.

VIII. All compensation or other sums of money payable by the Contractor to NITT under the terms of this contract or under any other contract with NITT 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 NITT 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.

50) REFUND OF SECURITY DEPOSIT: - 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.

Tender for the work shall remain open for acceptance for a period of 120 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 Institute, then NITT, shall without prejudice to any other right or remedy, beat 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.

51) PRE-BID MEETING: The Tenderers or his authorized official representatives are invited to attend a Pre-bid Meeting which will take place at the Estate Maintenance Department on **05.05.2025 at 11.00 AM**. 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 EXECUTIVE ENGINEER, NITT 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.

52) 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, NIT Trichy 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 Institute 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.

The format of bid security declaration form has to be submitted in the letter head of the firm/ company/ enterprises along with appropriate sign & seal (enclosed in Annexure-I).

53) PERFORMANCE REVIEW: A monthly review will be conducted by the Chief of Works/Executive Engineer, NITT in the following aspects of the contract implementation: Performance of the contractor Schedule for work assigned Levy of penalty for delayed completion of jobs Rating the work done Operation of dispute resolution mechanism for settlement of dispute with the contractor.

NITT 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.

a. lf the tenderer deliberately gives wrong information in his tender or creates conditions favorable for the

acceptance of his tender, NITT reserves the right to reject such tender at any stage.

b. The expenses for completing and stamping the agreement shall be paid by the contractor.

c. Tenderers shall not increase their quoted rate in case NITT, 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 three months from the date of opening of tenders.

d. 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

e. 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.

f. 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.

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

h. This tender notice shall be deemed to form an integral part of the contract to be enteredinto for this work.

i. 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.

54) 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.

55) 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 NITT subject to prompt notification by the tenderer to NITT of the particulars of the events and supply to the NITT 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 NITT 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 patties 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 NITT. 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 NITT about any such hold under enforcement on the subject tenderer, NITT 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.

56) 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 NITT on account of such breach, pay as agreedcompensation an amount calculated as stipulated below or such smaller amount as may be fixed by the NITT 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 1 percent of contract value per week of delay provided always that the total amount of compensation for delay to be paidunder this condition shall not exceed 10% of the contract value or of the contract value of theitem 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 theContractor under this or any other contract with the NITT.

SECTION-I

GENERAL CONDITIONS OF CONTRACT

1. The work has to be carried out in NIT campus, Tiruchirappalli.

2. The scope of work inter alia includes the following with free power wherever needed, all within NITT.

3. Scope of work: It includes maintenance activities of all Civil works, minor Structural steel works, Interior decorations, Roads, Water supply, Sewer lines, Horticulture etc., all in NITT campus that consist of Hostels, Institute Buildings, Residential Quarters and with other buildingslike Auditorium, Seminar Hall, Schools, Hospital, Recreation Center, community hall, Shopping Centre, etc.

i. The contactor graduate 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 Estate 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 NITT. In such case, it is to be carried out in the presence of NITT officials or their authorized persons.

6. The tenderers are advised to visit NITT premise and get themselves acquainted with the site condition and nature of this maintenance contract before submitting the offer.

7. The tender value of Rs.250.00 lakh includes cost of cement, reinforcement steel & structural steel which can be split & awarded to two or more agencies, by counter offering the lowest acceptable amount to the other tenderers in the order of their position considering the higher value to the original lowest as indicated under clause 10 of Notice Inviting Tender.

8. The contractor has to keep a Auto-level instrument for any site levelling.

9. The quoted rate shall be firm throughout the contract period.

10. 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 followingTools & Plants / instruments shall be made available always at site.

a) Levelling instruments or theodolite.

b) Full load mixture machine

c) Petrol / Kerosene driven vibrator

d) Cube moulds

e) Inter carting vehicle (mini door, tractor, hand trolley etc)

11. 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 NITT 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.

12. 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 NITT materials, water required for the work and power etc.

13. The responsibility of clearing the building materials and cleaning the area immediately afterthe completion of work lies with the contractor. The contractor should ensure more care while working at residence and other places of importance.

14. The contractor has to execute any item of work irrespective of the quantity without any reservation.

15. The contractor has to carry out the work without affecting the working environment.

16. 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.

17. 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 workis done without the presence of contractor's representative at the work spot.

18. Contractor's respective Supervisor / Engineer shall have to attend the maintenance office daily before 09.00 Hrs. to collect the complaints and also to hand over the complaints attended the previous day.

19. 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.

20. 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 NITT.

21. 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 NIT for the work done at quarters as per format given by NIT Engineer in-charge.

22. **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.**

23. 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 ofwork spot, the contractor is required to engage certain minimum strength of experienced supervisors for effective supervision of works.

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

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

27. 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 unwantedand unconnected details need not be furnished.

28. 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.

29. 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.

30. Conditional tender, late tenders, tenders containing prima-facie absurd rates, tenders which are in complete 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.

31. 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. TheContractor shall maintain all the statutory registers under the law.

The Contractor shall produce the same on demand to Institute's 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 EPFhaving been deposited do not accompany the bill as a documentary proof, the Institute has theright to hold up a requisite portion/ or whole of bill amount till such proof is produced and furnished, at the discretion of the Institute. 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 PartnershipDeed, 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 Institute is put to any loss or obligation, monetary or otherwise, the Institute will be entitled to get itself reimbursed

out of the bills or the security deposit of the Contractor, to the extent of theloss or obligation in monetary terms.

32. In all matters of dispute, the decision of the Executive Engineer, National Institute ofTechnology, Tiruchirappalli -620 015 shall be final and binding on the tenderer / contractor.

33. 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

34. 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

TERMS AND CONDITIONS REGARDING COMPLIANCE WITH VARIOUS LABOUR LAWS BY THE CONTRACTORS FOR NITT

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

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.

a) The Contract Labour (Regulation & Abolition) Act 1970

b) The Minimum Wages Act 1948 and related Central Rules.

c) The Payment of Wages Act 1936 and related Central Rules.

d) The Employee's Provident Fund & Miscellaneous Provisions Act 1952.

e) The Employees State Insurance Act 1948.

f) The Workmen Compensation Act 1923.

g) The Industrial Disputes Act 1947.

h) 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.

3. 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 NITT Management before taking up the work.

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

WAGES

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

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

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 othercases before **7**th day of the following month.

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.

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.

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.

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 Employer from the consequences dueto any inaccurate or faulty documentation on the part of the Contractor.

POST TECHNICAL AUDIT OF WORK AND BILLS:-

NITT 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 been forced any time even after passing the final bill.

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 in 3 copies to the Engineer by 7th day of each monthfor 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 clause 46. 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.

f) Deviation from the items provided in the contract documents.

g) Extra items / new items of work.

H) 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.

PAYMENT OF BILLS:-

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.**

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 NITT or from his SecurityDeposit or he shall pay the claim on demand.

CANCELLATION OF CONTRACT FOR CORRUPT ACTS:-

NITT, whose decision shall be final and conclusive, shall without prejudice to any other right or remedy which shall have accrued shall accrue thereafter to NITT cancel the contract in any of the following cases and the Contractor shall be liable to make payment to NITT for any loss or damageresulting 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 NITT 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 NITT service,

OR

b) Enter in to a contract with NITT 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 commissionand the terms of payment thereof have previously been disclosed in writing to NITT.

OR

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

CANCELLATION OF CONTRACT FOR INSOLVENCY ASSIGNMENT OF TRANSFER ORSUBLETTING OF CONTRACT:-

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

If the Contractor, 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

(a) 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 appointa receiver or Manager,

OR

(b) Assigns, Transfers, Sub-lets or attempts to assign, transfer or sub-let any portion of thework without the prior written approval of the NITT.

(c) Whenever NITT exercise the authority to cancel the contract under this conditions, NITT 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 tothe NITT and if the cost exceeds the money due to Contractor under the contract, the Contractor shall either pay the excess amount ordered by Estate Maintenance Dept. or the same shall be recovered from the Contractor by other means.

(d) In case the NITT carries-out the work under the provisions of this condition the cost to be considered 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 NITT without additional cost to cover superintendence and establishment charges as may be decided by Estate Maintenance Dept., whose decision shallbe final and conclusive.

CANCELLATION OF CONTRACT IN PART OF FULL FOR CONTRACATOR'S DEFAULT:

(a) If the Contractor 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) If the Contractor fails to comply with any of the Terms and Conditions of the contract or after reasonable notice in writing with orders properly issued thereunder

(c) NITT, may without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to NITT, CANCEL the contract as whole or in part thereof or only such work order or items of work in default from the contract. Whenever NITT exercise the authority to cancel the contract as whole or part under this condition NITT may

complete the work at the contractor's risk and cost (as certified by Engineer in charge, which is final and conclusive) beingless than the contract cost, the advantage shall accrue to the NITT. If the cost exceeds the moneys due to the Contractor under this contract the Contractor shall either pay the excess amount ordered by Estate Maintenance Dept. or the same shall be recovered from theContractor by other means. In case the NITT 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, hirecharges of tools and plant and/or labour provided by the NITT without additional cost to cover the superintendence and establishment charges as may be decided by the Engineer in charge,whose decision shall be final and conclusive.

TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR. :-

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, NITT shall have the option of terminating the contract without compensation to the Contractor.

SPECIAL POWER TO TERMINATION: -

If at any time after the award of contract, NITT 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 thefact 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.

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, thereunder from time to time.

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 CPP Portal web site.

SECTION – II

INFORMATION AND INSTRUCTION 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 documents should be enclosed:

i. Letter of transmittal in the enclosed format.

ii. Solvency certificate from a nationalized/Scheduled bank.

iii. Financial information in **Form - A** (format enclosed).

iv. Performance report in **Form - B** of works (format enclosed).

v. Details regarding the structure of the organization in **Form- C** (format enclosed).

vi. Details of personnel establishment in **Form - D** (format enclosed).

vii. Details of equipment in **Form - E** (format enclosed).

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 entailoutright 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 applicant should sign in each page of the application.

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 applicant may furnish any additional information which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. However, the applicants 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 EE / EMD / NITT

1.7 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) Employer means The Director, NIT, and Tiruchirappalli.

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 andcurrent 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 Director, NIT Tiruchirappalli 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 . Particulars – Provisional

The Particulars of work given in Section – I are provisional. They are liable to change and must be considered as advance information only to assist the applicant.

6. Site Visit

The applicant is advised to visit NITT campus 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 Executive Engineer.

7. Financial Information

The applicant should furnish the annual financial statement for the last 5 years in Form – A.

8. 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 5 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 Work should be separately indicated from client department and that work value alone will be considered for evaluation.

9. 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 employer to seek detailed reference from clients to whom works were carried out.

(f) Number of technical and administrative employees in parent company, subsidiary company and how these would be involved in this work – Form D

10. Tools & Tackles

Applicant should furnish the list of equipment likely to be used / deployed for carrying out the work (in Form E). Details of any other equipment not mentioned in Form E, but available with the applicant and likely to be used in this work like mixture machine, auto levelling instrument and vibrator etc.., may also be indicated.

11. 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.

SECTION – III

SPECIAL CONDITIONS OF CONTRACT

1) Every tenderer is expected to inspect NITT campus 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 EE, EMD, NITT**,** 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 Estate 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 campus / building shall be obtained by the contractor from theconcerned authorities. Only photo passes shall be issued and no group passes shall be issued.

6) 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.

7) 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 otherstatutory and non-statutory benefits/obligations.

8) The contractor should take all measures for environmental protection, such as control of chemical pollution, proper disposal of waste etc., and ensure that there are no adverse effecton the ecology, particularly on flora and fauna of the campus.

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

10) The printed booklets of complaints list with serial number to be maintained by the contractor.

11) Minimum wages as per the Central Government norms shall have to be disposed.

12) Rate per each item is indicated in Rupees. The contractor is required to quote a single and equivalent absolute value against the tender value and fill up the total contract value thatwill decide the lowest competitor. In case of any difference in the quoted value viz. in figures and words, the lower of the two will be taken as the quoted rate.

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

14) If after opening the tender, the tenderer revokes his tender to increase his earlier quotedrate or after acceptance of his tender does not commence the work in accordance with the instruction of EO, ESTATE MAINTENANCE DEPT. the earnest money deposited by him, willbe forfeited and acceptance of his tender withdrawn.

Nature / Scope of Work/ Frequency of Operation:

a) The scope of work is well defined in the bill of quantities under financial bid where the agency is required to quote each item as mentioned in the price bid document.

b) The scope shall cover any other service / work that might arise depending upon contingency

Working Conditions:

1. The contract is normally required to be carried out on all days except Sundays & declaredholidays. However, if situation warrants, has to carry out works on holidays also.

2. The labourers put in work must be provided with identity card to distinguish them from other staff.

3. The payment will be made after deducting Income Tax, Labour Welfare Cess etc.

Statutory Requirement:

a) 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 institute 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 Institute property

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

g) The movement of workers should be restricted to their area of work and should not wander into other areas.

Additional Conditions:

1) The contractor should execute an agreement in the non – judicial stamp, incorporating the various terms and conditions.

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

3) The contractor shall recoup NITT the cost of the damage incurred by the contractor on account of any breach of the terms and conditions of the agreement.

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

5) 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.

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

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

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

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

10) 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 theforms, 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.

11) 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 NITT and pay compensation for any injury, loss or damageoccurred to any property or rights whatever including property and rights of NITT employees.

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

13) In case NITT 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 NITT together with the cost incurred by NITT on any

legal proceedings pertaining thereto.

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

15) 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 pf 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 previouscontracts.

16) The contractor shall at all times indemnify and keep indemnified the principle 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.

17) Evaluation of the bidders will be done based on lowest percentage in Price Bid Format. The contract would be awarded to the lowest bidder. In the event of more than one bidder having quoted identical lowest rate and there is a tie amongst the bidders, the respective bidders who having higher turnover will be allotted the work.

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 Institute. The Institute shall not be responsible for these payments or any other liability on this account. The Contractor shall also indemnify and compensate the Institute for any liability incurred by the Institute, if any, including costs incurred thereon. In that event the nominated officer of the Institute shall be entitled to recover the amount so paid, from the contractor, including forfeiture of the Security Deposit andif the sum so payable and the Security Deposit is less than Institute's claim, it shall be lawful forthe Institute to recover the balance amount as a debt from the Contractor.

The Contractor shall indemnify and compensate the Institute, if the Institute 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 applicablein toto.

LEAVE / HOLIDAYS: For every workforce deployed in NITT premises, the contractor will give one day's weekly off for every six continuous working days.

SPECIFIC CONDITIONS

1. No night work will be permitted without the written permission of the Engineer – in – charge.

2. Permission for erection of temporary work sheds etc., at site will have to be obtained fromNITT in writing in advance.

3. The works contract to be entered into with the successful tenderer will be governed by theCPWD works Manual 2014 or the latest in force.

4. The successful tenderer / Contractor shall observe all safety regulations and take necessary safety precaution as called for and Safety Precautions enclosed herewith.

5. In all matters of dispute, the decision of the Estate Officer, National Institute of Technology,Trichy -620 015. Shall be final and binding on the tenderer / contractor.

6. 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.

7. 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 NITT 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 soas 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 atsites.

1. Providing the working platform with toe board and handrail for continuous working atheights.
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 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 conform 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 TRANSPORTINGMATERIALS

I. VEHICLE

1. Vehicles carrying material should have proper registration documents and must be produced ondemand 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.

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 15

Web: www.nitt.edu **Phone: 0431 –250 3830**

PRICE BID

Name of work	**Annual Maintenance Contract for Civil Works at NIT-Trichy.**
Value of work	**Rs. 2,50,00,000/- (Plus GST Extra Applicable)**
Tender Enquiry No.	**NITT/EMD/AMC/CVL/ Tender/2025-26/03 Dt: 22.04.2025**
Period of Contract	**12 Months (may be extended for an additional one year or part thereof subject to performance and at sole discretion of NIT Trichy).**

SCHEDULE 'A'

LIST OF WORKS AND PRICES

NAME OF WORK:

DETAILS & QUANTITIES of each item of work shown in the BILL OF QUANTITIES are only approximate. They are given as a guide for the purpose of tendering only and are liable to variationand alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the corresponding rate quoted by the contractor in the BILL OF QUANTITIES

Sl.No.	Description of work / supplied	Total amount of work (in figures and words)Rs. Ps.	Period of contract
1.	**Annual Maintenance Contract for Civil Works at NIT-Trichy.**	**Rs.2,50,00,000/- (Rupees Two Crore Fifty Lakh only).**	**12 Months** (may be extended for an additional one year or part thereof subject to performance and at sole discretion of NIT Trichy).

SCHEDULE -A				
SCHEDULE OF QUANTITIES				
ITEM No	**DSR. No**	**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 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	2.1.1	All kinds of soil	Sqm	119.92
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 sqm 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	Cum	460.76
2.B	2.7.2	Hard rock (requiring blasting)	Cum	807.55
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 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	2.8.1	All kinds of soil.	Cum	240.40
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 excavated soil 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	199.11
4.1.B	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	Metre	325.23
4.1.C	2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	Metre	507.72
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	372.47

5.1.B	2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	Metre	922.31
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	557.09
5.2.B	2.13.2.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	Metre	1379.41
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.	Cum	181.01
7	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	1961.39
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	Sqm	31.54
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.	Sqm	16.25
10	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	8.27
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.	Cum	284.64
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).	Cum	7703.20
12.B	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	Cum	7276.20
12.C	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	Cum	6020.27
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.	Sqm	692.01

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).	Cum	8354.23
14.B	5.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	7927.21
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).	Cum	10023.26
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).	Cum	10625.93
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	Sqm	362.17
17.B	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm	778.10
17.C	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	856.36
17.D	5.9.4	Shelves (Cast in situ)	Sqm	856.36
17.E	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	680.11
17.F	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	887.81
17.G	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	706.47
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).	Cum	18799.64

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	Sqm	1742.65
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	99.60
20.B	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	99.60
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	99.60
21.B	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	Kg	99.60
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	8778.13
22.B	5.33.2	All works above plinth level upto floor V level	Cum	9106.60
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	4900.04

23.B	5.45.2	Wall Joint of 150 mm gap	Metre	5524.13
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	5528.11
24.B	5.46.2	Roof Joint of 150 mm gap	Metre	6187.66
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	6587.00
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	8409.82
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)	Sqm	835.86
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)	Sqm	1037.89

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	6752.32
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 sqm	Sqm	4999.65
30.1.B	8.2.2.2	Area of slab over 0.50 sqm	Sqm	4743.64
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	471.89
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	Sqm	3742.10
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	Sqm	1320.86
33.B	8.26.2	18 mm thick	Sqm	1378.68
33.C	8.26.3	25 mm thick	Sqm	1828.18
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	Sqm	1797.47

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 sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	1171.02
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	132021.48
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	96746.09
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	Sqm	3797.60
38.1.B	9.5.1.2	30 mm thick shutters	Sqm	3460.82
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	Sqm	3069.15
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	Sqm	1921.95
39.2.B	9.7.5.4	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked	Sqm	1896.46
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	Sqm	4562.53
40.1.B	9.9.1.2	30 mm thick	Sqm	4177.60
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	Sqm	4066.26
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	Sqm	4195.61
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	Sqm	3872.68
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	Sqm	741.56
42.B	9.17.2	18 mm thick	Sqm	942.91
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	Sqm	1150.52
43.B	9.18.2	25 mm thick	Sqm	1584.07
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	Sqm	3208.28
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	Sqm	2209.74
45.B	9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	Sqm	1933.65
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).	Sqm	427.00

47	9.24	Extra for providing vision panel not exceeding 0.1 sqm 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	Sqm	183.93
48	9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	Sqm	98.54
49	9.45	Providing and fixing teak wood lipping of size 25x3 mm in pelmet.	Metre	68.06
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	363.18
50.B	9.46.3	25 mm dia	Metre	485.37
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	161.63
51.B	9.47.2	25 mm dia (heavy type)	Metre	172.16
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	220.12
53	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Each	211.36
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	789.31
55	9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.	Each	68.58
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	1038.86
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	308.43
58	9.91	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	Each	139.51
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	138.62
59.B	9.95.2	125x63x4 mm	Each	116.97
59.C	9.95.3	100x75x4 mm	Each	106.58
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	280.07
60.B	9.96.2	250x16 mm	Each	240.68
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	120.15
61.B	9.97.2	250x10 mm	Each	106.34
61.C	9.97.3	200x10 mm	Each	92.08
61.D	9.97.4	150x10 mm	Each	76.24
61.E	9.97.5	100x10 mm	Each	59.75
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	61.19
62.B	9.100.2	100 mm	Each	54.99
62.C	9.100.3	75 mm	Each	47.79
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	36.57
63.B	9.101.2	Twin rubber stopper	Each	66.82
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	802.52
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	785.06
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	48.48

66.B	9.114.2	Double strip (horizontal type)	Each	36.67
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's specification and direction of Engineer- in-Charge.	Metre	455.03
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	Sqm	2939.62
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	Sqm	2130.96

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	Sqm	1780.15
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	108.38
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	123.48
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	Sqm	5360.62
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	Sqm	3373.92
75	10.7	Providing and fixing ball bearing for rolling shutters.	Each	454.71
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	179.54
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	208.72
78	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	89.77

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	114.15
79.B	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	159.41
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	713.35
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)	Sqm	891.73
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	Sqm	567.25
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	Sqm	1799.31
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/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	1012.73

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/sqm including grouting the joints with white cement and matching pigments etc., complete.		
85.A	11.41.2	Size of Tile 600x600 mm	Sqm	1434.69
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/sqm including grouting the joint with white cement & matching pigments etc. complete.		
86.A	11.46.2	Size of Tile 600x600 mm	Sqm	1498.97
86.B	11.46.4	Size of Tile 1000x1000 mm	Sqm	1997.27
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	Sqm	1749.12
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	Sqm	4138.71
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 cum 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	Sqm	969.91
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.	Sqm	655.49
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	275.45
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	229.78
92.B	12.41.2	110 mm diameter	Metre	348.54
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	84.69
93.1.B	12.42.1.2	110 mm	Each	125.74
93.2	12.42.3	Single tee with door		
93.2.A	12.42.3.1	75x75x75 mm	Each	151.65
93.2.B	12.42.3.2	110x110x110 mm	Each	216.25
93.3	12.42.4	Single tee without door		
93.3.A	12.42.4.1	75x75x75 mm	Each	133.27
93.3.B	12.42.4.2	110x110x110 mm	Each	204.43
93.4	12.42.5	Bend 87.5°		
93.4.A	12.42.5.1	75 mm bend	Each	97.81
93.4.B	12.42.5.2	110 mm bend	Each	138.86
93.5	12.42.6	Shoe (Plain)		
93.5.A	12.42.6.1	75 mm Shoe	Each	85.98
93.5.B	12.42.6.2	110 mm Shoe	Each	121.77
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	341.58
94.B	12.43.2	110 mm	Each	342.91

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/sqm (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	Sqm	1252.15
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	Sqm	1610.82

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 sqm 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.	Sqm	682.18
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 sqm 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	491.66
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/ sqm,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/sqm(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 thickness60 microns (minimum), including factory painted afterbending and perforation and backed with a black Glass fiberacoustical fleece.	Sqm	1910.60
99	13.1	12 mm cement plaster of mix :		
99.A	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	320.52
99.B	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	307.87
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)	Sqm	353.72
101	13.3	20 mm cement plaster of mix :		
101.A	13.3.2	1:6 (1 cement: 6 fine sand)	Sqm	415.60
102	13.16	6 mm cement plaster of mix :		
102.A	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	277.48
103	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	242.61
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	Sqm	355.94
105	13.37	White washing with lime to give an even shade :		
105.A	13.37.1	New work (three or more coats)	Sqm	36.06
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	Sqm	171.46
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 sqm)	Sqm	107.97
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 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	148.32
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 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	158.02
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	Sqm	68.95
110.B	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	62.25
110.C	13.50.4	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	Sqm	33.34
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	Sqm	217.17
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	Sqm	143.99
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	Sqm	135.58
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	Sqm	129.53
115	13.68	French spirit polishing :		
115.A	13.68.1	Two or more coats on new works including a coat of wood filler	Sqm	412.14
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)	Sqm	57.90
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	Sqm	84.96
117.B	13.82.2	Two coats	Sqm	126.94
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	Sqm	64.97
118.B	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	68.30
119	13.87	White washing with lime to give an even shade :		
119.A	13.87.1	Old work (two or more coats)	Sqm	21.10

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	Sqm	18.24
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.	Sqm	23.23
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	Sqm	94.94
123	13.103	French spirit polishing :		
123.A	13.103.1	One or more coats on old work	Sqm	207.61
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 sqm) over priming coat of primer applied @ 0.80 litrs/10 sqm complete including cost of Priming coat.	Sqm	104.27
124.B	13.109.2	Old work (one or more coats @ 2.20 kg/10 sqm) complete.	Sqm	70.00
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	Sqm	88.66
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 sqm) on existing cement paint surface.	Sqm	111.52
126.B	13.111.2	Old work (One or more coat applied @ 0.90 ltr/10 sqm).	Sqm	74.48
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)	Sqm	505.56
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	1646.28
128.B	14.2.2	Window chowkhats	Each	1039.14

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	200.50
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	Sqm	1167.69
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	Sqm	1007.27
132	14.6	Renewing glass panes, with wooden fillets wherever necessary:		
132.A	14.6.1	Float glass panes of thickness 4 mm	Sqm	1460.04
133	14.7	Renewing glass panes and refixing existing wooden fillets:		
133.A	14.7.1	Float glass panes of thickness 4 mm	Sqm	1133.47
133.B	14.7.2	Float glass panes of thickness 5.5 mm	Sqm	1434.05
134	14.9	Renewal of old putty of glass panes (length)	Metre	51.86
135	14.10	Refixing old glass panes with putty and nails	Sqm	674.05
136	14.11	Fixing old glass panes with wooden fillets (excluding cost of fillets)	Sqm	627.65
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.	Sqm	66.91
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	Sqm	127.18

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.	Sqm	179.29
140	14.90	Providing and laying APP (Atactic Polypropylene Polymer) modifiedprefabricated 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/sqm 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	Sqm	496.36
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)	Cum	1388.65
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.	Cum	3279.76
143	15.7	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	15.7.4	In cement mortar	Cum	1902.70
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	Cum	2270.97
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	339.12
145.B	15.12.2	Of area beyond 3 sq. metres	Each	464.32
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	132.53
146.B	15.13.2	Of area beyond 3 sq. metres	Each	174.46
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	Cum	4118.21
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	5.22
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	Sqm	67.79
149.B	15.23.2	For thickness of tiles above 25 mm and up to 40 mm	Sqm	104.69
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.	Sqm	246.08
151	15.26	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	97.29
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	Sqm	71.39
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	Sqm	71.80
153.B	15.39.3	Thickness above 25 mm up to 40 mm	Sqm	83.44
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	Sqm	267.19

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.	Sqm	52.05
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	69.91
156.B	15.42.2	100 mm dia pipe	Metre	72.04
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	138.35
157.B	15.44.2	Above 40 mm nominal bore	Metre	149.06
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	306.99
158.B	15.45.2	Above 150 mm dia up to 300 mm dia	Metre	421.74
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 metres lead.	Each	103.49
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.	Sqm	50.47
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 meters lead as directed by Engineer-in-charge.	Sqm	52.05
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.	Cum	243.77
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.	Sqm	202.16
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).	Cum	22.95
165	16.3	Supplying and stacking at site.		

165.A	16.3.2	63 mm to 45 mm size stone aggregate	Cum	1510.98
165.B	16.3.8	Red bajri	Cum	1445.27
165.C	16.3.9	Good earth	Cum	716.22
165.D	16.3.10	Moorum	Cum	709.52
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 .	Cum	966.91
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	Sqm	22.58
168	16.11	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete.	Sqm	815.64
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	Cum	4647.54
169.B	16.13.2	Water bound macadam	Cum	2842.74
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).	Cum	30376.73
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	12.92

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	20.41
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	116.13
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/sqm	Sqm	12.42
174.1.B	16.31.1.2	On bituminous surface @ 0.25kg/sqm	Sqm	8.50
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/sqm	Sqm	19.58
174.2.B	16.31.2.2	On bituminous surface @ 0.25kg/sqm	Sqm	12.98
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 cum per 10 sqm key aggregate of size 12.5 mm graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG - 10 @ 50 kg/ 10 sqm.	Sqm	467.00
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 sqm key aggregate of size 20.0 mm graded @ 0.18 cum per 10 sqm. With paving asphalt grade VG - 10 @ 68 kg/10 sqm.	Sqm	687.27

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.	Sqm	897.69
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).	Cum	9344.13
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	Sqm	939.99
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	Sqm	985.52
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.	Sqm	1061.39
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	36.34
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.	Sqm	121.68
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).	Sqm	372.14

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	101.08
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	6250.05
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	6017.45
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	11148.89
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	1735.54
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	1554.66

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	6414.62
189.2	17.10.2	Kitchen sink without drain board		
189.2.A	17.10.2.1	610x510 mm bowl depth 200 mm	Each	4563.08
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	6082.33
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	1809.98
192	17.15	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	Each	2572.05
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	1099.63
193.B	17.18.2	10 litre capacity - coloured	Each	1049.71
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	632.50
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	1522.89
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	95.96
196.1.B	17.28.1.2	40 mm dia	Each	107.78
196.2	17.28.2	Flexible pipe		
196.2.A	17.28.2.1	32 mm dia	Each	110.41
196.2.B	17.28.2.2	40 mm dia	Each	110.41
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	1485.03
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	1257.69

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	1000.66
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	106.49
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	155.48
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	214.22
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	654.75
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	658.67
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	99.01
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	161.99
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	13852.50
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 1.00 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.A	18.7.1	15 mm nominal outer dia Pipes	Metre	264.88
208.B	18.7.2	20 mm nominal outer dia Pipes	Metre	309.39
208.C	18.7.3	25 mm nominal outer dia Pipes	Metre	370.85
208.D	18.7.4	32 mm nominal outer dia Pipes	Metre	479.09
208.E	18.7.5	40 mm nominal outer dia Pipes	Metre	649.21
208.F	18.7.6	50 mm nominal outer dia Pipes	Metre	862.74
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 1.00 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.A	18.8.1	15 mm nominal outer dia Pipes	Metre	459.75
209.B	18.8.2	20 mm nominal outer dia Pipes	Metre	496.50
209.C	18.8.3	25 mm nominal outer dia Pipes	Metre	579.30
209.D	18.8.4	32 mm nominal outer dia Pipes	Metre	682.79
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	253.33
210.B	18.9.3	25 mm nominal outer dia Pipes	Metre	328.23
210.C	18.9.4	32 mm nominal outer dia Pipes	Metre	405.07
210.D	18.9.5	40 mm nominal outer dia Pipes	Metre	520.00
210.E	18.9.6	50 mm nominal outer dia Pipes	Metre	733.53
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	403.87
211.B	18.10.3	25 mm dia nominal bore	Metre	509.52
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	340.42
212.B	18.12.3	25 mm dia nominal bore	Metre	432.00
212.C	18.12.4	32 mm dia nominal bore	Metre	498.99
212.D	18.12.5	40 mm dia nominal bore	Metre	569.88
212.E	18.12.6	50 mm dia nominal bore	Metre	703.89
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	842.18
213.B	18.13.2	50 to 80 mm nominal bore	Each	1648.86

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	574.82
214.B	18.17.2	32 mm nominal bore.	Each	636.88
214.C	18.17.3	40 mm nominal bore	Each	762.94
214.D	18.17.4	50 mm nominal bore	Each	948.17
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	375.75
215.B	18.18.2	20 mm nominal bore	Each	427.15
215.C	18.18.3	25 mm nominal bore	Each	428.58
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	546.19
216.2	18.19.2	32 mm nominal bore		
216.2.A	18.19.2.1	Horizontal	Each	731.36
216.3	18.19.3	40 mm nominal bore		
216.3.A	18.19.3.2	Vertical	Each	1047.95
216.4	18.19.4	50 mm nominal bore		
216.4.A	8.19.4.2	Vertical	Each	1334.67
216.5	18.19.5	65 mm nominal bore		
216.5.A	18.19.5.2	Vertical	Each	2116.36
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	304.12
217.B	18.20.2	20 mm nominal bore	Each	350.95
217.C	18.20.3	25 mm nominal bore	Each	449.59
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	78.50
218.1.B	18.21.1.2	20 mm nominal bore	Each	86.40
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	179.12
219.B	18.22.2	150 mm diameter	Each	205.35
220	18.23	Laying in position centrifugally cast (spun) iron S&S or flanged pipes (excluding cost of pipe).	quintal	334.01
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	611.25
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	5866.77
222.B	18.25.2	Over 300 mm dia	quintal	5866.77
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	8231.75
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	306.62
224.B	18.30.5	200 mm diameter pipe	Each	395.88
224.C	18.30.7	300 mm diameter pipe	Each	553.67
224.D	18.30.8	350 mm diameter pipe	Each	704.58
224.E	18.30.9	400 mm diameter pipe	Each	985.24
224.F	18.30.10	450 mm diameter pipe	Each	1205.79
224.G	18.30.11	500 mm diameter pipe	Each	1327.88
224.H	18.30.12	600 mm diameter pipe	Each	1573.82
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	4424.92
225.1.B	18.31.1.2	Class II	Each	4604.69
225.2	18.31.2	125 mm diameter		
225.2.A	18.31.2.1	Class I	Each	4766.27
225.2.B	18.31.2.2	Class II	Each	5488.67
225.3	18.31.3	150 mm diameter		
225.3.A	18.31.3.1	Class I	Each	6433.97
225.3.B	18.31.3.2	Class II	Each	6753.39
225.4	18.31.4	200 mm diameter		
225.4.A	18.31.4.1	Class I	Each	12518.48
225.4.B	18.31.4.2	Class II	Each	13505.05
225.5	18.31.5	250 mm diameter		
225.5.A	18.31.5.1	Class I	Each	18070.73
225.5.B	18.31.5.2	Class II	Each	22741.08
225.6	18.31.6	300 mm diameter		
225.6.A	18.31.6.1	Class I	Each	24990.67
225.6.B	18.31.6.2	Class II	Each	27894.04
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	1840.27

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	10032.00
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	17452.09
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	17.92
229.B	18.38.2	20 mm diameter pipe	Metre	21.47
229.C	18.38.3	25 mm diameter pipe	Metre	27.93
229.D	18.38.4	32 mm diameter pipe	Metre	33.57
229.E	18.38.5	40 mm diameter pipe	Metre	39.39
229.F	18.38.6	50 mm diameter pipe	Metre	47.10
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	8.77
230.B	18.39.2	20 mm diameter pipe	Metre	10.44
230.C	18.39.3	25 mm diameter pipe	Metre	13.29
230.D	18.39.4	32 mm diameter pipe	Metre	15.93
230.E	18.39.5	40 mm diameter pipe	Metre	18.47
230.F	18.39.6	50 mm diameter pipe	Metre	22.03
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	11.13
231.B	18.40.2	20 mm diameter pipe	Metre	13.35

231.C	18.40.3	25 mm diameter pipe	Metre	16.95
231.D	18.40.4	32 mm diameter pipe	Metre	20.51
231.E	18.40.5	40 mm diameter pipe	Metre	23.32
231.F	18.40.6	50 mm diameter pipe	Metre	28.17
231.G	18.40.7	65 mm diameter pipe	Metre	34.96
231.H	18.40.8	80 mm diameter pipe	Metre	40.63
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	320.29
232.B	18.46.3	25 mm nominal bore	Each	405.68
232.C	18.46.4	32 mm nominal bore	Each	451.66
232.D	18.46.5	40 mm nominal bore	Each	583.04
232.E	18.46.6	50 mm nominal bore	Each	760.83
232.F	18.46.7	65 mm nominal bore	Each	1049.90
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	792.27
233.B	18.47.3	25 mm nominal bore	Each	877.70
233.C	18.47.4	32 mm nominal bore	Each	923.69
233.D	18.47.5	40 mm nominal bore	Each	1055.06
233.E	18.47.6	50 mm nominal bore	Each	1404.54
233.F	18.47.7	65 mm nominal bore	Each	1693.56
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	10.16
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	468.06
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	757.96
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	737.87
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	619.19
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	530.40

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	116.00
240.B	18.54.2	15 mm nominal bore, 122mm long, weighing not less than 99 gms	Each	148.88
240.C	18.54.3	15 mm nominal bore, 165 mm long, weighing not less than 110 gms	Each	163.33
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	109.45
241.B	18.55.3	Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less than 108 gms	Each	201.43
242	18.56	Providing and fixing PTMT pillar cock of approved quality and colour		
242.A	18.56.1	15 mm nominal bore, 107 mm long, weighing not less than 110 gms	Each	192.52
242.B	18.56.2	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	Each	206.96
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	34.72
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	5309.32
244.B	18.59.2	80 mm dia	Each	6458.95
244.C	18.59.3	100 mm dia	Each	8213.15
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	3350.32
245.B	18.60.2	100 mm dia nominal bore	Each	5050.30
245.C	18.60.3	150 mm dia nominal bore	Each	7765.97
245.D	18.60.4	200 mm dia nominal bore	Each	8351.96
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	4270.04
246.B	18.61.2	100 mm dia	Each	6889.70
246.C	18.61.3	150 mm dia	Each	8711.95
246.D	18.61.4	200 mm dia	Each	11938.85
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	15 mm nominal bore, 105 mm long, weighing not less than 138 gms	Each	168.18
247.B	18.62.2	20 mm nominal bore, 120 mm long, weighing not less than 198 gms	Each	237.91
247.C	18.62.3	25 mm nominal bore, 152 mm long, weighing not less than 440 gms	Each	483.76
247.D	18.62.4	40 mm nominal bore, 206 mm long, weighing not less than 690 gms	Each	680.85
247.E	18.62.5	50 mm nominal bore, 242 mm long, weighing not less than 1240 gms	Each	1270.76
248	18.63	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	Each	144.91
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	102.93
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	7968.96
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	12712.09
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	4613.93
252.B	18.71.5	300 mm dia C.I. Double Flanged Pipe	Metre	7475.51
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	88.98
253.B	18.74.2	15 mm nominal bore with 45 cm length	Each	112.58
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	49.50
254.B	18.75.2	20 mm nominal bore, weighing not less than 40 gms	Each	86.31
254.C	18.75.3	25 mm nominal bore, weighing not less than 62 gms	Each	104.69
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	417.45
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	307.08

256.B	18.82.5	200 mm diameter C.I. pipe	Metre	380.04
256.C	18.82.7	300 mm diameter C.I. pipe	Metre	459.75
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	8130.67
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	2500.66
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	90.92
259.B	19.5.4	250 mm diameter	Metre	102.51
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	831.02
260.B	19.6.4	300 mm dia. R.C.C. pipe	Metre	918.29
260.C	19.6.5	450 mm dia. R.C.C. pipe	Metre	1497.04
260.D	19.6.7	600 mm dia. R.C.C. pipe	Metre	2071.90
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	11794.27
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	8150.71

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	1327.75
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	2992.73
264.B	19.23.2	For 150 mm dia sand cast iron drop connection	Metre	3811.40
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	2346.60
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	2424.79
266.B	19.26.2	Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10	Each	3849.41
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	457.21
267.1.B	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	490.31
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	552.84
267.2.B	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	585.95
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	Sqm	1052.21
268.B	21.2.2	Pre-laminated particle board with decorative lamination on both sides	Sqm	1030.13
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	Sqm	1086.84
269.B	21.3.2	With float glass panes of 5.50 mm thickness	Sqm	1390.18
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	2607.98
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	488.42
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	589.55

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).	Sqm	4918.75
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/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	569.88
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/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) 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/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for		

		a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge :		
275.A	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	Sqm	1555.81
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	Sqm	117.06
277		Supply of Manpower for special works for which material will be supplied by Department.		
277.A	111	Carpentry	Each	724.07
277.B	122	Mason	Each	724.07
277.C	116	Fitter/Plumber	Each	724.07
277.D	115	Belder/Coolie	Each	595.69

NITT Already Approved Items

278	287	Attending general carpentry works/faulty works (Minor) to all doors, windows & ventilators etc complete.	Each	88.00
279	288	Attending general Masonry and other works/faulty works (Minor) to all locations etc complete.	Each	88.00
280	289	Attending general Plumbing and other works/faulty works (Minor) to all locations etc complete.	Each	88.00
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	192.50
281.B	B	2. 1" PVC 15 Kg Finolex/ astral/ kundan or equivalent	Rm	209.00
281.C	C	3. 1 ¼" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	228.80
281.D	D	4. 1 ½" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	264.00
281.E	E	5. 2" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	273.90
281.F	F	6. 2 ½" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	325.60
281.G	G	7. 3" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	470.80
281.H	H	8. 4" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	708.40
281.I	I	9. 6" PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	1100.00

281.J	J	10. 8” PVC 6 Kg Finolex/ astral/ kundan or equivalent	Rm	1430.00
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	413.60
282.B	B	2. 1” GI IS Specs	Rm	509.30
282.C	C	3. 1 ¼” GI IS Specs	Rm	605.00
282.D	D	4. 1 ½” GI IS Specs	Rm	691.90
282.E	E	5. 2” GI IS Specs	Rm	876.70
282.F	F	6. 2 ½” GI IS Specs	Rm	1100.00
282.G	G	7. 3” GI IS Specs	Rm	1430.00
282.H	H	8. 4” GI IS Specs	Rm	1732.50
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	937.20
283.B	B	2. 150mm dia C.I. Pipes	Each	1934.90
283.C	C	3. 200mm dia C.I. Pipes	Each	2699.40
283.D	D	4. 300mm dia C.I. Pipes	Each	4722.30
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	253.00
284.B	B	2. 1" PVC 15 Kg Finolex/ astral/ kundan or equivalent	Each	284.63
284.C	C	3. 1 1/2" PVC 15 Kg Finolex/ astral/ kundan or equivalent	Each	316.25
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.	Sqm	1442.10
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.	Sqm	715.00

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	Sqm	736.74
288	297	Providing & Fixing double side cuddapah slab to shelves etc., complete 25mm thick	Sqm	828.84
289	298	PTMT Health faucet	Each	472.14
290	299	PVC Flush tank inner set	Each	429.91
291	300	4" PVC Shower rose with Arm for Kitchen sink	Each	289.17
292	301	1 1/4" SS Waste coupling for Wash basin/Urinal	Each	197.15
293	302	4" SS Sink waste coupling	Each	305.42
294	303	15mm Two way PTMT Tap	Each	429.91
295	304	15mm Three Way CP Lab tap	Each	3548.00
296	305	PVC Water tank cover	Each	500.29
297	306	Supply and fixing of 18mm thick Green plywood (water proof)	Sqm	2476.10
298	307	Supply and fixing of 1mm SGL Mica sheet	Sqm	1608.20
299	308	Providing and fixing of 50mm thick foam for inside the panel area	Sqm	1428.90
300	309	Providing and fixing of decorative 3 M frosted sticker on toughened glass	Sqm	1837.32
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 sqm 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. Precoated galvanised iron profile sheets will be supplied by NITT from EMD Stores	Sqm	252.01
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 EMD Stores)	Kg	54.34

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.	Sqm	1800.00
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	3600.00

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	257.40
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	209.00
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	217.80
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	198.00
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	111.10
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	306.90

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	161.70
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) 75 mm dia PVC Door elbow (Finolex or equivalent make)	Each	187.00
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	200.20
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.	Sqm	224.40
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	168.30
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	825.00
317	50.47	Providing and fixing PVC cowl to the PVC pipes etc complete as per the direction of Engineer-in-charge.		0.00
318	50.47.1	75 mm Cowl	Each	242.00
319	50.47.2	110 mm Cowl	Each	302.50
320	50.49	Cutting holes upto 30x30 cm in walls including making good the same : with F.P.S. bricks.	Each	242.00
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.	Sqm	418.00
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	316.80

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	145.20
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	193.60
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	290.40
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	242.00
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	86.90
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	107.80
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	154.00
330	50.104	Providing and fixing of 18mm thick non decorative plywood (water proof) resting on the walls etc complete.	Sqm	1881.00
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	121.00

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	164.45
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	223.30
334	50.122	Providing & Fixing of Cuddapah slab sink of size 600mm x 450mm etc complete.	Each	1210.00
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.	Sqm	971.30
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)	Sqm	1096.70
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	220.00
338	50.130	Providing and fixing MS handle to existing window with necessary grinding & welding as per the direction of Engineer-in-charge.	Each	209.00
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	231.00
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.	Sqm	330.00
341	50.146	Providing & Fixing ornamental 3 way bib cock etc complete.	Each	2530.00
342	50.162	Suoolying and fixing sun control film for glazed windows,door,Aluminum partition & ventilator shutter including the cost of all materials and labour charges etc.	Sqm	660.00
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.	Sqm	18.34
344	50.185	Providing & fixing 4" Hanjee hook etc complete.	Each	33.00
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.	Sqm	104.50
346	50.187	Providing & fixing circular PVC floor trap to pvc pipe etc complete.	Each	385.00
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	440.00

348	50.194	Dismantling the exisiting water closet without damaging the existing sewer line etc complete.	Each	220.00
349	50.195	Providing & Fixing PTMT shower rose etc complete.	Each	315.70
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	3448.50
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	2626.80
352	50.210	Providing and fixing brass door stopper etc complete	Each	385.00
353	50.212	Providing & Fixing CP brass health facuet with cp brass two way tap etc complete.	Each	1760.00
354	50.213	Providing & fixing PVC sheet to existing door top surface etc complete.	Sqm	495.00
355	50.217	Providing and fixing 25 mm dia UPVC half turn value to the pipe line etc complete.	Each	220.00
356	50.238	Providing & Fixing Granite sink of size 600mmx600mm with rest of 50x506mm MS angle etc complete.	Each	7150.00
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	2310.00
358	50.268	Providing and fixing oval type wash basin of size 550mm etc complete	Each	3245.00
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	495.00
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	605.00
361	50.276	Supply of CICO NO3 chemical solutionsfor attending water supply pipe line burst.	kg	80.00
362	50.277	Supply of spaniyarm for attending water supply pipe line burst.	kg	240.00
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	350.00
358	129	Hire charges for JCB including diesel driver beta, etc., Complete as per the direction of Engineer in-charge.	Hour	1628.00

359	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.	Cum	9372.32
360	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
361	537	Providing and fixing oxidisedM.Shandlse with necessary screws etc.complete.		
361.A	A	100 mm size	Each	33.23
361.B	B	125 mm size	Each	38.41
362	1001	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 intructions of Engineer-in -charge.		
362.A	A14	IWC with 'P' trap & foot rests	Set	355.50
362.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
362.C	A16	Flushing cistern of any size	Each	403.23
362.D	A22	A.C sheets from roofs and side cladding including ridges , valleys , gutters etc.	Sqm	33.89
363	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)		
363.A	A	PVC Pipe 18/20 mm OD (10 kg/Sq.cm)	Rm	93.09
363.B	B	PVC Pipe 25 mm OD (10 kg/Sq.cm)	Rm	118.47
363.C	C	PVC Pipe 32 mm OD (10 kg/Sq.cm)	Rm	142.23
363.D	D	PVC Pipe 40 mm OD (6 kg/Sq.cm)	Rm	177.08
363.E	E	PVC Pipe 50 mm OD (6 kg/Sq.cm)	Rm	232.06
364	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.		
364.A	A	PVC Pipe 18/20 mm OD (10 kg/Sq.cm)	Rm	34.56
364.B	B	PVC Pipe 25 mm OD (10 kg/Sq.cm)	Rm	47.88
364.C	C	PVC Pipe 32 mm OD (10 kg/Sq.cm)	Rm	68.45
364.D	D	PVC Pipe 40 mm OD (6 kg/Sq.cm)	Rm	75.63
364.E	E	PVC Pipe 50 mm OD (6 kg/Sq.cm)	Rm	107.08

364.F	F	PVC Pipe 63 mm OD (6 kg/Sq.cm)	Rm	160.58
364.G	G	PVC Pipe 75 mm OD (6 kg/Sq.cm)	Rm	223.04
364.H	H	PVC Pipe 90 mm OD (6 kg/Sq.cm)	Rm	312.95
364.I	I	PVC Pipe 110 mm OD (6 kg/Sq.cm)	Rm	436.08
364.J	J	PVC Pipe 140 mm OD (6 kg/Sq.cm)	Rm	687.16
364.K	K	PVC Pipe 160 mm OD (6 kg/Sq.cm)	Rm	880.16
364.L	L	PVC Pipe 180 mm OD (6 kg/Sq.cm)	Rm	1146.04
364.M	M	PVC Pipe 200 mm OD (6 kg/Sq.cm)	Rm	1394.01
365	1106	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	A	PVC Pipe 75 mm OD	Rm	189.51
365.B	B	PVC Pipe 110 mm OD	Rm	333.74
365.C	C	PVC Pipe 160 mm OD	Rm	539.98
366	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.		
366.A	A	75 x75 x 75 mm single tee with door.	Each	199.06
366.B	B	110 x 110 x 110 mm single tee with door.	Each	292.89
366.C	C	160 x 160 x 160 mm single tee with door.	Each	496.02
366.D	D	75 x75 x 75 mm single tee without door.	Each	176.27
366.E	E	110 x110 x 110 mm single tee without door.	Each	258.70
366.F	F	160 x160 x 160 mm single tee without door. EACH	Each	427.50
366.G	G	75 mm shoe	Each	101.53
366.H	H	110 mm shoe	Each	150.52
366.I	I	160 mm shoe	Each	258.85
366.J	J	75 mm bend	Each	121.21
366.K	K	110 mm bend	Each	222.37
366.L	L	160 mm bend	Each	283.42
367	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)		
367.A	A	15 to 25 mm nominal bore	Each	624.12
367.B	B	32 mm nominal bore	Each	807.12
367.C	C	40 mm nominal bore	Each	1054.94
367.D	D	50 mm nominal bore	Each	1424.80
367.E	E	80 mm nominal bore	Each	4040.77
367.F	F	100 mm nominal bore	Each	7358.56
368	1109	Providing and fixing in position C.P brass bib cock / stop cock (Medium Duty) of approved brand (ISI marked)		
368.A	A	15 mm nominal bore.	Each	307.17
368.B	B	20 mm nomial bore.	Each	392.57
368.C	C	25 mm nominal bore.	Each	506.31

369	1110	Providing and fixing in position of following of approved brand (ISI marked)		
369.A	A	15 mm nominal bore C.P brass long nose bibcock	Each	1108.08
369.B	B	15mm nominal C.P brass stop cock (concealed)	Each	867.21
369.C	C	15 mm nominal C.P brass long body bibcock	Each	854.11
370	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
371	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
372	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		
372.A	B	Cudappa sink of size 600x600x200 or theraboults (outer dimensions) - 12mmthick	Each	1379.58
373	1121	Providing & Fixing in position of 100 x 75 mm Nahani trap with PVCgrating, all as per standard specifications	Each	270.40
374	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 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.	Sqm	767.08

375	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.FixitPidicreteurpsbr 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 BHEL 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/sqm)	Sqm	500.61
376	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 etccomplete.	Sqm	223.85
377	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	Point	215.71

		NITT stores. (CEMENT CONSUMPTION = 0.35KG/POINT)		
378	1544	Providing one coat of Antifungal coating-tec tough/Cera re-played/Sika Multi guard or Sika gard 67/NACC acrylic/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.	Sqm	300.74
379	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.	Sqm	738.67
380	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

Validate Print Help

Percentage BoQ

Tender Inviting Authority: The Director , NIT Trichy-15

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

Contract No: NITT/EMD/AMC/CVL/ Tender/2025-26/03

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 at NIT-Trichy. (as per Schedule "A")	1.000	Unit	25000000.00	**25000000.00**	INR Two Crore Fifty Lakh Only
Total in Figures					**25000000.00**	INR Two Crore Fifty Lakh Only
Quoted Rate in Figures			**Select(+/-)**		**0.00**	INR Zero Only
Quoted Rate in Words		**INR Zero Only**				

"The above is for reference only. The percentage should be entered exclusively in the Price Bid (xls.). The Price Bid must not be included in the Technical Bid; failure to comply will result in the bid being summarily rejected."

Note : The Quoted % rate is proportionally applicable to all the items.

ANNEXURE-I

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 incase 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, thebrands 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			
		ACC	ACC cements Ltd

1	Ordinary Portland Cement (43 grade) / Portland Pozzolana Cement (PPC)	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 Speciality 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
		HomeshieldSupergrout	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 doors
		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,
		Dorma	Dorma India Pvt. Ltd
		Ingersolrand	Ingersolrand (India) Ltd,
		Geze	GezeGMbH

16	Fire rated hardware	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
		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

23	UPVC doors, frames and window profiles	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	Stainless steel Bolts, washers, nuts	Kundan	Kundan Industires Ltd
		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 (for Temperature 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	False Ceiling Members (Perimeter, Ceiling section, intermediates, angles etc.,)	Armstrong	Armstrong World Industries
		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	NerolacKansiaNerolac 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
		Asian	Asian paint
		Dulux	ICI dulux
		Nerolac	Nerolac

4	Oil Bound Distemper	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 exterial 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	Sililcon coating	Dow corning	Dow corning India
		BASF	BASF India Ltd.
		GE	GE Silicones
		Wacker	Wacker silicones.
19		Asian epoxy	Asian paints
		Berger	Berger paints India Ltd.
		Surfa Coats	Surfa Coats, Pvt. Ltd.,

	Textured acyrlic Exterior Paint	Akzonobel	Akzonobel
		Ebco	Ebco
		Neroloc	NerolacPaints 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	Polycorbonate Convex mirrors, Rubberised 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	Asianpaints Ltd.
4	Urinals	Parryware	ROCA Bath Pvt. Ltd.,
		Shakti	Shakti Enterprises
		Hindware	HSIL Ltd,
		CERA	CERA Sanitaryware Ltd.,
		Rak Ceramics	RakCeramics India Pvt. Ltd
		Supreme	SupermeIndustires Ltd.
		Astral	Astral polytechnik Ltd.

5	SWR / UPVC Pipes& fittings	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,	Parryware
		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
		Sleek	Asian Paints

9	Modular Kitchen / Wardrobes/Hardware and Accesseries	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 Compnay 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 Compnay 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	FinolexIndustries Ltd.
		Astral	Astral Polytechnik Ltd.,
		Prince	Prince Pipes andfinttings 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	SentiniFlopipesIndia Pvt. Ltd.
		Astral	Astral Poly Technik Limited,
		Ashirwad	Ashirwad PVC Pipes
		Flowgard	Flowgaurd
6	PVC / HDPE water storage tanks	Sintex	Sintexplastic technology Ltd,.
		Vectus	Vectus Industries Ltd.
		Supreme	Supreme Industries Ltd.

7	Watersupply fixtures like bibcock, Shower panels CP Brass fixtures like bibcock, angle cock , Piler Cock, mixtures,Showers etc.,	Jaquar	Jaquar Group
		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 and 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	jindalAluminium Ltd.,
		Bhoruka	BhorukaAluminium Ltd.,
		Indal	Indian Aluminium Ltd.,
		Padmavathi Extrusion	Padmavathi Extrusion Private Ltd.
		Hydro	Hydro Extrusion
		Omalco Extrusion	Omalco Extrusion Pvt. Ltd.
		Bhoruka	BhorukaAluminium Ltd.,
2	Aluminium systems/ Anodised	Define	Define Overseas Pvt.
	aluminium fittings for doors/windows		Ltd.
		Schueco	SchuecoIndia Pvt. Ltd.,
		Bhoruka	BhorukaAluminium 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			
		Fosroc	Fosroc India
		Sika	Sika India
		Dr. Fixit	PidiliteIndustires
		CICO	CICO Technologies Ltd.,
		Impermo	Snowcem paints
		Accoproof	ACC cements Ltd.,

1	Water proofing compound	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	PidiliteIndustires
		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	PidiliteIndustires
		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	PidiliteIndustries 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 Equipements	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	PidiliteIndustries 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	PidiliteIndusteries
		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 productPvt.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 Bamboowood Products	Mutha Industries
		Floor India	Flooring India Company, Panipat Haryana
		Ecorgreen flooring	Jupiter Traders, Bangalore.
16	Organic microbes for OWC	Prapt Organics	Prapat Organics
		Mygreen Bin	Mygreen Bin
		Shara Eco Products	Shara Eco Products

ANNEXURE – II

BANK GUARANTEE FOR SECURITY DEPOSIT

1. THIS DEED OF GUARANTEE made this on _____ By Name of Bank in favor of M/s.National Institute of Technology,Tamilnadu,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 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% 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 31.08.2023 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 NIT under the contract(s) already placed but pending as on date and to be placed up to 31.08.2023 against all risks till they are delivered back as finished products to NIT 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 NIT 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.

The raw materials shall always remain the property of NIT and the Bank shall indemnity NIT 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 NIT shall always be open for inspection by any Officer authorized by NIT. 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 othenvise 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).

7. 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.

8. 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.

9. (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 effected 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 in writing.
In witness whereof we Name of 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.

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 five years duly certified by the chartered accountant, as submitted by the applicant to the Income – Tax Department (Copies to be attached).

Sl. No.	Details	Year Ending 31st March 2024				
		2020	2021	2022	2023	2024
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.

IV. Solvency certificate from any Nationalised Bank.

Signature(s) of Applicant (s) with seal

Signature of Charted Accountant with seal

Form - B

Performance Report form for works completed and are in progress during last 7 years
(Attach copies of work order / agreement – Multiple copies may be generated as perrequirement)

1.	Name of the work	:	Project & Location
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 originalDocument 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 variousGovernment 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 workwith designation of individuals authorized to act for the organization.

6. Was the applicant ever required to suspend housekeeping 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

Form D

DETAILS OF KEY TECHNICAL AND ADMINISTRATIVE PERSONNEL EMPLOYEDBY THE FIRM / COMPANY

Sl. No	Designation	Total number	Name	Qualification / Professional Experience	Length of continuous service with the employer

Note: Additional information about technical personnel, if any, be submitted inseparate sheet

Signature(s) of Applicant (s) with seal

FORM - E

Equipment Details

List of equipment owned and planned for deployment

Sl. No.	Equipment	Numbers
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Signature(s) of Applicant (s) with seal

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** **EMD**

Office Use Only

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

Contractor **Junior Engineer/Section-in-charge**

To be submitted along with running bills.

Enclosure -II

MAINTENANCE COMPLAINT REGISTER

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

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

QUALIFICATION INFORMATION LETTER OF TRANSMITTAL

To

The Director
NIT,
Tiruchirappalli 620 015.

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

Sir,

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

1. I / we hereby certify that all the statements 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 and to get qualified for taking part in the tendering process for the work. We have no further information to supply.
3. I / we submit the requisite latest solvency certificate in original and authorize the Director,NIT Tiruchirappalli or his authorized representative to approach the bank concerned to confirm the correctness of the certificate. I / we also authorize NIT Tiruchirappalli or its representative to approach individuals, firms and corporations to verify our competence and general reputation.

I am / we are aware that the tender document (Financial bid) will not be opened if I am / we are not qualified to take part in the tendering process.

Seal of the Applicant

Date of submission

Signature(s) of the applicant(s)

(For E-Tender)

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)

The Director,
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 NIT Tiruchirappalli, 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 NIT Tiruchirappalli has to carry out e-tender again due to our mistake, NIT Tiruchirappalli 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 3% to 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 award/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 NIT Tiruchirappalli 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 NIT Tiruchirappalli 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 NIT Tiruchirappalli 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
Contact Details

Date with stamp & seal of organization:

Contract Agreement No…….

TENDER

To

The Director,
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 NITT 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 Director, NITT., in his sole discretion whose decision shall be final and binding.

WITNESS Signature of the Contractor

Date:

1. …….

2. …….

Help Page to Web load the documents in E-Tender Portal for Cover Wise Uploading the Tender Documents AFTER LOGGING IN TO THE BIDDER'S LOGIN COVER WISE TO BE UPLOADED DOCUMENTS

Cover Details, No. Of Covers – 3				
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 I)	The Form has to be submitted in the Letter Head of the Firm/Company/Enterprises along with appropriate Sign & Seal)
	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.7)	Duly filled and signed and stamped Checklist for Bid / Tender Document available in the page no.7
		.pdf	Other Important Documents. (Combined Copy)	Details to be furnished by the Contractor Form (Tender Document Pg. No.7) Relevant certificates for items 2-7 are to be enclosed
		.pdf	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.
2	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