

**All India Institute of Medical Sciences  
Rishikesh-249203**



**Annual Repair and Maintenance of Hospital Building at AIIMS Rishikesh**

<b>Ref. No.</b>	<b>:</b>	<b>06/EE/Civil/2025-26</b>
<b>Publishing Date</b>	<b>:</b>	<b>03-06-2025 on 03:00 PM</b>
<b>Bid Submission Start Date</b>	<b>:</b>	<b>03-06-2025 on 03:00 PM</b>
<b>Pre Bid meeting date</b>	<b>:</b>	<b>10-06-2025 on 03:00PM</b>
<b>Last Date of Bid Submission</b>	<b>:</b>	<b>26-06-2025 on 03:00PM</b>
<b>Bid Opening</b>	<b>:</b>	<b>27-06-2025 on 03:00 PM</b>

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Certified that this bid document contains pages 1 to 59 (One to Fifty-Nine page).

Executive Engineer  
AIIMS, Rishikesh

**Tender document may be downloaded from CPPP site <https://eprocure.gov.in>  
NIT may be downloaded from institute's website [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in)**

**AIIMS, Rishikesh**

**NOTICE INVITING TENDER**

The Executive Engineer, AIIMS Rishikesh on behalf of the Executive Director, AIIMS Rishikesh invites Percentage rate e-tenders from enlisted contractor in the appropriate classes and category in CPWD, MES, Railway and state government of Uttarakhand (PWD & IRRIGATION Department only) for the following work: -

NIT No. : **06/EE/Civil/2025-26**

Name of Work: **Annual Repair and Maintenance of Hospital Building at AIIMS Rishikesh**

Estimated Cost: **Rs. 1,90,06,446.87**

Earnest money: **Rs. 9,50,322.00**

Period of completion: **365 Days**

**Last date & time of submission of bids: 26-06-2025 on 03:00PM**

The tender forms and other details can be seen and downloaded from the website [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in) or CPPP site <http://eprocure.gov.in>

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE**

The Executive Engineer, AIIMS Rishikesh on behalf of the Executive Director, AIIMS Rishikesh invites Percentage rate e-tenders from enlisted contractor in the appropriate classes and category in CPWD, MES, Railway and state government of Uttarakhand (PWD & IRRIGATION Department only) for the following work:

Name of work & Location	Estimated cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid	Time & date of opening of bid	Date and time of submission of EMD in hard form to Executive Engineer office
<b><u>Annual Repair and Maintenance of Hospital Building at AIIMS Rishikesh</u></b>	<b>Rs. 1,90,06,446.87</b>	<b>Rs.9,50,322.00</b>	<b>365 Days</b>	<b>26-06-2025 on 03:00PM</b>	<b>27-06-2025 on 03:00PM</b>	Agency can submit EMD in hard copy/Online receipt in a sealed envelope with clearly mentioning the Tender Id No. on or before last date and time of submission of bid. Delay in the post or courier may be treated as disqualified.

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in) or <https://eprocure.gov.in>
4. Those contractors not registered on the website mentioned above, are requested to get registered beforehand.
5. The intending bidder must have valid class-III digital signature to submit the bid.
6. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
7. Contractor can upload documents in the form of PDF format only.
8. The contractor should quote the rate of item including GST as per statutory rules.
9. The successful bidders have to execute a contract on Indian non judicial stamp paper of Rs.100/- (Rupees one hundred only) within Ten (10) days from the date of award of this tender in his favour and also required to furnish the **7.5%** against performance guarantee of contract value in the form of FD from any Nationalized/ Schedule bank duly pledged in favour of AIIMS, Rishikesh & payable at Rishikesh only. If the successful bidder fails to furnish the full Performance guarantee within 10 (Ten) days after the issue of Letter of Acceptance of Work, then action will be taken as per tender documents, CPWD works manual-2022, CPWD General Condition of Contract-2023, or full amount of EMD shall be forfeited of the contractor unless time extension has been granted by AIIMS, Rishikesh.

10. The bid shall be valid and open for acceptance by the competent authority of AIIMS Rishikesh for a period of 90 (ninety) days from the date of opening of the Financial bid and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, Further the bidders shall not be allowed to participate in the re-bidding process of the work & action will be taken as per tender documents, CPWD works manual-2022, CPWD General Condition of Contract-2023, or full amount of EMD shall be forfeited of the contractor.
11. Contractor shall deposit earnest money in receipt treasury challan/deposit at call receipt of a schedule bank/fixed deposit receipt of schedule bank/demand draft of schedule bank/bank guarantee issued by a schedule bank is scanned and uploaded and submit in original on or before last date and time of submission of bid or contractor can submit EMD directly in bank account of AIIMS Rishikesh. Detail is mentioned below-

Account Number: -6189000100021125

Bank name: - Punjab National Bank

Branch name: - PNB Pashulok

IFSC code: - PUNB0618900

12. List of Self attested Documents to be scanned and uploaded in CPP portal at AIIMS Rishikesh within the period of bid submission, failing which the bid of the tenderer shall be rejected:
  - I. Affidavit (on Rs.100 non judicial stamp with notarized) regarding establishment of proprietorship firm / registered partnership deed / letter of incorporation for private ltd / ltd firm with written power of attorney (in case of bidder is owner, not required) of the authorized signatory.
  - II. Self-certified copy of work completion certificate for similar works as per eligibility criteria
  - III. Copy of registration certificate with CPWD, State PWD & Irrigation Department, MES, and railway as mentioned in NIT.
  - IV. Contractor shall submit the Notarized undertaking on non-judicial stamp of Rs.100 as mentioned in annexure-II, annexure-III and annexure-IV of this NIT.
  - V. Turnover certificate of last three years having UDIN number issued by the CA.
  - VI. The valid solvency certificate of minimum 40% of the tendered amount issued by any nationalized bank under the governed by RBI or net worth certificate of minimum 40% of the tendered amount duly issued by CA with UDIN number not later than six months.
  - VII. GST,
  - VIII. PAN,
  - IX. ESI,
  - X. EPF
  - XI. Notarized copy of the registered partnership deed.
  - XII. Valid Registration certificate of contractor in the appropriate category.
  - XIII. Proposal for eligible associating agencies as per Form-G

### **13. Due to Scarcity of funds payments may get delayed. No interest shall be paid to contractor due to delay in payment.**

14. Contract/Bidder have to submit EMD in hard copy in a sealed envelope with clearly mentioning the Tender Id No. on or before the last date and time of submission of bid. Delay in the post or courier may be treated as disqualified.
15. Additional Performance Security may be applicable in case of bidder quoted the abnormal below rate which is decided by the competent authority. The abnormal below rate may also be decided by the competent authority and their decision may be final. Bidder/Contractor has also to submit the market rate analysis to carry out the work. Non-submission of the Additional performance guarantee in a stipulated time shall be treated as disqualified from the contract and bidder/contractor may also be debarred for the three years in further participation in any bid of any department AIIMS.

**Govt. of India**  
**AIIMS, Rishikesh**  
**Notice Inviting e-Tender**

The Executive Engineer, AIIMS Rishikesh on behalf of the Executive Director, AIIMS Rishikesh invites Percentage rate e-tenders from enlisted contractor in the appropriate classes and category in CPWD, MES, Railway and state government of Uttarakhand (PWD & IRRIGATION Department only) for the work “**Annual Repair and Maintenance of Hospital Building at AIIMS Rishikesh**”

- 1.1 The work is estimated to Cost **Rs. 1,90,06,446.87** this estimate, however, is given merely as a rough guide.
- 1.2 Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below: -

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

**1.2.1 Criteria of eligibility for the Experience**

Experience of having successfully completed similar works during the last seven years ending last day of month previous to the one in which tenders are invited.

- (a) Three similar completed works each costing not less than 40% of the estimated cost put to tender, or
- (b) Two similar completed works each costing not less than 60% of the estimated cost put to tender,
- or
- (c) One similar completed work costing not less than 80% of the estimated cost put to tender.

**Similar works means** Experience of Building Construction work/ Renovation work/ Civil Maintenance.

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

**1.2.2. Certificate of Registration for GST and acknowledgement of up to date filed return.**

**1.2.3. Certificate of work experience issued by the Government department/PSU. (As specified in Clause 1.2.1 of CPWD-6)**

**1.2.4. Valid enlistment certificate of Government department mentioned in the NIT.**

**1.2.5. Hard copy of EMD in form of FDR/DD/online receipt and Contract/Bidder have to submit EMD in hard copy in a sealed envelope with clearly mentioning the Tender Id No. on or before the last date and time of submission of bid. Delay in the post or courier may be treated as disqualified.**

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 which is available as a Govt. of India Publication and also available on website [www.cpwd.gov.in](http://www.cpwd.gov.in). Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **365 Days** from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available. The architectural and structural drawings shall be made available as per requirement of the same as per approved programme of completion submitted by the contractor after award of the work.

- 5 The tender document consisting of plans if any, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions Of Contract Form can be seen from website [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in) or <https://eprocure.gov.in>

The bid submitted shall be opened on :- **27-06-2025 on 03:00PM**

6. The contractor whose bid is accepted will be required to furnish performance guarantee of 7.5% (Seven Point Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period. If the bidder/contractor refuses to execute the work at any stage, the institute has the full right to forfeit the performance guarantee/EMD of the bidder/contractor, either fully or partially, in the interest of the institute. Additionally, the bidder/contractor may be debarred or blacklisted from participating in future bidding for a period of no less than three years or indefinitely, as per the direction/decision of the Engineer-in-Charge.
7. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.
8. The competent authority does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
9. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
10. The competent authority reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
11. The contractor shall not be permitted to tender for works in AIIMS Rishikesh in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Executive Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in AIIMS Rishikesh. Any breach of this condition by the contractor would render him liable to reject his Bid submitted by him.
12. This notice inviting Bid shall form a part of the contract document. The successful bidders /contractor, on acceptance of his tender by the Accepting Authority shall within 10 days from the stipulated date of start of the work, sign the contract consisting of: -
- The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender.

- b) Standard C.P.W.D. Form 7 or General condition of contract for C.P.W.D Maintenance work 2020 with up to date correction slips.
- 13 The valid solvency certificate of minimum 40% of the tendered amount issued by any nationalized bank under the governed by RBI or net worth certificate of minimum 40% of the tendered amount duly issued by CA with UDIN number not later than six months.
  14. The turnover certificate issued by the Chartered Accountant having valid UDIN number of the last 3 years. The average turnover is the 50% percent of the tendered amount.
  15. The bidder has to enclose the valid EPF and ESI certificate.
  16. Completion certificate issued by Competent Authority will only be considered. Competent Authority means officer of not below the rank of Executive Engineer/ Equivalent would be acceptable.
  17. Notarized copy of the registered partnership deed.
  18. Valid Registration certificate of enlistment of contractor in the appropriate category in appropriate class as mentioned in above first para.
  19. The bidder is bound to execute the extra item/Non schedule item at their quoted price only.

## INTEGRITY PACT

To,

Sub: **06/EE/Civil/2025-26 : Annual Repair and Maintenance of Hospital Building at AIIMS Rishikesh**

Dear Sir,

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

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender / bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the AIIMS Rishikesh.

Yours faithfully,

Executive Engineer  
AIIMS Rishikesh

To,

The Executive Engineer,  
AIIMS Rishikesh,

Sub: Submission of Tender for the work of **Annual Repair and Maintenance of Hospital Building at AIIMS Rishikesh**

Dear Sir,

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

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

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by AIIMS Rishikesh. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, AIIMS Rishikesh shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

**To be signed by the bidder and same signatory competent / authorised to sign the relevant contract on behalf of the Executive Director AIIMS Rishikesh.**

## INTEGRITY AGREEMENT

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

### BETWEEN

AIIMS Rishikesh represented through the Executive Director.....

(Name of Division)

AIIMS Rishikesh....., (Hereinafter referred as the

(Address of Division)

**'Principal / Owner'**, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

### AND

(Name and Address of the Individual/firm/Company)

Through.....(hereinafter referred to as the

(Details of duly authorized signatory)

**'Bidder/Contractor'** and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

### **Preamble**

WHEREAS the Principal /Owner has floated the Tender (NIT No.

..... ) (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for

(Name of work)

Hereinafter referred to as the "**Contract**".

AND WHEREAS the Principal / Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "**Integrity Pact**" or "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

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

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

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
  - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit

which the person is not legally entitled to.

- (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
  - (c) The Principal / Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC) / Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal / Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

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

- 1) It is required that each Bidder / Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
  - a) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal / Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - b) The Bidder(s) / Contractor (s) will not enter with other Bidder (s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
  - c) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s) / Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents / representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with

the first manufacturer in a subsequent/parallel tender for the same item.

- d) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose (with each tender as per performa enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract
- 3) The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake / forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
- 5) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his / her reputation or property to influence their participation in the tendering process).

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

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

- 1) If the Bidder (s) / Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal / Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Performance Guarantee/ Security Deposit:**

If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder / Contractor.

### **3) Criminal Liability:**

If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner

has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

#### **Article 4: Previous Transgression**

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holding listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

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

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

#### **Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor / Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, Executive Director, AIIMS Rishikesh.

#### **Article 7- Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **Head quarters of the Division** of the Principal / Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In

case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this **Integrity Agreement/ Pact or interpretation** there of shall not be subject to arbitration.

**Article 8:- Submission**

**Additional Performance Security** may be applicable in case of bidder quoted the abnormal below rate which is decided by the competent authority. The abnormal below rate may also be decided by the competent authority and their decision may be final. Bidder/Contractor has also to submit the market rate analysis to carry out the work. Non-submission of the Additional performance guarantee in a stipulated time shall be treated as disqualified from the contract and bidder/contractor may also be debarred for the three years in further participation in any bid of any department AIIMS.

**Article 9- LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender / Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal/Owner)

(For and on behalf of Bidder/Contractor)

WITNESSES:

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

Place: -

Dated: -

## निविदा TENDER

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

I/We hereby tender for the execution of the work specified within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for Ninety (90) days from the due date of opening of financial bid and not to make any modification in its terms and conditions.

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

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

तारीख Dated #.....

टेकेदार के हस्ताक्षर Signature of Contractor#  
डाक का पता Postal Address#

साक्षी Witness : #

पता Address: #

उपजीविका Occupation: #

**# To be filled in by the contractor/witness as applicable**

**ACCEPTANCE**

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the Executive Director, AIIMS Rishikesh for a sum of ₹. \_\_\_\_\_

(Rupees \_\_\_\_\_)

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

- a)
- b)
- c)

For & on behalf of the Executive Director, AIIMS Rishikesh

Signature.....

तारीख Dated ..... ..

Designation.....

अनुसूचियां **SCHEDULES**  
**[ FOR MAJOR (CIVIL) COMPONENT ]**

अनुसूची 'क' **SCHEDULE 'A'**  
मात्राओं की अनुसूची (संलग्न)

Schedule of quantities (Enclosed)

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अनुसूची 'ख' **SCHEDULE 'B'**  
ठेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची  
Schedule of materials to be issued to the contractor.

क्रम सं. S.No.	मद विवरण Description of item	मात्रा Quantity	जिस दर पर सामग्रियां ठेकेदार को प्रभारित होगी वह दर अंकों एवं शब्दों में Rates in figures & words at which the material will be charged to the contractor	निर्गत स्थान Place of Issue
1	2	3	4	5

अनुसूची 'ग' **SCHEDULE 'C'**

ठेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

क्रम सं. Sl. No.	विवरण Description	भाड़ा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of Issue
1	2	3	4

**NIL**

अनुसूची 'घ' **SCHEDULE 'D'**

कार्य के लिए विशेष अपेक्षाएं/दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची

Extra schedule for specific requirements/documents for the work, if any. -----Nil-----

## अनुसूची (ड) SCHEDULE 'E'

1.	टेके की सामान्य शर्तों का संदर्भ Reference to General Conditions of contract	General conditions of contract for CPWD works 2023 (maintenance work) as amended upto date.
Name of work :- <b><u>Annual Repair and Maintenance of Hospital Building at AIIMS Rishikesh</u></b>		
	कार्य की अनुमानित लागत Estimated cost of work	: <b>Rs. 1,90,06,446.87</b>
	(i) धरोहर राशि Earnest money	: <b>Rs. 9,50,322.00 in form of FDR from scheduled bank.</b>
	(ii) निष्पादन गारंटी Performance guarantee :	7.5% of Tendered value. निविदित मूल्य का 7.5%
	(iii) प्रतिभूति निक्षेप: Security Deposit:	2.5% of each bill
अनुसूची 'च' SCHEDULE 'F'		
सामान्य नियम एवं दिशानिर्देश:		
<b>General Rules &amp; Directions:</b>		
निविदा आमंत्रण करने वाला प्राधिकारी		
Officer inviting tender -		
कार्य की मर्दों की मात्रा के लिए अधिकतम प्रतिषत जिससे अधिक निष्पादित मर्दों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के अनुसार होगा		
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.		
see below		
Definitions:		
2(v)	भारसाधक इंजीनियर Engineer-in-Charge	<b>Executive Engineer (C), for Civil Work Executive Engineer (E) For Electrical Work</b>
2(viii)	स्वीकार कर्ता प्राधिकारी Accepting Authority	<b>Executive Engineer, AIIMS Rishikesh</b>
2(x)	अतिरिक्त और लाभों को पूरा करने के लिए श्रम एवं सामग्रियों की लागत पर प्रतिषतता Percentage on cost of materials and labour to cover all overheads and profits.	<b>15% (Fifteen per cent)</b>
2(xi)	दरों की मानक अनुसूची Standard schedule of Rates for Civil: -	<b>Delhi Schedule of rate 2023(Civil)/Market Rate issued upto date of receipt of tender.</b>
2(xii)	विभाग Department	<b>AIIMS Rishikesh</b>
9(ii)	मानक के.लो.नि.वि. ठेका फार्म Standard CPWD contract Form	<b>CPWD form7 GCC 2023 Maintenance work with up to date correction slip.</b>

<b>खण्ड Clause 1</b>	स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय Time allowed for submission of performance guarantee from the date of issue of letter of acceptance	: 10 days
	:पद्ध (उपर्युक्त प) में दी गई अवधि के पश्चात् अधिकतम अनुमेय एक्सटेंशन Maximum allowable extension with late fee @ 0.10% per day of performance guarantee amount beyond the period as provided in (i) above	: 07 days
<b>Clause 3</b>	When Contract can be Determined	Applicable
<b>खण्ड Clause 2</b>	खण्ड 2 के तहत प्रतिकार निश्चित करने वाला प्राधिकारी Authority for fixing compensation under clause 2	<b>Superintending Engineer, AIIMS Rishikesh</b>
<b>खण्ड Clause 2A</b>	क्या खण्ड 2 क लागू होगा Whether clause 2A shall be applicable	<b>No</b>
<b>खण्ड Clause 5</b>	कार्य आरंभ की तारीख की गणना के लिए स्वीकृति पत्र के जारी होने की तारीख से दिनों की संख्या No. of days from the date of issue of letter of acceptance for reckoning date of start	<b>10 days.</b>
	लक्ष्य नीचे दी गई सारणी के अनुसार	
<b><u>Milestone(s):</u> -</b>		<b>NA</b>
	कार्य निष्पादित करने के लिए अनुमत समय Time allowed for execution of work Authority to decide (i) Extension of Time (ii) Rescheduling of mile stones	<b>365 Days</b> <b>Superintending Engineer, AIIMS Rishikesh</b> <b>Superintending Engineer, AIIMS Rishikesh.</b>
(iii) Shifting of date of start in case of delay in handing over of site		<b>Executive Engineer , AIIMS Rishikesh</b>
<b>खण्ड Clause 6</b>	Computerized Measurement Book (CMB) / Electronic Measurement Book (EMB) through CPWD ERP portal	: <b>Applicable</b>
<b>खण्ड Clause 7</b>	अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य Gross work to be done together with net payment/adjustment of advances for material collected, if any since the last such payment for being eligible to interim payment	<b>Rs.5.0 Lakhs</b>
<b>Clause 8A</b>	Contractor to keep Site Clean.	Applicable
<b>खण्ड 10 d Clause10A</b>	कार्यस्थल प्रयोगशाला में टेकेदार द्वारा उपलब्ध कराये जाने परीक्षण उपकरण की सूची List of testing equipment to be provided by the	<b>N.A.</b>

contractor at site lab.

**खण्ड Clause10B(ii)**

क्या खण्ड 10 ख ;पपद्ध लागू होगा

Whether clause 10B (ii) shall be applicable **NA**

**खण्ड Clause10C**

Component of labour expressed as **NA**  
Percent of value of work

**खण्ड Clause 10CC - NOT APPLICABLE.**

खण्ड 10 गग उन सविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अमले कालम में दर्शाई गई अवधि से अधिक अनुबंधित है।  
Clause 10CC to be applicable in case of **DELETE** with stipulated period of compensation exceeding the period shown in next column : ..... Months

**खण्ड Clause10d**

**Yes**

**खण्ड Clause 11**

कार्य निष्पादन के लिए अनुपालन

Specifications to be followed for execution of work

**For Civil : CPWD specification 2019, Volume-I & II with correction slips upto date of receipt of tender.**

**खण्ड Clause 12**

**Applicable**

12.2 & 12.3

विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे

Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work (Other than foundation)

**50%**

12.5

(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)

**50%**

(ii) Deviation limit for items in earth work subhead of DSR or related items

**100%**

**Clause 14**

Carrying out part work at risk & cost of contractor

**Applicable**

**Clause 15**

**Applicable**

**खण्ड Clause 16**

**Applicable**

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी

Competent Authority for deciding reduced rates

**Superintending Engineer, AIIMS Rishikesh**

**Clause 17**

**Applicable**

**खण्ड Clause 18**

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य मशीनरी औजार एवं सयंत्रों की सूची :-

List of mandatory machines, tools and

plants to be deployed by the contractor at site.

**N.A.**

**Clause 19**

**Applicable**

**Clause 19 A**

**Applicable**

**Clause 19 B**

**Applicable**

**Clause 19 C**

**Applicable**

**Clause 19 D**

**Applicable**

**Clause 19 E**

**Applicable**

**Clause 19 I**

**Applicable**

**Clause 19 K**

**Applicable**

**Clause 19 L**

**Applicable**

**Clause 20**

**Applicable**

**Clause 23**

**Applicable**

**Clause 24**

**Applicable**

**खण्ड Clause 25**

Constitution of dispute redressed committee (DRC)

Deleted  
Applicable**Clause 28****Clause 32: Employment of technical staff & employee**

“Requirement of Technical Representative (s) and Recovery Rates”

Cost of work in Rs.	Requirement of Technical Qualification	Number of (Major +Minor Component)	Designation ( Technical Staff )	Minimum Experience (Years )	Rate at which recovery shall be made from the contractor in the event of not fulfilling
More than 15 lakhs up to 1.5 Crores	Graduate Engineer OR Diploma Engineer	1 of major component	Planning/Quality/Site /Billing Engineer	2 or 5 respectively	Rs. 20000/- per month per person

“Cost of work” in the table above, means the agreement amount of the work.

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

Diploma holder with minimum 10 years relevant experience with reputed construction company can be treated at par with graduate engineers for the purpose of such deployment subject to the condition that such diploma holder should not exceed 50% of requirement of degree engineers.

**Clause 38**

ख क) सीमेन्ट और बिटुमन की अनुमानमूल मात्रा निर्धारित करने के लिए अनुसूची /विवरण

केलोनवि द्वारा मुद्रित दिल्ली दर अनुसूची 2023 ds vk/kkj ij ख़.म

I) (a)	Schedule/statement for determining theoretical quantity of cement & bitumen	on the basis of Delhi Schedule of Rates 2023 printed by C.P.W.D. with correctionslips issued up to date of receipt of tender.
II)	अनुमानमूलक मात्राओं में अनुमत्य विचलन Variations permissible on theoretical quantities.	<b>Yes</b>
II)	अनुमानमूलक मात्राओं में अनुमत्य विचलन Variations permissible on theoretical quantities.	<b>Yes</b>
d½	सीमेन्ट जिन कार्यों के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक न हो	
a)	Cement for works with estimated cost put to tender not more than Rs. 5 lakhs	Not Applicable
	जिन कार्यों के लिए निविदामें अनुमानित मूल्य रु. 5 लाख से अधिक हो	2 प्रतिशत जमा / घटा
	for works with estimated cost put to tender more than Rs. 5 lakhs	2 % plus/minus.
ख।)	बिटुमन सभी कार्यों के लिए	2.5 प्रतिशत केवल जमा और घटा के पक्ष में शून्य
b)	Bitumen for all works	2.5% plus only & Nil on minus side.
ग)	इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए पुनर्वलन और संरचनात्मक इस्पात काट	2 प्रतिशत जमा / घटा
c)	Steel Reinforcement and structural steel	

sections for each diameter, section and category.

2% plus/minus

घ) सभी अन्य सामग्रियां  
d) All other materials

शून्य  
Nil.

अनुमत्य विचलन से अधिक की मात्राओं के लिए वसूली दर

**RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION**

क्रम सं. SI No.	मद विवरण Description of item	अंको और शब्दों में वह दर जिस पर ठेकेदार से वसूली की जाएगी Rates in figures and words at which recovery shall be made from the Contractor	
		अनुमत्य विचलन से अधिक आधिक्य Excess beyond permissible variation	अनुमत्य विचलन से अधिक उपयोग घटाया Less use beyond the permissible variation
1.	सीमेन्ट Cement	N.A.	<b>Rs. 6210/- Per MT</b>
2.	ईस्पात Steel Reinforcement	N.A.	<b>Rs. 53099/- Per M.T.</b>

**FORM OF EARNEST MONEY (BANK GUARANTEE)**

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

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

SEALED with the Common Seal of the said Bank this ..... day of ..... 20...

THE CONDITIONS of this obligation are:

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

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

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

DATE

SIGNATURE OF THE BANK

WITNESS

SEAL

(SIGNATURE, NAME AND ADDRESS)

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

**PARTICULAR SPECIFICATIONS**  
**&**  
**SPECIAL CONDITIONS**

**1. GENERAL**

- 1.1 Wherever any reference to any Indian Standard Specifications of BIS occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there-to or revisions thereof, if any, up to the date of receipt of tenders.
- 1.2 The contractor shall work according to the programme of work as approved by the Engineer-in-charge, for which purpose, the contractor shall submit a programme of the work within 15 days from the stipulated date of start of the work.
- 1.3 The contractor shall take instructions from the Engineer-in-charge for stacking of materials at site. No excavated earth or building materials shall be stacked on areas where the buildings, roads, services or compound walls are to be constructed.
- 1.4 Unless otherwise provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing shall be payable to him on this account.
- 1.5 The working drawings appearing at para 8.1(iii) of conditions of contract in the form CPWD-8, shall mean to include both architectural and structural drawings respectively. The structural and architectural drawings shall be properly correlated before executing the work. In case of any difference noticed between architectural and structural drawings, final decision, in writing of the Engineer-in-charge shall be obtained by the contractor before proceeding further.
- 1.6 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions including issue of identity cards to all persons authorized by him to do work / visit the work site and nothing shall be payable on this account.
- 1.7 The contractor shall make his own arrangements for obtaining electric connections, if required, and make necessary payments directly to the department concerned.
- 1.8 The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor (s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed, so as not to interfere with the operations of other contractors, or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of Engineer-in-Charge. The contractor shall be responsible for any damage due to hindrance caused by him.
- 1.9 All the material related to the work execution shall be approved by Engineer-In-charge.
- 1.10 Any cement slurry added over base surface for bond or for continuation of concreting, for protecting reinforcement bars, its cost shall be deemed to have been included in the respective items, unless specified otherwise and nothing extra shall be payable nor extra cement shall be considered in the cement consumption on this account.
- 1.11 Stacking of materials and excavated earth including its disposal shall be done as per the directions of the Engineer-in-Charge. Double handling of materials or excavated earth if required at any stage shall have to be done by the contractor at his own cost.
- 1.12 No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.
- 1.13 Only Stainless Steel screws shall be used unless otherwise specified.
- 1.14 **Work shall be carried out in professional manner with finished product serving the intended purpose with specified strength, durability and aesthetics.**
- 1.15 Work activities shall be executed in well thought out sequences such that consequent activities not adversely affecting previously done work. Nothing extra shall be payable to protect the works already done.
- 1.16 The contractor shall prepare all the needed shop drawings well in advance and get them approved before placing the order and execution of the item.
- 1.17 Contractor shall be able to claim bill only after issuing site clearance certificate from Junior Engineer & Assistant Engineer.
- 1.18 Contractor shall submit all material in store which is to be consumed according to specifications during execution of work. It will be further issued by concerned JE and AE according to daily requirement.
- 1.19 All materials to be used during work shall be got approved from engineer in charge.

- 1.20 All samples of material shall be got approved from engineer in charge before execution of work.
- 1.21 The contractor(s) shall inspect the site of work before tendering and acquaint himself with the site conditions and **no claim on this account** shall be entertained by the department.
- 1.22 The tender shall see the approaches to the site. In case any approach from main road is required at or existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost.
- 1.23 Contractor shall take all precautionary measures to avoid any damage to adjoining property. **All necessary arrangement shall be made at his own cost.** Any damage caused by the contractor to the contractor to existing building/ installation / roads / boundary walls shall be made good by him (the contractor) at his own cost.
- 1.24 The contractor shall take all precautions to avoid accidents by exhibiting necessary caution board day and night, speed limit, red flags, red lights and proving barriers. He shall be responsible for all damages and accidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic, running of hospital services during the execution of the work.
- 1.25 Royalty at the prevailing rates whenever payable shall have to be paid by the contractor on the boulders, metal, shingle, sand and bajri etc. Or any other material collected by him for the work direct to revenue authorities and **the department shall pay nothing extra for the same.**
- 1.26 The contractor shall provide at his own cost suitable weighing, surveying and levelling and measuring arrangements as may be necessary at site for checking. All such equipment shall be got calibrated in advance from laboratory, approved by the Engineer-In-Charge. **Nothing extra shall be payable on this account.**
- 1.27 Contractor shall provide permanent bench mark, flags tops and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the level and location, given in the Architectural and plumbing drawings.
- 1.28 Water tanks, taps, sanitary, water supply and drainage pipes, civil fittings and accessories should conform to byelaws and municipal body / corporation where CPWD specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixture /fittings) tested by municipal Body / Corporation authorities wherever required at his own cost.
- 1.29 The contractor shall give performance test of the entire installations as per the standing specifications before the work is finally accepted and completion certificate is recorded by the Engineer- In -Charge. **Nothing extra whatsoever shall be payable to the contractor for the test.**
- 1.31 Any cement slurry added over base surface for the continuation of concreting for better bond is deemed to have been included in the items and **nothing extra shall be payable on this account, also the cement consumed on this account shall not be considered in theoretical consumption.**  
**For RCC work, only factory made round type cover block shall be used.**
- 1.32 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials bought to site.
- 1.33 The work shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time, by the Engineer-In-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the and satisfy himself that the information available there from is complete and unambiguous.  
**The discrepancy, if any, shall be brought to the notice of the Engineer-In-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of the work on the basis of any erroneous and or incomplete information.**
- 1.34 Other agencies will also simultaneously execute and install the works of internal electrical installations, sub- station / generating sets, air- conditioning, lifts, etc. for the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such recesses, holes, openings trenches etc. as may be required for such related works (for which inserts, sleeves, brackets, conduits, base plates, clamps etc. Shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at the time of casting of concrete, stone work and brick work, if required, and **nothing extra shall be payable on this account.**
- 1.35 All materials obtained from Govt. stores or otherwise shall be got checked by the Engineer-In-Charge or his any authorized supervisory staff on receipt of the same at site before use.
- 1.36 All material shall only be brought at site as per programme finalized with the Engineer-In-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.
- 1.37 The architectural drawings given in the tender other than those indicated in nomenclature of the items are only indicative of the nature of the work and materials / fixtures involved unless otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings duty approved by the

Engineer-In-Charge. Architectural drawings are available in the office of Engineer-In-Charge and can be seen.

- 1.38 Normally contractors shall not be allowed to work at night. Work at night shall, however, be allowed if the site conditions / circumstances at night, **no claim on this account shall be entertained. In such situations the contractor shall make available to the department proper means of transport such as vehicle at his own cost.**
- 1.39 Existing drains, cables, pipes, over-head wires, sewer lines and similar services encountered in the course of execution of work shall be protected against the damage by the contractor's own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services. In no case such services should be stopped to the existing buildings.
- 1.40 The contractor shall be responsible for the watch and ward/ guard of the buildings, safety of all fitting and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. **No extra payment shall be made on this account.**
- 1.41 The day to day receipt and issue accounts of different / brands of cement shall be maintained separately in the standard Performa by the Jr. Engineer of work and which shall be duly signed by the contractor or his authorized representative.
- 1.42 The contractor shall be fully responsible for the safe custody of materials brought by him issued to even though the materials are under double lock key system.
- 1.43 The contractor shall procure the required materials in advance so that there is sufficient time for testing of the materials and clearance of the same before use in the work. Any predelivery of the materials not required for immediate consumption shall not be resorted to. The contractor shall provide at his own cost suitable weighing and measuring arrangements at site for checking the weight / dimensions as may be necessary for execution of work.
- 1.44 No payment shall be made to the contractor for any damage caused by rain, floods, earthquake or any other natural causes whatsoever during execution of work. The contractor at his own cost will make the damages to the work good and no claim on this account shall be entertained.
- 1.45 For construction works which are likely to generate malba / rubbish to the tune of more than a truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and **wastes at his own cost** to the notified specified dumping ground and under no circumstances these shall be stacked / dumped even temporarily, outside the construction premises.
- 1.46 Any damage done by the contractor to any existing work or work being executed by other agencies shall be made good by him at his own cost.
- 1.47 On the account of security consideration, there would be some restrictions, on the working hours, movement of vehicle for transportation of material and location of labour camp. The contractor shall be bound to follow all such restrictions and adjust the programme for execution of work.
- 1.48 The contractor shall also be required to follow the rules & restrictions imposed on working / movement/ stacking of materials by the local competent authority at all times. Nothing extra shall be payable on this account.
- 1.49 In case, there is any discrepancy between English version and corresponding Hindi version, if provided, then the provisions in English version will prevail.
- 1.50 The contractor will have to work as per schedule given by the Engineer-In-Charge.
- 1.51 The contractor shall remove all splashes from doors, windows and floors etc. if the contractor fails to remove the same 10% of gross value of the bills would be kept in deposit from each bill simultaneously.
- 1.52 The contractor submits the authenticated copies of itemized bills of the material which has to be entered in the M.A.S. Register viz steel, Cement, Bitumen, Paint water proofing material or any other item suggested by the technical sanction authority before settling payment.
- 1.53 The contractor shall pump the concrete wherever necessary to expedite the progress of work. **Nothing extra shall be paid on this account.**
- 1.54 Sample of building material, fitting and other articles required for execution of work shall be got approved from the Engineer-In-Charge before use in the work. The quantity of samples brought by the contractor shall be judge by standards laid down in the relevant BIS specification.
- 1.55 All material and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-In-Charge which shall be preserve till the completion of work. If a particular brand of material is specified in the item of work in schedule of quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand/quality of material is not specified in the items of work, the contractor shall submit the samples as per suggestive list of brand name given in the tender document /particular specifications for approval of Engineer-In-Charge. For all other items, materials and fitting carrying BIS mark shall be used with approval of Engineer-In-Charge. Wherever BIS marked material / fittings are not available, the contractor shall submit samples of material/fittings manufactured by firm of repute conforming to relevant specification or IS codes and use the same only after getting the approval of Engineer-In-Charge. To avoid delay, contractor should submit samples as

- stated above well in advance so as to give timely order for procurement. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced/removed by the contractor at his own risk and cost.
- 1.56 The contractor shall ensure quality construction in a planned and time in bound manner. Any sub-standard material/work beyond set-out tolerance limit shall be summarily rejected by the Engineer-In-Charge & contractor shall be bound to replace/ remove such sub-standard/defective work immediately.
- 1.57 BIS marked items (except cement and steel) required on the work shall be got tested. Only important tests shall be carried out. The frequency of such tests shall be 25% of the frequency specified in the CPWD specifications 2009 Vol. I to II with up to date correction slips. for certain items, if the frequency of test is not mentioned in CPWD specifications then relevant IS code shall be followed and tests shall be carried out @25% of frequency specified therein.
- 1.58 BIS marked materials except otherwise specified shall be subjected to quality test besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the contractor shall furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and /or the work done.
- 1.59 Sample for testing –The contractor shall provide samples of materials required for testing free of charge. The cost of test shall be borne by the contractor / department in the manner indicate below: -
- (a) By the contractor, if the results show that the material does not conform to relevant specifications.
- (b) By the department, if the result show that the material conforms to relevant specifications. **All other expenditure required to be incurred for talking samples, conveyance, packing etc. shall be borne by the contractor himself.**
- 1.60 However, if any load testing or special testing is to be done for concrete whose strength is doubtful, the cost of the same shall be borne by the contractor.
- 1.61 All necessary tests as per the NIT/CPWD specifications/ relevant BIS codes shall be carried out on all the materials whether ISI marked or otherwise. Wherever NIT/CPWD specifications/relevant BIS Codes do not specify the frequency of tests, the same shall be carried out as per the directions of the engineer –in-charge. Nothing extra whatsoever shall be payable on this account.
- 1.62 The contractor shall ensure quality control measures on different aspects of construction methodologies to be adopted.
- 1.63 Lists of approved makes and brand of materials for civil works and sanitary works are annexed hereto. Makes and brands of materials specified therein shall only be used on the work. The contractor shall submit brand/ make of various materials to be used for the approval of Engineer-In-Charge along with samples.
- 1.64 **All material shall be brought as per programme finalized with the Engineer-In-Charge. Any pre delivery of the material, not required for immediate consumption shall not be accepted and thus not paid for.**
- 1.65 Samples including brand/quality of materials and fitting to be used in the work shall be got approved from the Engineer-In-Charge, well in advance of actual execution and shall be preserved till the completion of the work.
- 1.66 The rates for all items of work shall, unless clearly specified otherwise, include cost of all labor, material, tools, and plants and other inputs involved in the execution of the items and **nothing extra shall be payable on this account.**
- 1.67 The contractor shall quote all-inclusive rates against the items in the schedule of quantities and **nothing extra shall be payable for any of the conditions and specifications** mentioned in the tender document unless specially specified otherwise.
- 1.68 Unless otherwise specified in the schedule of quantities, the rates for all items, shall be considered as inclusive of pumping / bailing out water wherever necessary for which **no extra payment shall be made.**
- 1.69 The rate for all items, in which the use of cement is involved is inclusive of charges for curing.
- 1.70 The foundation trenches shall be kept free from water work below ground level are in progress.
- 1.71 The contractor shall indemnify the Govt. against any claims or obligation rising out of any damage to adjacent property, structure or to building work done by him.
- 1.72 In case service are encountered during excavation /earth work and such services are required to be shifted, the contractor is bound to carry out the shifting operation as per guidance/ instructions and with the approval of the Engineer-In-Charge. However, necessary payments shall be made in this regard as per provision of the agreement.
- 1.73 Many other agencies would be executing work simultaneously at site. The contractor shall maintain proper co-ordination with other agencies in maintaining progress of work. In case of any dispute, the decision of the Engineer-In-Charge shall be final and binding.

- 1.74 LABOUR CESS @ 1% OF THE GROSS VALUE OF THE WORK DONE WIL BE DEDUCTED FROM EACH RUNNING & FINAL BIL AS PER GOVT. NOTIFICATION.
- 1.75 **RECOVERY FOR WATER @ 1% OF THE GROSS VALUE OF WORK DONE SHALL BE MADE FROM THE BILL.**
- 1.76 **THE CONTRACTOR COMPLIES WITH THE INSTRUCTION CONTAINED TO DPCC OREDER FOLLOWS:-**
- (a) The dismantle material /building rubbish received from dismantling/demolishing shall be dumped to the dumping ground in properly covered truck with precaution.
- 1.77 The agency has to deposit 50% of paint material before the start of work at site calculated as per theoretical consumption calculated. The remaining material, which will be consumed as per theoretical consumption, shall be deposited by the contractor as directed by the Engineer-in-Charge
- 1.78 The Engineer-In-Charge for civil work shall be Executive Engineer (Civil) and for minor component i.e. Electrical work Shall be Executive Engineer (Electrical) All Work shall be carried out as per direction of respective engineer in charge and work completion shall be recorded after satisfactory work report duly signed by both Executive Engineers in CMB.
- 1.79 Execution of work will be done by contractor in coordination with Engineering Department and Chief Provost, Hostel. AIIMS Rishikesh.The building is occupied currently due to which the work shall be executed in a phased manner without affecting the residents. Since there is no other space available, the whole building will not be handed over to contractor in vacant state for the repair and maintenance. Planning of execution of work will be planned in most economical way.
- 1.80 Pre-Bid meeting will be held on the date as given in tender documents.
- 1.81 The vendor should see the building before submission of bid for this work.
- 1.82 If the contractor fails to execute the work in the phased manner then action will be taken against him as tender documents, CPWD manual-2022, GCC-2023 or full amount of PBG shall be forfeited.
- 1.83 Final bill of the contractor shall produce after proper testing and full satisfaction of Engineer in charge of work whole work including proper testing of pipe joints, tiles flooring etc.
- 1.84. The working area is predominantly female, so the work must be carried out according to the convenience of the students. The contractor must plan and prioritize the work according to the convenience of the students.
- 1.85 The Aadhaar card must be submitted to both the Engineering Office and the Security Office. Workers must obtain a gate entry pass, and a proper daily entry record must be maintained for workers entering the hostel premises.
- 1.86 Contractor shall submit the undertaking on stamp of Rs. 100 as mentioned in annexure-II and annexure-III of this NIT.
- 1.87 Contractor shall arrange and fix the separate sub meter before starring the work on his own expense. Bill of consumed electricity during the execution of work shall be paid in account branch of AIIMS Rishikesh.
- 1.88 CPWD norms and specifications shall be followed. Wherever, the same are not available, BIS / Engineering practice as directed by the Engineer in charge shall be followed.
- 1.89 The materials shall be got approved prior to its use from the Engineer in charge. The material shall be in original packing from the manufacturer clearly indicating manufacturing date, expiry date & price etc. Any item found defective should be replaced at free of cost to the satisfaction of Engineer in charge.
- 1.90 Contractor should arrange the register at site mentioning the following columns: -

S No	Location	Complaint	Complainant sign	Date and time of record of complaint	Date and time of attending the complaint	Date and time of resolving the complaint	Contractor sign	JE Sign	Remark

- 1.91 **All Repair and Maintenance related complaints shall be attended within 24 hour failing which a recovery of Rs. 500 per event per hour shall be made from the subsequent payment of the contractor.**
- 1.92 AIIMS will provide the location for erection of temporary store of maximum 50 sqm by tin shed to contractor. There should be material available in contractor store at any time to attend the complaints. Engineer in charge can visit the store any time and if material for repair not found than suitable action against the contractor will be imposed. After completion of work contractor to remove the tin shed.

- 1.93 As the work will have to be carried out in building and area in use the contractor shall ensure: -
- That the normal functioning of Employer is not effected as far as possible.
  - That the work is carried out in an orderly manner without obstruction to flow of traffic.
  - That all rubbish etc. is disposed off at the earliest and the place is left clean and orderly at the end of each day's work.
  - Contractor labour shall be responsible for their conduct. The staff should behave in a courteous manner. The contractor shall be held responsible for any loss or damage to AIIMS Rishikesh property.
  - The contractor shall ensure safety of his workers and others at site of work and shall be responsible for any consequence arising out of execution of the Repair and Maintenance work.
  - When instructed to do so, the contractor shall ensure proper record keeping and storing of irreparable/dismantled material and also deposit the same in the store of Engineering Department. The receipt of the handover material will be placed in the bills processed for the payment.
- 1.94 Water and electricity shall be made available free of cost at nearby source of work. The contractor has to make his own arrangement for use of the same including extending temporarily lines etc. The responsibility to follow relevant rules, regulations and loss in the regard shall be entirely that of the contractor. Any shortcomings, loss or damages due to this regard shall be borne entirely by contractor.
- 1.95 The agreement shall be in force for a period of twelve months. However, it may be extended for further period but not beyond 12 months on the same price/ terms and conditions by giving one week's notice in writing to the contractor, if decided upon to do so by Engineer in Charge.
- 1.96 The worker should be issued identity cards after getting due verification. Uniform should be worn by the worker having monogram of the firm otherwise penalty should be imposed on contractor.
- 1.97 Payment schedule of contractor is mentioned below: -

Event No	Description
1	Work done of Rs. 16,00,000
2	the actual measurement of work done at site of 30days

With reference to above if any of event is occurred earlier payment of contractor will be processed.

- 1.98 No advance payment will be made to contractor on the basis of supply of material.
- 1.99 Contractor has to appoint one diploma/degree holder engineer in civil engineering at site who may be responsible to address the complaint within 24 hours and he has to manage the work at multiple site simultaneously. If contractor not appoint any diploma/degree holder engineer in civil engineering than penalty of 20,000/-month will be recovered from running amount bill/final bill of contractor.
- 2.00 Record of measurement of work and material should be done on daily basis.
- 2.01 Abnormally High and Low Bids :
- Tender evaluation committee (TEC) will observe the rates and seek justifications if that are abnormally high/low. Threshold value over which the rates would be judged high/low shall be decided by the TEC looking into the nature of work and their specification on case-to-case basis
  - If required necessary for high bids negotiation will be done with the approval of the Competent Authority. However, if the rates will be found abnormally low additional performance guarantee shall be got deposited as per the following formula:
    - Upto 30% less than the estimated cost : Nil
    - Above 30% and less than upto 50% : 20% of estimated amount
    - Above 50% and less than upto 70% : 40% of estimated amount

The Additional Performance Guarantee will be released with Performance Guarantee.

**2.02 Pre Bid Meeting: -**

- The pre bid conference would be held in the office of Executive Engineer(Civil), AIIMS, Rishikesh. All firm's representative who are attending the pre bid meeting, shall produce an authorization letter from their firm on the firm's letter head. They are required to put their query in writing before the committee and submit the same in writing on its letter head.
- The competent authority of AIIMS, Rishikesh reserves all rights to accept or reject any/ all tender(s) without assigning any reason. It can also impose/relax any administrative term and condition/specifications of the tender enquiry after due discussion in pre-bid conference. This will be communicated and shown over the website of the Institute. No representation will be considered after pre-bid meeting and bidders may ensure their queries only in pre-bid meeting. AIIMS, Rishikesh also reserves the right to reject any bid which in its' opinion is nonresponsive or violating any of the conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.

- 2.03 . I. The bidder must execute the work in the prescribed manner or as directed by the engineer in charge. First, the renovation work of the washrooms shall be completed. After proper testing and satisfaction of the Engineer in-charge, the work of exterior painting shall be executed thereafter.
- II. A five-year Guarantee Bond in the prescribed format (Annexure-I) shall be submitted by the lowest bidder. An additional 10% of the cost of items included in the repairing of sports play courts work shall be retained as a Security Deposit which shall be released after five years from the date of actual completion of the entire work under the agreement. The security Deposit shall be released if the performance of the courts shall be found satisfactory.
- If any defect is noticed during the guarantee period or in the defect liability period, the contractor shall rectify immediately within 15 days of receiving intimation of the defects at free of cost. If the defects are not attended to within the specified period, the necessary repairs will be carried out by another agency at the risk and cost of the contractor.
- 2.04. The bidders must submit the sample of material to be used during the repairing of courts during the pre bid meeting.
- 2.05 Site shall be made available in phased manner.
- 2.06 Contractor must submit the material testing certificate from the ITF approved lab.

### **3.0 CONDITION FOR CEMENT: -**

- 3.1 The Contractor shall procure 43 grade Ordinary Portland cement (conforming to IS : 8112) or Portland slag cement (conforming to IS : 455) or Portland Pozzolana Cement (PPC) (Fly ash based) – conforming to IS : 1489 (Part-I) as required in the work, from reputed manufactures of cement such as Ultratech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement & J.K. Cement or from any other reputed cement Manufacturer having a production capacity not less than one million tons per annum.
- The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacture(s) which the contractor proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufactures, given by the tenderer, fully or partially.**
- Supply of cement shall be taken in 50 Kg bags bearing manufacture's name, batch No. & ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got issue in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the Contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the Contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.
- If Portland Pozzolana cement or Portland slag cement is used, suitable modification in deshuttering time etc. shall be done if need be as per specifications and standards and as directed by Engineer – in – charge and nothing extra shall be payable on this account.
- No extra payment / deduction shall be made from the payment to the contractor for using any of the above type of cement.
- 3.2 The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer - in - charge.
- 3.3 For each grade / type, cement bags shall be stored in two separate godowns, one for tested cement and the other for fresh cement (under testing) constructed by the contractor at site of work as per sketch shown in General conditions of contract for CPWD works 2020 with weather proof roofs and walls, for which no extra payment shall be made. The size of the cement godown is indicated in the sketch for guidance only. The actual size of godown shall be as per site requirements and as per the direction of the Engineer in charge and nothing extra shall be paid for the same. The decision of the Engineer-in-charge regarding the capacity required/needed will be final. However, the capacity of each godown shall not be less than 100 tonnes. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with CPWD Engineer-in-charge or his authorized representative and that of other lock with the contractor at the site of work so that the cement is issued from godown according to the daily requirement with the knowledge of both the parties. The account of daily receipt and issue of cement shall be maintained in a register in the prescribed Proforma and signed daily by the contractor or his authorized agent in token of its correctness.
- 3.4 The cement shall be got tested by Engineer –in –charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement

required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor / Department in the manner indicated below: -

- (a) By the contractor, if the results show that the cement does not conform to relevant BIS codes.
- (b) By the Department, if the results show that the cement conforms to relevant BIS codes.

3.4.1 All other charges of sampling, packing and transportation of sample shall also be borne by the contractors.

3.5 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained separately for each type of cement, as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 42 of the contract and shall be governed by conditions laid therein. However, for consumption lesser beyond permissible theoretical variation recovery shall be made in accordance with conditions of contract at Schedule A to F (CPWD-7), without prejudice to action for acceptance of work/item at reduced rate or rejection as the case may be. In case of excess consumption, no adjustment shall be made.

(i) Cement brought to site and cement remaining unused after completion of work shall not be removed from site without return permission of the Engineer-in-charge.

(ii) Damaged cement shall be removed from the site immediately by the contractor on receipt of notice in written. In case if he does not do within three days or receipt of same notice, the Engineer-in-charge shall get removed at the site of the contractor.

**3.6 Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.**

#### **4.0 CONDITIONS FOR REINFORCEMENT STEEL: -**

4.1 The contractor shall procure TMT bars of ~~Fe 415 / Fe 415D / Fe 500 / Fe 500D / Fe 550 / Fe 550D~~ grade from primary producers such as SAIL, Tata Steel Ltd., RINL, Jindal Steel & Power Ltd. and JSW Steel Ltd. or any other producer as approved by CPWD who are using iron ore as the basic raw material / input and having crude steel capacity of 2.0 Million tonnes per annum and above.

In case of non-availability of steel from primary producers, use of TMT reinforcement bars procured from secondary producers will be allowed subject to fulfillment of following conditions:

- a. The grade of the steel such as ~~Fe 415 / Fe 415D / Fe 500 / Fe 500D / Fe 550 / Fe 550D~~ or other grade to be procured is to be specified as per BIS: 1786 - 2008.
- b. The secondary producers must have valid BIS license to produce HSD bars conforming to IS 1786: 2008. In addition to BIS license, the secondary producer must have valid license from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo Quench to produce TMT Bars.
- c. The TMT bars procured from primary producers and ISPs shall conform to manufacture's specifications.
- d. The TMT bars procured from secondary producers shall conform to the specifications as laid down by Tempcore, Thermex, Evcon, Turbo and Turboquench as the case may be.
- e. TMT bars procured either from primary producers or secondary producers, the specifications shall meet the provisions of IS 1786: 2008 pertaining to ~~Fe 415 / Fe 415D / Fe 500 / Fe 500D / Fe 550 / Fe 550D~~ or other grade of steel as specified in the tender.

4.2 Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under para (c) & (d) above, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-Charge to do so.

In case contractor is permitted to use TMT reinforcement bars procured from secondary producers then:

(i) The base price of TMT reinforcement bars as stipulated under schedule 'F' shall be reduced by Rs. 6700/- MT. However, for operation of provisions of clause 10CA in such case, the indices for TMT reinforcement bars of secondary producers will be considered same as for primary producers.

(ii) The rate of providing & laying TMT reinforcement bars as quoted by the contractor in the tender shall also be reduced by Rs. 8.00 per kg.

- 4.3 The steel reinforcement bars shall be brought at site in bulk supply of 25 tonnes or more as decided by the Engineer in charge.
- 4.4 The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- 4.5 For checking nominal mass tensile strength bend test re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:

Dia of bar	For consignment below 100tonnes	For consignment above 100tonnes
Under 10 mm	One sample for each 25 tonnes or part thereof	One sample for each 40tonnes or part thereof
10 mm to 16mm	One sample for each 35 tonnes or part thereof	One sample for each 45tonnes or part thereof
Over 16mm	One sample for each 45 tonnes or part thereof	One sample for each 50tonnes or part thereof

- 4.6 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor.
- 4.7 All other charges of sampling, packing and transportation of sample shall also be borne by the Contractor.
- 4.8 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.
- 4.9 Steel brought to site and remaining unused shall not be removed from site without the written permission of Engineer-in-Charge.
- 4.9(i) Reinforcement including authorized spacer bars and lap pages shall be measured in length for different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimeter. Wastage and unauthorized overlaps shall not be measured.

(ii) The standard sectional weights referred to shall be as in Table 5.4 in para 5.3.4 in revised CPWD specifications 2009 Vol. I will be considered for conversion of length of various sizes of TMT bars in to standard weight.

(iii) Record of actual sectional weights shall also be kept dia wise and lot wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer in charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as Derived Actual Weight.

(a) If the derived weight as in sub-para (iii) above is less than the standard weight as in sub-para (ii) above, then the Derived Actual Weight shall be taken for payment.

(b) If the derived actual weight is found more than the standard weight, than standard weight as worked out in sub para (ii) above shall be taken for payment. Nothing shall be paid extra for the difference in Derived/ Actual Weight and standard weight.

The contractor has to obtain vouchers and furnish test certificate to the Engineer-in-charge in respect of all the lots of Steel brought by him from approved suppliers at the site of work.

- 4.10 Every care should be taken to avoid mixing different types of grades of bars in the same structural members as main reinforcement to satisfy relevant clause of IS: 456. In case of buildings, wherever the situation necessitates, the changeover shall be permitted only from any one level onwards. In case of foundations, all foundation elements (footings and grade beams) shall have the same kind of steel. In the case

of columns, all structural elements up to the level of change, where the changeover is taking place should have the same kind of steel as those in columns.

4.11 The reinforcing steel brought to site of work shall be stored on brick / timber platform of 30 / 40 - cm height, nothing extra shall be paid on this account.

## **5.0 SAFETY MEASURES AT CONSTRUCTION SITE**

In order to ensure safe construction, following shall be adhered for strict compliance at the site: -

- (i) The work site shall be properly barricaded.
- (ii) Adequate signage's indicating 'Work in Progress – Inconvenience caused is Regretted' or Diversion Signs shall be put on the sites conspicuously visible to the public even during night hours. These are extremely essential where works are carried out at public places in use by the public.
- (iii) The construction malba at site shall be regularly removed on daily basis.
- (iv) All field officials and the workers must be provided with safety helmets, safety shoes and safety belts.
- (v) Proper MS pipe scaffoldings with work – platforms and easy-access ladders shall be provided at site to avoid accidents.

Necessary First-Aid kit shall be available at the site.

The above provisions shall be followed in addition to the provisions of General Condition of Contract.

**6.0 SPECIFICATIONS FOR FLY ASH BRICKS** - All fly ash bricks as brought to the site shall conform to the strength & durability parameters as prescribed in the tender and CPWD specifications.

**7.0 The contractor shall submit 'Method Statement' for the approval soon after the award of work.** 'Method Statement' is a statement by which the construction procedures for important activities of construction are stated, checked and approved. Method Statement shall have description of the item with elaborate procedures in steps to implement the same. The specification of the materials involved their testing and acceptance criteria, equipments to be used, precautions to be taken, mode of measurements etc.

### **7.1 Formwork for exposed concrete surfaces: -**

7.1.1 Where it is specifically shown on the drawings to have original fair face finish of concrete surface without any rendering of plastering, formwork shall be carried put by using plywood on steel plates of approved quality.

7.1.2 The forms shall be constructed so as to produce a uniform and consistent texture and pattern on the face of the concrete. The formwork shall be placed so that all horizontals are constructed of lumber and are not paneled and the formwork joints shall be staggered.

7.1.3 To achieve a finish which shall be free of board marks, the formwork shall be faced with plywood or equivalent material in large sheets. The sheets shall be arranged in an approved pattern. Whenever possible, joints between sheets shall be arranged to coincide with architectural feature, sills, window heads or change in direction of surface. All joints between panels shall be vertical or horizontal unless otherwise directed. Suitable joints shall be approved between sheets. The joints shall be arranged and fitted so that no blemish or mark is imparted to the finished surfaces.

7.1.4 Forms for exposed concrete surfaces shall be constructed with grade strips (the underside of which indicate top of pour) at horizontal constructions joints, unless the use of groove strips is specified on the drawings. The reset forms shall be tightened against the concrete so that the forms will not be spread and permit abrupt irregularities or loss of mortar. Supplementary form ties shall be used as necessary to hold the reset forms tight against the concrete.

7.1.5 For fair faced concrete, the position of through bolts will be restricted and generally as indicated on the drawings.

7.1.6 Plywood and steel plates used in the formwork for obtaining exposed surfaces shall be got approved from Engineer-in-charge on each use. However, no forms will be allowed for reuse if it is doubtful to produce desired texture of exposed concrete.

7.1.7 Cement of only approved shade shall be used preferably of single lot to achieve integrity of texture.

**7.2 Class of Surface Finish: -**

7.2.1 For Beams & Slabs:

The finish shall be uniform, dense and smooth. no grout, no grain pattern, no crazing and no major blemishes shall be permitted. Abrupt irregularities not exceeding 3mm and gradual irregularities less than 5mm in 2m length only shall be permitted.

7.2.2 For Columns/Wall/Fins:

The finish shall be uniform and smooth leveling the surface of the compacted concrete shall be done with a screed board with power floating the surface and over that steel trowelling the surface under firm pressure characteristics of finish shall be brush marks < 3mm gradual irregularities less than 10mm in 2m.

**7.3 Tolerance in Finished Concrete: -**

The formwork shall be so made as to produce a finished concrete true to shape, lines, level, plumb and dimensions as shown in the drawings subject to the following tolerance unless otherwise specified in this specification or drawings.

**7.4 WALL/COLUMN/FINS:**

21.4.1 Variation from the plumb	± 6mm	Upto 3m height
21.4.2 Variation from the plumb of conspicuous liner	± 6mm	Upto 6m height
21.4.3 Variation in the size of wall openings	(+)15mm (-) 6mm	
21.4.4 Variation in parapet wall thickness		
(a) Upto 30cm thickness	± 6mm	

**7.5 SLAB, BEAM & GIRDER FORMS:**

21.5.1 Variation from the level or from the specified grid for beam soffit before removal of shores,

(a) In any 3m	± 6mm
(b) In any 6m	± 10mm

All the tolerances mentioned above shall apply to concrete dimensions only, and not to positioning of vertical steel or dowels. The tolerances given above are specified for local aberration in the finished concrete surface and should not be taken as tolerance for the entire structure taken as whole for the setting and alignment of formwork. Any error, within the above tolerance limits, or any other if noticed in any of the structure after part or portion stripping of forms, shall be corrected in the subsequent work to bring back the structure to its true line, level and alignment.

(SPECIMEN)

(Ref. para 3.3 of Particular Specifications and Special conditions)

**GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECT AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS**

The Agreement made this .....day of .....two thousand and ..... between .....son of .....of .....(hereinafter called the **Guarantor** of the one part) and the Executive Director, AIIMS Rishikesh (hereinafter called Government of the other part).

WHEREAS this agreement is supplementary to a contract (hereinafter called the Contract) dated ..... and made between the **GUARANTOR** of the one part and the Government of the other part, whereby the Contractor, inter alia, undertook to render the buildings and structures in the said contract recited completely water and leak – proof and properly repaired.

AND WHEREAS **GUARANTOR** agreed to give a guarantee to the effect that the said structures will remain water and leak-proof for five years from the date of giving of water proofing treatment.

NOW THE **GUARANTOR** hereby guarantees that water proofing treatment given by him will render the structures completely leak-proof and the minimum life of such water proofing treatment shall be five years to be reckoned from the date after the maintenance period prescribed in the contract.

Provided that the guarantor will not be responsible for leakage caused by earthquake or structural defects or misuse of roof/floor or alteration and for such purpose;

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

During this period of guarantee the **guarantor** shall make good all defects and in case of any defect being found, render the building water –proof/ courts properly repaired to the satisfaction of the Engineer-in-Charge at his cost, and shall commence the work for such rectification within fifteen days from the date of issue of the notice from the Engineer-in-Charge calling upon him to rectify the defects, failing which the work shall be got done by the Department by some other contractor at the **GUARANTOR'S** cost and risk. The decision of the Engineer-in-Charge as to the cost, payable by the **Guarantor** shall be final and binding.

That if **GUARANTOR** fails to execute the water proofing or commits breach thereunder then the **GUARANTOR** will indemnify the Principal and his successors against all loss, damage, cost, expense or otherwise which may be incurred by him by reason of any default on the part of the **GUARANTOR** in performance and observance of this supplementary agreement. As to the amount of loss and / or damage and / or cost incurred by the Government the decision of the Engineer – in – Charge will be final and binding on the parties.

IN WITNESS WHEREOF these presents have been executed by the Obligor ..... and by ..... and for and on behalf of the Executive Director, AIIMS Rishikesh on the day, month and year above written.

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

- 1. ....
- 2. ....

Signed for and on behalf of The Executive Director, AIIMS Rishikesh by .....in the presence of –

- 1. ....
- 2. ....

Rest of the terms and conditions will remain same as mentioned in NIT.

**(SPECIMEN)**  
**(Undertaking)**

I hereby agree to accept all the tender conditions. The rates quoted by me are inclusive of GST. I have provided the details of my firm below and declare that all the information is valid:

Name of firm and address: -

Firm type: -

Contact number:

Name of contact person: -

Email ID:

Authorized signature of contractor/Bidder with stamp -:

(SPECIMEN)  
(Undertaking)

I, ....., have visited and thoroughly inspected the site in detail. I hereby agree to carry out the work in a phased manner as required, ensuring minimal disruption to ongoing activities.

Name of firm and address: -

Firm type: -

Contact number:

Name of contact person: -

Email ID:

Authorized signature of contractor/Bidder with stamp -:

I/we certified that our firm

---

is not debarred/blacklist from any government department (Central/State) including autonomous bodies/department.

If it is found in future that the information given by me is not true then my bid is liable to be disqualified at any stage. And I will not claim any compensation and my PBG/Security deposit is liable to be forfeited and I may be debarred/blacklisted for some period or forever as decided by the competent authority. I will be solely responsible for such type of action.

Name of firm and address: -

Firm type: -

Contact number:

Name of contact person: -

Email ID:-

Authorized signature of contractor/Bidder with stamp:-

## LIST OF APPROVED MATERIALS (CIVIL)

Note :

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 attached in the tender, shall be used in the work.
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 than, 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.

<b>MATERIALS:</b>	<b>BRAND/MAKE</b>
1 AAC Block	Aerocon, Siporex, Ultratech, Ecolite, Concretite, J.K. Laxmi (Cement Ltd.), BILTECH, Kansal, Dlite Blocks
2 AAC Block Adhesive	Ferrous crete(Ferro-1188), ARDEX ENDURA (White Star), Ultratech (Fixed-Block)
3 Acrylic Distemper, Emulsion, Synthetic Enamel Paint and Primer.	Asian Paints, ICI Dulux, Berger, Nerolac
APP sheet	Fosrock, STP waterproofing, sika, BASF, ECMAS
4 Epoxy Adhesive	FOSROC, Aquomix , Choksey, BAL-ENDURA,MYK Laticrete
5 Aluminium Composite Panel	Alpolic, Aluco Bond, Reynobond, Euro bond, Alstrong
6 Aluminium Extrusions	Hindalco, Indalco, Jindal
7 Aluminium Sections	Jindal, Hindalco, Indalco
8 Annealed Float Glass	Saint Gobain, Modi Guard, Asahi
9 Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
10 Calcium Silicate Board / Tiles	Aerolite, Hilux, Starpan
11 CC Pavers / Grass Pavers	Nitco, Hindustan, Ultra, KJS Concrete, Duracrete, Mehtab Tiles, Kaptim
12 Centrifugally Cast Iron Pipe & Fittings	NECO, SKF, BIC, RIF, KAPILANSH, HIF
13 Ceramic Tiles	Kajaria, Nitco, Orient Bell, Johnson, RAK Ceramics, Somany
14 Chequered / Tactile Tiles	Dura, Eurocon, Modern, Hindistan, Johnson, Eavison
15 CI Manhole Cover	BIC, SKF, NICO, Hepco, Kapilansh, RIF
16 CI Double flanged non-return valves	Kirloskar, Sant, Kartar
17 CP fittings	Jaquar, Marc, Kohler, Grohe, hindware, cera
18 CPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS, Hindware
19 Curtain Carrier / Drapery Rod	Marvel, Vista levlor, Johnson.
20 Dash fastener, Expansion Bolt	Hilti, Bosch Fischer
21 Hydraulic Door closer, Floor springs	Dorma, Hettich, Hafele, Geze
22 Ductile Iron Pipe (Water Supply)	Electro steel, Kesso, KDUPL, Electro Spun
23 EPDM Gasket	Hanu, Anand, Lescuyer
24 GRC / Tactile Tile	Unistone, Eurocon, Dazzle
25 Epoxy Grouting Compound	Pidilite, Ferrous Crete(Ferro-102), MYK LATICRETE, Fosrock
26 Epoxy Primer & Paints	Berger, Pidilite, CICO, BASF, SIKA, Fosrock
27 Fire Check door	Navair, Godrej, Shakti
28 Float Glass Mirror	Modifloat, Saint Gobain, Asahi
29 Flush Doors (ISI Mark only)	Century, Kitlam, Archid, Greenply, Marino, Duro, Gujcon
30 Friction Stay	Earl-Bihari, Geze, Hettich, Securistyle
31 Galvanized/Stainless Steel Anchor Fasteners	Shakti, Arrow, Hilti, Fischer
32 GI Pipe & fittings	Tata, Zenith, Jindal, Prakash Surya, Swastik; (ISI Marked only)
33 GI Sheet	Sail, TATA, Jindal or equivalent
34 Gun Metal Gate Valve	Zoloto, Leader, SANT, Prima
35 Glass Mosaic Tile	Bisazza, Italia, Palladio, Mridul
36 Gypsum Board (False Ceiling)	Boral Gypsum, India Gypsum, St. Gobain
37 Hardener	Hardcrete of Snowcem India, Pidilite, CICO.
38 HDPE Pipes	VECTUS, Emco, Polyfins, Pioneer, Plyfab
39 Jet Assembly for EWC/Health Faucet	Parryware , Jaquar, Marc, PRIMA(ISI)
40 Kitchen loft tank	Sintex, Tirupati Structurals Ltd, KMS Plast world P.Ltd. Planet Plastics, Sri Kamakshi Traders, Sreyah Novel InC.
41 Laminate and Veneers	Merino, Greenlam, Kitlam, Duro
42 Locks / Latch	Godrej, Harrison, Dorma, Doorset (ISI)
43 Marine Plywood / BWP Ply	Duro, Century, Greenlam
44 Melamine Polish	Asian Paints, Pidilite, ICI Dulux, Burger
45 Metal False Ceiling	Nitobond, Armstrong, Trac, Durlum, Lafarge, Anutone
46 Mineral Fibre/ GRG Ceiling	Armstrong, Daiken, Anutone, Diamond, Credence
47 M.S. Pipe (Railing)	Jindal, Tata, RINL, Prakash Surya
48 M.S. Tubes	Tata, Apollo, Prakash Surya
49 Multicoat Synthetic Plaster/ Textured Exterior wall paint	Spectrum, Heritage, Ultratech
50 Plywood, Block Board	Greenply, Century, Duro
51 Polycarbonate Sheet	Danpalon (DPI), Bayer, Macrolux, Tilara, Indonite
52 Polysulphide / Silicon Sealent	Pidilite, Fosroc, Tuffseal, Chouksey Chemicals, Perma, BASF
53 POP (Plaster of paris)	JK, Laxmi, Sriram Nirman, Sakarni
54 PPR Pipes	SFMC, SAFE, Poiner Industries

55	Precast CC interlocking Tiles	Hindustan, Paver India, KK
56	Precoat Profile Sheet	Tata, Bhushan or equivalent
57	Pre-laminated Particle Board	Ecoboard, Action-Tesa, Duro, Century Ply, Greenlam, Albihari
58	Pressed steel door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Jangid Engineering Works, Jaipur, M/s Swastik Super Industries, Mohali, M/s SKS Steel Industries, New Delhi.
59	PTMT Fittings	Prayag, Polytuf, Pearl, Millennium, PRIMA
60	PVC Cistern	Steelbird, Jindal, Seabird, Prayag, Commander
61	PVC Connection Pipe	Supreme, Prince, Finolex
62	PVC Rain Water Pipe & Fitting	Finolax, Kisan, Kasta, Supreme, Astral, Prince
63	Ready Mix Concrete (RMC)	Lafarge, Alchon, L&T, Grasim, Ultratech, RMC India
64	Ready Mix plaster	Ultratech, Precisecon Chem, Perma, Ferrous Crete, JK, Fosrock,
65	PVC Shutter	Polygreen, Rajshri, Plastogreen, Sintex
66	PVC Water storage Tank (Only ISI)	VECTUS, Water well, Plasto, Polycon, Sintex. (Weight as per ISI)
67	Sluice Valve	Kirloskar, Venus, Kalpana, SANT, KARTAR, Zolto
68	Solid PVC frames and shutters	Polygreen, Rajshri, Plastogreen, Sintex
69	Stainless Steel	Jindal, Salem or equivalent
70	Stainless steel Sink with or without Draining board.	Nirali, Hindware, Frankee, Neelkanth, Jaquar
71	Stainless steel Door/Window fittings & Fixtures	Dorma, Ozone, D-Line, Hettich, Kich, Geze
72	Structural steel section	TATA, SAIL, RINL, Jindal
73	Super plasticizer / admixture	Sika, Fosroc, Chouksey Chemicals, BASF
74	Tensile Fabric	Bluestone, Encon, Structure Flex
75	Tile Adhesive	Ferrous Crete(Ferro-1122), Ardex Endura (Gold Star), PIDILITE (Fevimate XL), WEABR(Saint-Gobin) Sika, Thermoshield, Somany
76	Towel Ring/Towel Rod/Towel Rack	Marc, Jaquar, Kolher, Grohe
77	Tubular steel Window, ventilator, Door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Swastik Super Industries, Mohali (Punjab) M/s Jangid Engg. Jaipur
78	UPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS
79	Urinal, Washbasin, Orrisa Pattern W.C., Wall mounted European W.C.Seat with Cistern	Hindware, Parryware, Jaquar, Cera, Kolher, Grohe
80	Vitrified Tile	Johnson -Marbonite, Somany, Kajaria, Orient Bell, NITCO, RAK
81	Wall Putty	JK, BIRLA, SARAPUTTY
82	Waste Pipe	Kamal, Viking, Jaquar
83	Water Proofing Compound (Liquid)	Pidilite, Cico, Impermo
84	White Cement	JK White, Birla White, Grasim
85	Single Core Standard ISI marked FRLS PVC insulated copper conductor wire	Polycab/Finolex/Havells/Skytone
86	Turf flooring	Deco Turf USA ( ITF Approved)/Conica( ITF Approved)/ PFS Poland( ITF Approved)// Plexipave( ITF Approved)/ California USA( ITF Approved)
86	Armored Copper/Aluminum Conductor Cable	Polycab//Havells/Skytone
87	Modular Switch, Socket, stepped fan regulator, Tv antenna socket, RJ 45,Tiny Trip MCB and accessories	Carbtree (anthena)/Legrand (Mylic)/North west (Stylus plus + Convex)
88	Steel/PVC Conduit	NIC/BEC/AKG with ISI marked
89	Telephone/CAT-6 LAN cables	Delton/Finolex/Havells/Skytone/polycab/D-link
90	MCB/MCB DB Isolator/RCCB/Industrial Plug Socket and Box	ABB/Legrand/Schenieder (rupturing capacity not less than 10 KA) (MCB & DB shall be of same make)
91	MCCB	ABB/Siemens/Legrand/schenieder (Ics=Icu) (fourth pole shall be 100% current rated)
92	Ceiling Fan (BLDC)	Atomberg(Gorilla)/Orient (Falcon/Hector)/Havells (Efficiencia)/Crompton (Energion)
93	Exhaust Fan Heavy Duty	Bajaj/Crompton/Almonard/Havells
94	Exhaust Fan PVC Body	Bajaj/Crompton/Almonard/Havells
95	Heavy Duty Wall Fan(450mm)	Crompton(SSStrom2)/Havells(V3)/Orient(Tornado)
96	Wall Fan (300/400mm)	Crompton/Havells/Orient
97	MCCB/ Changeover; FP/TP/SP Load Bank Panel	Make as per installed
98	PVC Cable Management system	MK/Legrand
99	(34-42) watt 2 FT X 2 FT LED Recess/SurfaceLuminaires	Crompton (LCTLRNE-36-FO-CDL/LCTLSNE-36-FO-CDL) or equivalent make of Phillips/Havells/Wipro
100	20-22 Watt LED Batten Luminaries.	Wipro/Philips/ Havells/ Crompton.
101	24 Watt 1x1 feet LED fitting	Wipro (D812465) or equivalent make of Crompton/Phillips/Havells.
102	3//6/9/12/15/18 Watt LED Downlighter	Crompton/Havells/Wipro/Philips/Bajaj
103	LED Emergency Light	PMI/PWI
104	15/25/35/50/70 Ltrs Geyser	Havells (Monza EC) / Crompton/ Reacold/ Venus/ BAJAJ
105	48" /36"/24" Ceiling fan	Crompton/Havells/Bajaj
106	LED Floodlight(90/100/120/135/150Watt)	Crompton/Havells/Bajaj

107	On load Changeover Switch	HPL/ Havells/L&T
108	SMF Battery(7/12/17/18/26 AH)	Amar Raja/ Exide
109	Lead Acid Battery (180 AH)	Amar Raja Exide
110	Geysar Heating Element	Theeta/Ditz/TTE/Power Pack
111	Geysar Thermostat	Theeta/Ditz/Dimple/Elcon/AE
112	Condenser	Epcos/Tibcon
113	Ball Bearing of fans	Tata/SKF
114	Tile	Orientbell. Kajaria, somany,
115	False ceiling	Diamond, Aerolite, Armstrong, Hi-steel, Bollard
116	Cement PPC	Ultratech, Shree, Ambuja, JK super, ACC limited, Birla corporation Ltd, CCI,
117	TMT bar	SAIL, Tata, RVNL, Jindal, JSW, kamdhenu
118	Bath fitting	Hindware, cera, Jaquar, parryware, kohler, somany, Johnson, Roca
119	NP 2 pipe	Jain, SK

## Schedule of Quantity

**Name of work:** Annual Repair and Maintenance of Hospital Building at AIIMS Rishikesh

S.No	Item	Unit	Qty	Rate	Amount
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	10	2434.25	24342.50
2	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-incharge. All kinds of soil	cum	10	177.5	1775.00
3	Laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete. 300mm RCC dia pipe.	meter	20	3300.71	66014.20
4	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	100	131.75	13175.00
5	Laying old cement concrete 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	100	402.95	40295.00
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size)	cum	5	6518.6	32593.00
7	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	10	10117.6	101176.00
8	Excavating trenches of required width for pipes, cables,	meter	50	352.15	17607.50

	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 : Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia				
9	Repairing of CI pipe in 200mm diametre pipe by providng required lead complete to make it water proof complete as per instruction of engineer in charge	each	25	3500	87500.00
10	Repairing of CI pipe bt providing Djoint including cutting existing pipe, arranging CI pipe of required length complete as per instruction of engineer in charge	each	15	7500	112500.00
11	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	sqm	150	73.4	11010.00
12	Dismantling W.C. Pan/ EWC/washbasin/urinal of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-inCharge.	each	100	134.1	13410.00
13	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	each	100	367.2	36720.00
14	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved site or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	200	263.95	52790.00
15	20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand)	sqm	500	450	225000.00
16	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	sqm	150	141.2	21180.00
17	Providing and laying two coats of polymer modified cementitious waterproof flexible coating using base coat of cement slurry made with cement @ 1.75 kg/sqm and Acrocrete or equivalent(Acrylic based chemical ) @ 1.00 kg/sqm after cleaning the surface thoroughly free of all foreign particles such as laitance etc. and laying of fibre reinforced mesh synthetic(over laps of joints of fibre shall not be less than 10 cm ) and top protective layer of cement & slurry made with cement @ 1.58 kg/sqm and Acrocrete or equivalent (Acrylic based chemical) @ 0.83 kg/sqm and curing etc. complete as per the directions of Engineer-in-charge. (The surface area of roof shall be measured for payment. The work shall be carried out by the specialized agency having experience in polymer based water proofing work & specialized agency shall be got approved by the Engineer-in-charge before execution of	sqm	250	1338.96	334740.00

	work)				
18	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except 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 @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.	sqm	250	1439.4	359850.00
19	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 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 with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending	sqm	100	1902.95	190295.00
20	Providing and fixing to existing door frames. 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm ( $\pm$ 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wallthickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1mm ( $\pm$ 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm ( $\pm$ 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised	sqm	250	3253.8	813450.00

	M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm$ 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.				
21	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15 ) aluminium tubular handle bar	each	150	575.75	86362.50
22	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 : 300x10 mm	each	150	130.1	19515.00
23	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 : 300x16 mm	each	150	303.25	45487.50
24	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. 20 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes	meter	25	335	8375.00
25	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. Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	50	1123.8	56190.00
26	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 : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	15	10852.95	162794.25
27	Centering and shuttering including strutting, propping etc. and removal of form for Shelves (cast in situ)	sqm	100	927.25	92725.00
28	Steel reinforcement for R.C.C. work including straightening, cutting bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	sqm	200	107.85	21570.00
29	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. Granite work	510.95	200	510.95	102190.00
30	Providing and fixing floor mounted, white vitreous china single piece,double traps syphonic water closet of approved brand/make, shape,size and pattern including integrated white vitreous china cistern of capacity 10	each	50	18212.9	910645.00

	litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.				
31	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:White Vitreous china Orissa pattern W.C. pan of size580x440 mm with integral type foot rests	each	80	6767.4	541392.00
32	12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand)	sqm	100	333.35	33335.00
33	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	sqm	250	156.05	39012.50
34	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	1000	137.85	137850.00
35	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	each	100	798.95	79895.00
36	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15 mm nominal bore	each	20	574.3	11486.00
37	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	each	100	119.55	11955.00
38	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm,pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	meter	100	570.4	57040.00
39	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: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	80	2172.1	173768.00
40	Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length 15 mm nominal bore	each	100	97.75	9775.00
41	providing and fixing Flush pipe with union spreaders and clamps all in C.P. brass for double stall	each	50	425	21250.00

42	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	each	50	2093	104650.00
43	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	50	1124.85	56242.50
44	Providing and fixing uPVC SWR pipes conforming to IS:13592-92 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	meter	40	281.9672	11278.69
45	Providing and fixing uPVC SWR floor trap conforming to IS:13592-92 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, 110 mm dia	each	100	525.97	52597.00
46	Providing and fixing uPVC SWR Plain bend conforming to IS:13592-92 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, 110 mm dia	each	200	341.9672	68393.44
47	Providing and fixing uPVC SWR Plain tee conforming to IS:13592-92 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, 110 mm dia	each	200	10.358	2071.60
48	Providing and fixing of ceramic counter top was basin of approved make of size 505*435*175mm including making required opening in counter and finishing side by fillig material al complete as per instruction of engineer-in-charge.	each	20	31.358	627.16
49	Providing and fixing white vitreous china flat back urinal basin of 355x340x535mm size with urinal valve auto closing system and C.P. brass spreaders with brass unions and G.I clamps complete. including painting of fittings and brackets, cutting and making good the walls and floors wherever required	each	20	37.858	757.16
50	Providing ad fixing of CP brass single lever basin mixer of approved make and nominal bore 15 mm with 450mm long braided hoses all complete fitting as per instruction of engineer in charge.	each	50	373.4172	18670.86
51	Providing and fixing of CP coated shower hose of approved make as per instruction of engineer-in-charge.	each	100	6185.8	618580.00
52	Providing and fixing of CP coated wall mixture of approved make as per instruction of engineer-in-charge.	each	20	8800	176000.00
53	Supply and installation of health of 1 metre flexible hose pipe of CP coating including hook and all fixture complete as per instruction of engineer in charge	each	100	1225	122500.00
54	Repairing of CI pipe joint by providing required with lead complete to make it water proof complete as per instruction of engineer in charge	each	100	825	82500.00
55	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	250	226.25	56562.50

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. Polished Granite stone slab of all colour and texture except Black, Cherry/Ruby Red	sqm	100	3071.05	307105.00
57	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	each	150	349.15	52372.50
58	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	each	40	367.1	14684.00
59	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	each	15	14999.15	224987.25
60	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 32 mm nominal outer dia Pipes	meter	120	438.6	52632.00
61	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 50 mm nominal outer dia Pipes	meter	306	794.25	243040.50
62	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 50 mm dia nominal bore	meter	80	762.15	60972.00
63	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore.	each	25	689.6	17240.00
64	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore	each	20	826.1	16522.00
65	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	each	16	1026.65	16426.40
66	Providing and fixing brass stop cock of approved quality : 15 mm nominal bore	each	50	353.25	17662.50
67	Providing and fixing factory made uPVC door frame	meter	500	232.55	116275.00

	made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1\text{mm}$ ), with wall thickness 2.0 mm ( $\pm 0.2$ mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ( $\pm 0.1$ mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge. Extruded section profile size 48x40 mm				
68	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	500	516.6	258300.00
69	Repairing of CI pipe joint of 75/100mm pipe by using suitable mechanism and using lead all complete as per instruction of Engineer in charge	each	100	485	48500.00
70	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 direction of Engineer-in-Charge. With cement mortar 1:4 (1cement: 4 coarse sand)	sqm	500	560.5	280250.00
71	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 direction of Engineer-in-Charge. For door/ window/ clerestory window	sqm	50	1264.35	63217.50
72	Providing and fixing brass curtain rods of wall thickness 1.25 mm with two brass brackets fixed with brass screws and wooden plugs etc. wherever necessary complete. 25 mm diameter.	meter	100	421.75	42175.00
73	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at	sqm	600	338.25	202950.00

	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.				
74	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.	litre	20000	11	220000.00
75	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	each	20	433.75	8675.00
76	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : "1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	cum	20	7878.5	157570.00
77	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size)	cum	50	6518.6	325930.00
78	Centering and shuttering including strutting, propping etc. and removal of form for : Shelves (Cast in situ)	sqm	200	927.25	185450.00
79	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 : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	30	8583.4	257502.00
80	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	1000	107.85	107850.00
81	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	50	7370.65	368532.50
82	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:3 (1 cement : 3 coarse sand)	sqm	100	931.75	93175.00
83	Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade. 8mm thick (mirror polished and machine cut edge) Granite stone of any colour and shade	sqm	200	3094.55	618910.00
84	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete : 125x64x2.50mm	each	200	129.85	25970.00
85	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	each	100	1124.85	112485.00

	necessary accessories and screws etc. complete.				
86	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 : 150x10 mm	each	200	82.55	16510.00
87	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 : 250x10 mm	each	200	115.15	23030.00
88	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	1000	133.7	133700.00
89	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	kg	250	195.2	48800.00
90	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 @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of Tile 600x600 mm	sqm	250	1553.45	388362.50
91	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. Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	sqm	300	4481.3	1344390.00
92	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 110 mm diameter	meter	60	377.4	22644.00
93	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion Bend 87.5° 110 mm bend	each	25	150.35	3758.75

94	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 Shoe (Plain) 110 mm Shoe	each	10	131.85	1318.50
95	CEMENT PLASTER (IN COARSE SAND) 12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	sqm	200	357.35	71470.00
96	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)	sqm	200	411.75	82350.00
97	20 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	sqm	100	487.4	48740.00
98	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	2000	19.75	39500.00
99	Finishing walls with textured exterior paint of required shade : Old work (One or more coats) applied @ 1.82 ltr/10 sqm	sqm	200	109.1	21820.00
100	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: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	15	6767.4	101511.00
101	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	10	2434.25	24342.50
102	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. In cement mortar	cum	10	2060.2	20602.00
103	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board 510x1040 mm bowl depth 250 mm	each	20	6945.6	138912.00
104	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. 10 litre capacity - White	each	40	1190.65	47626.00
105	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	50	1607.95	80397.50
106	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter	each	60	222.35	13341.00
107	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 : 150 mm dia. R.C.C. pipe	meter	20	556.45	11129.00
108	Providing and fixing aluminium work for doors,	kg	500	539.85	269925.00

	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) : For fixed portion Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)				
109	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) Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	150	643.45	96517.50
110	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	sqm	250	1115.4	278850.00
111	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness	sqm	250	1505.25	376312.50
112	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	each	50	528.85	26442.50
113	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge Polyester powder coated minimum thickness 50 micron aluminium	each	300	112.15	33645.00
114	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. With stainless steel cover plate minimum 1.25 mm thickness	each	150	2823.85	423577.50
115	Providing and fixing 15 mm thick false ceiling tiles at all heights with integral densified calcium silicate	sqm	125	1781.2	222650.00

	reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level on the existing frame work consisting of T-sections and Lsections suitably fixed according to tile size as per direction of Engineer-in-charge.				
116	<p>Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: Structural analysis &amp; design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)- cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation &amp; drainage and protection against fire hazard including:</p> <p>(b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/ structural steel framework of building structure using stainless steel anchor fasteners/bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers. (c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.(d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight. (e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid,</p>	sqm	100	3510.5	351050.00

installation of glazed units, T&P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified. The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in-charge. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approve laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all theperformance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer- in-Charge.

Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this sub-head. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in sqm. up to two decimal places.

Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL(National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable separately.The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NABL accredited lab or any other accreditation body which operates in accordance with ISO/ IEC 17011 and accredits labs as per ISO/IEC 17025 1. Performance Laboratory Test for Air Leakage Test (-50pa to - 300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr

2. Static Water Penetration Test. (50pa to 1500pa) as per ASTM E- 331-09 testing method for a range up to 2000 ml.
3. Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01- 05 testing method for a range upto 2000 ml
4. Structural Performance Deflection and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTM E-330-10 testing method for a range upto 50 mm
5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test, Tests to be conducted on site.
6. Onsite Test for Water Leakage for a pressure range

	50 kpa to 240 kpa (35psi) upto 2000 ml				
117	<p>Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.25.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20%, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m<sup>2</sup> degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.</p>	sqm	100	3718.7	371870.00
118	<p>Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in- Charge. For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevent Item*)."(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m<sup>2</sup> K etc. . The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.</p>	sqm	100	2450.15	245015.00
119	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	1000	54.65	54650.00
120	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including	sqm	3000	19.75	59250.00

	necessary repairs to scratches etc. complete				
121	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	sqm	500	156.05	78025.00
122	Wall painting with premium acrylic emulsion paint of interior grade, 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. One Coat	sqm	2000	95.45	190900.00
123	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	500	120.75	60375.00
124	Providing 2 mm thick ,PVC Vinyl flooring RQ Restorable Quality with a single layer of PVC, total weight is 2800 gm/m <sup>2</sup> , PUR (polyurethane reinforced, Abrasion group T: ≤4.00 mm, residual indentation approx. 0.03 mm, castor wheel test qualified, dimensional stability ≤0.40%, static electrical charge < 2kv, impact sound reduction approx +4db, good resistance of scratch, slip, chemical and fire, doesn't favor in growth of fungi & bacteria. Clean Room class A certified. 100% recyclable. Low VOC emissions after 28days of installation (lower than ≤10µg/m <sup>3</sup> ). Phthalate Free of any colour and welding required at joints as per direction of Engineer-in-charge.	sqm	120	2537.93	304551.60
125	Providing and fixing of roller blind with necessary arrangement for fixing of blind complete (including Control unit, Idler, Head rail, Bottom rail, operating chain, Fixing brackets & clamps, roller tube etc as per site requirement and direction of engineer-in-charge.) and fabric with the following specifications: 1) Composition: 3 Ply PVC+1 Ply Fiber Glass Black out 2) Coating: 1 Ply Fiber Glass Blackout 3) Weight: 520Gsm 4) Fabric Width: as per window width 5) Tearing Strength: 64 N Warp, 57 N Weft 6) Thickness:0.36 mm 7) Environmental Certificate: Green Guard Certificate 8) Color: Desired color 9) Other Properties Anti Fungal & Anti Bacterial Fabric all complete of approved quality and make as per the Direction of Engineer in charge.	sqm	200	2257.19	451438.00
126	Providing & fixing Sun ray film, thickness 50 micron and rejects up to 71% of the sun's heat, glare reduction 96% made with a scratch-resistant coating & blocks harmful UV as per direction from Engineer-in-charge. (Based on item 8.30.1)	sqm	501.361	753.2	377625.11
127	Painting with synthetic enamel on IV stand/trolley and scrapping complete. IV stand/trolley to be cover with primer and putty complete to make the surface even and smooth before painting with approved brand of color as per direction of engineer-in-charge	each	500	215.4	107700.00
128	Painting with synthetic enamel on bed side locker and scrapping complete. Bed side locker to be cover with primer and putty complete to make the surface even and smooth before painting with approved brand of	each	500	330.38	165190.00

	color as per direction of engineer-in-charge.				
129	Providing and fixing 18mm thick BWP grade plyboard as per IS 710 of approved brand boxes,shelves,racks,almirah,cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer incharge	sqm	120	2250.52	270062.40
130	Providing & Fixing decorative high pressure laminated sheet of plain /wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1mm thick	sqm	240	897.3	215352.00
131	Providing and fixing 2mm thick 16 to 19mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per directions of Engineer- in-charge	meter	150	43.8	6570.00
132	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge	each	150	272	40800.00
133	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.	one set	200	885.1	177020.00
	<b>Total</b>				<b>19006446.87</b>