

HOMI BHABHA CENTRE FOR SCIENCE EDUCATION

Tata Institute of Fundamental Research

*National Centre of the Government of India for Nuclear Science & Mathematics
(A Deemed University)*

V. N. Purav Marg, Mankhurd, Mumbai – 400 088.

Telephone: 022-25072100/25580036

E-mail: purchase@hbcse.tifr.res.in

Website: www.hbcse.tifr.res.in



General Instructions for

**DESIGNING, PROVIDING & FIXING OF PROFILE ROOFING SHEETS
(SHED) OVER MAIN BUILDING TERRACE ,
AT HOMI BHABHA CENTRE FOR SCIENCE EDUCATION - TIFR,
V. N. PURAV ROAD, MANKHURD, MUMBAI – 400088.**

Date : 04/01/2024

(TENDER NO : HBC/P-S/LIMITED TENDER 05/2024)

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SECTION 1: NOTICE INVITING TENDER

Ref : HBC/P-S/LIMITED TENDER 05/2023/

January 04, 2024

Designing, Providing & Fixing of Profile Roofing Sheets (Shed) over Main building Terrace, at Homi Bhabha Centre for Science Education, TIFR, Mankhurd, Mumbai – 400088.	Rs. 23,03,478/- (incl. GST)
Earnest Money Deposit (EMD): Rs. 46,070/- (Rupees Fourty Six Thousand Seventy only) by way of Demand Draft in favour of “HBCSE” payable at Mumbai. Alternatively, this amount can be remitted by bank transfer. The details are as follows: HBCSE-TIFR Non Plan A/C, Account No.:1038019943 Bank Address: Central Bank of India Jigna Apartment, Sion-Trombay Road, Mankhurd, Mumbai – 400 088 IFSC Code: CBIN 0282523.	

Tender documents can be downloaded from HBCSE website: www.hbcse.tifr.res.in/tenders or <https://eprocure.gov.in/epublish/app>

Tender should reach us before or on **January 24, 2024 by 14.30 PM (BID DUE DATE)**

Tender (Technical bid only) will be opened on **January 24, 2024 at 15.30 PM.**

Tender (Financial bid only) will be opened on – **The date and time of opening of Financial bids will be conveyed to the Technically suitable bidders through Telephone or mail.**

Time of Work Completion: **Ninety (90) Days** after the date of issue of Work Order/ LOI/ PO

Bids under **TWO Bid (Technical & Financial) System** are invited on behalf of Centre Director, HBCSE Mumbai for award of contract for **Designing, Providing & Fixing of Profile Roofing Sheets over Main Building Terrace** at HBCSE. The details of the tender including the scope of work, technical specification, drawings (if necessary) etc. is given in this tender document. All the prospective bidders are requested to go through the tender document before submitting their bids.

Quotation sent by hand delivery/courier are to be deposited in the Tender Box kept at the Main Gate after obtaining stamp, date and signature of the Security Officer.

To assess the nature of job, bidder must visit the HBCSE site before bidding. Bidder may seek prior appointment for site visit. The contact person is Shri. P. C. Mhatre (Tel No. 25072306, Email: prasad@hbcse.tifr.res.in).
Tenders to be sent to:

Head, Administrative Operations

Homi Bhabha Centre for Science Education

V. N. Purav Marg, Near Anushakti Nagar Bus Depot, Mumbai – 400 088.

Bids sent by Fax/email shall be rejected straightway. The Centre reserves the right to accept/ reject the proposal either in part or in full without assigning any reasons.

**Head, Administrative Operations
For and on behalf of Centre Director, HBCSE**

SECTION 2: PRE-QUALIFICATION/ELIGIBILITY CRITERIA

Bidders are required to comply with the following eligibility criteria.

- a. Registration / empanelment with Government organizations like CPWD, MES, Railways, State PWDs etc. /Semi Government organizations, PSUs etc. / reputed private organizations in appropriate class and having experience in execution of similar nature of works.
 - b. The contractor should have **zonal office** in **Mumbai/ Navi Mumbai/ Thane and nearby areas**.
 - c. Annual turnover as per ITCC or profit & loss statement for the last 3 years. Average annual turnover for the last 3 financial years should be at least Rs. **23,03,478/-** not having incurred any loss in more than 2 years during last 5 years ending 31March,2023.
 - d. Experience of having successfully completed the following works (during last **Five** years ending 31 March,2023):
 - i. **One** similar order not less than Rs.**18,42,782/-**; Or
 - ii. **Two** similar works completed costing not less than Rs.**13,82,087/-** each; Or
 - iii. **Three** similar work completed costing not less than Rs.**9,21,391/-** each
- **Similar works** shall mean Fabrication of roof truss, designing, and execution, shed work etc. of BOQ mentioned magnitude of quantities of work. The quality & satisfactory performance of the submitted work will be verified by HBCSE technical team if required by inspecting the said work.
 - **Notes:**
 1. The above (Pre-qualification criteria) should be supported by relevant documentary evidence like copies of work orders and completion certificates issued by clients indicating the detailed scope of work covering the above aspects, value of work, completion/commissioning dates etc., in support of meeting all the qualification criteria given as above.
 2. The certificates submitted, as evidence of works executed for private organization should be accompanied with TDS certificates. These certificates in addition to the certificates issued by the organization shall form the basis for considering experience of work executed for private organization.
 3. Relaxation upto certain extent (in consideration to the works of similar nature if any has been performed in past and the quality of the work delivered) may be given in above prequalification criteria for firms registered under MSME/ NSIC the decision of Centre in this regard will be final and binding to all participating contractors.
 4. The offers of the Bidders not meeting the pre-qualifying requirements and not producing supportive documents are likely to be rejected.
 5. HBCSE reserves the right to verify the documents/ information submitted or where inspect the installation done. The bidder shall provide necessary facilities for this purpose.
 6. HBCSE reserves the right to verify the quality of performance of the vendor with outside (any Government, Semi-Government, Autonomous, PSU or any private) organization or/and past perfomace of vendor on projects at HBCSE and taking into consideration the same, the vendor may subject to be get disqualified without assigning any reasons thereof.
 7. Even though the Bidders meet the above qualifying criteria, they are subject to be disqualified if they have made misleading or false representations in the forms, statements and attachments submitted in proof of qualification requirements; and/or record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, in case of blacklisting by any PSU/Govt. body, or financial failures etc.

SECTION 3: INSTRUCTIONS TO BIDDERS

A) General Instructions:

1. The Prospective bidder shall carefully examine and understand the specifications/conditions of the tender document/RFP and seek clarifications in writing if required, to ensure that they have understood all specifications/conditions of tender. These clarifications should be sought before submission of bids. If no such clarifications are sought in writing, it will be taken that the Bidder has read, understood and accepted all the terms, conditions and specifications in the tender document.
2. The Bidder is required to submit a copy of this tender document, with all pages signed by the authorized person, to confirm that Bidder has read and understood the conditions of this tender document and that the proposal is submitted in full understanding and agreement of the requirements of HBCSE.
3. The Bidder shall bear all costs associated with the preparation and submission of the Bid, and HBCSE will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.
4. HBCSE reserves its rights to amend any of the terms and conditions of the tender document. All such changes can be made up to one week before the last date of submission of bid. The notice of such amendment will be published on HBCSE website only. No separate advertisement will be issued in the newspapers for such changes/Corrigenda. All the prospective bidders are therefore requested to regularly visit HBCSE website for any such updates.
5. The complete bid will be as per the specified formats only. The bids should be without alteration or erasures, except those to accord with instructions issued by the HBCSE or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
6. The bidder shall submit only one option, which is best suitable to meet HBCSE requirements. The bids submitted with more options shall be liable to be rejected.
7. The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and HBCSE, shall be in English only.
8. Wherever a specific form is prescribed in the Bid document, the Bidder shall use the form to provide relevant information. If the form does not provide space for any required information, space at the end of the form or additional sheets shall be used to convey the said information. For all other cases, the Bidder shall design a form to hold the required information.
9. The Bidder shall explicitly indicate the non-compliance or deviation of the Solution offered in the Proposal to all the terms, clauses, conditions and specifications stipulated in this document. If non-compliance or deviation for any term, clause, condition or specification is not explicitly indicated, it will be construed as compliance and if successful in the bid, the bidder is obligated to comply with all the requirements (excluding those non compliances explicitly accepted by HBCSE in writing).
10. Successful bidder shall perform all the obligations specified in accordance with the terms and conditions laid down in the tender document. All details provided by the Bidder should be specific to the requirements specified in this tender document. Detailed clarification may be provided by Bidder, if so desired by HBCSE. The Bidder shall specify the responsibilities of HBCSE, if any, separately for the successful implementation of the project.
11. **Bidder shall ensure that all documents are submitted with the Technical bid. The bid should contain the following documents:**
 - i. Copy of PAN (Permanent Account Number) card.
 - ii. Experience testimonials along with work orders and completion certificates.
 - iii. Certificate of Registration for GST and Income Tax and acknowledgement of up to date filed return if required.
 - iv. Copy of Aadhar Card of Owner/s of the firm.
 - v. Annexures as per attached format and subsequent necessary supporting documents.
 - vi. Supporting documents to verify satisfaction of Pre-qualification criteria such as Registration certificates, latest work orders with BOQ to identify the concerned work etc.
 - vii. EMD (Earnest Money Deposit) – In the form of Demand Draft as described in ‘point B)’ or if paid through bank transfer a **receipt of the same should be attached.**

B) Earnest Money Deposit (EMD): An earnest money for **Rs. 46,070/- i.e. 2%** of the total estimated cost has to be deposited in the form of Demand Draft, Bankers cheque or through online transfer through bank (Bank details to be provided on demand) in favour of '**Homi Bhabha Centre for Science Education' Mumbai** along with the Technical Bid (Part 'A'). After online transfer of earnest money, the vendor should intimate us by email or proof of online transfer of EMD should be part of tender. The firms registered under MSMEs can be exempted from submission of EMD as per rule 170 of GFR 2017, provided they must submit a '**Bid Securing Declaration**' in prescribed form as per '**Annexure X**'

EMD shall be interest free and it will be refunded to the unsuccessful bidders within 15 days after acceptance of Work Order by the awarded bidder without any interest. EMD will be forfeited if the bidder withdraws or amend impairs or derogates from the tender in any respect. **Kindly submit your bank details along with the tender like Cancelled Cheque/NEFT/Bank A/C details for ease in repayment of EMD.**

C) Performance Guarantee: The tenderer, whose tender is accepted, will be required to furnish a performance Guarantee of **5% of the Work Order** amount **within 7 (seven) working days** from the date of issue of Work Order. This Guarantee shall be in the form Demand Draft / Pay Order / Banker's cheque issued by a Scheduled Bank.

Non submission of Performance Guarantee may lead to the cancellation of Work Order without any time extension. The validity of the Performance Guarantee should be more than 60 days after the scheduled completion of project. It will be abiding to the contractor to extend the guarantee period further if the work gets delayed. The performance guarantee shall be returned to the contractor, without any interest, after recording of the completion certificate for the work by the competent authority and submission of final bill by the contractor as per the joint measurement within 60 days.

The Engineer-in-charge shall make a claim under the Performance guarantee for amounts to which the Centre Director, HBCSE entitled under the contract (notwithstanding and / or without prejudice to any other provisions in the contract agreement) in the event of: Failure by the contractor to pay Centre Director, HBCSE any amount due, either as agreed by the contractor or determined under any of the Clauses / Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-charge. In the event of the contract being determined under provisions of any of the relevant clauses of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Centre Director, HBCSE.

D) Security Deposit: The tenderer, whose tender is accepted, will also be required to furnish by way of Security Deposit for fulfillment of his contract, an amount equal to 2.5% of the tendered value of the work. For Successful tenderer the EMD shall be returned to the contractor, without any interest, after receiving of Performance Guarantee and for unsuccessful Tenderers EMD will be refunded after placing the order on successful tenderer. The successful tenderer shall permit HBCSE at the time of making any payment to him for work done under the contract to deduct a sum at the rate of **2.5% of the gross amount of each running bill**. The Security Deposit shall be released after the defect liability period of 12 months reckoned from the date of completion as certified by Engineer. All compensation or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be or may become due to the contractor by HBCSE or any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make good in cash or fixed deposit receipt tenderer by the State Bank of India or by scheduled bank (if deposited for more than 12 months) endorsed in favour of the Head Admin & Finance, HBCSE, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof.

E) Defect Liability period: Twelve (12) months from the satisfactory completion of work i.e. after issue of Final work completion certificate.

F) Acceptance of Tender: The competent authority, on behalf of Centre Director, HBCSE, Mumbai, does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all the tenders received, without assignment of any reason. All tenders, in which any of the prescribed condition is not fulfilled or any condition, including that of conditional rebates is put forth by the tenderer, shall be summarily rejected. The Competent Authority, on behalf of HBCSE, Mumbai 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 rates quoted. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest tender or any other tender.

G) Validity of Tender: The tender for the work shall remain open for acceptance for a period of **180 days** from the last date of submission of tenders. If any tenderer withdraws his tender before the said period, or before issue of Letter of Intent, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Department, then HBCSE, TIFR, Mumbai shall, without prejudice to any other right or

remedy, the tenderer shall not be allowed to participate in the retendering process of the work.

H) Levy / Taxes payable by contractor:

- a. GST @18% on materials and services in respect of this contract shall be payable by the contractor.
- b. The contractor shall deposit royalty and obtain necessary permit as required for supply of the sand, Aggregate, Stone etc. from local authorities.

I) Deduction of Income Tax: Income Tax will be deducted as per Section 194-C of Income Tax Act 1961 and a certificate for the amount recovered will be issued by the HBCSE Centre.

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

K) Signing of Tender and receipts for payments: In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of-attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act-1952. Receipts for payments made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.

L) Tenderer's responsibilities: The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice & all other contract documents, and has made himself aware of the scope & specifications of the work to be done and local conditions and factors having a bearing on the execution of the work. Water and electricity shall be provided for the work by HBCSE-TIFR free of charge.

M) Notification of amendments to the tender document: If the technical specification requires any modification, suitable amendment to this tender document will be issued and the same will form part of the tender document. Prospective bidders are advised to regularly visit the HBCSE web site or the CPP portal. Corrigendum/amendments etc., if any, will be notified only on the HBCSE web site/ CPP portal and no separate advertisement will be made for this.

N) Signing of contract: The Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of: The Notice Inviting Tender, all the documents including all conditions, specifications and drawings, if any, forms the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

O) Canvassing: either directly or indirectly, in connection with the tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection and may be barred from the future participation in HBCSE- TIFR works.

P) Time of Completion: The work should be completed within **Ninety (90) days** from the date of issue of the letter of Intent/Work Order.

Q) The terms 'Municipal Corporation, Electricity Boards etc. indicated in this tender shall also represent the 'Local statutory authority'/ 'State Govt.'/ 'Union Territory' etc., for works at different station.

SECTION 4: GENERAL RULES AND DIRECTIONS

1. **NIT & its contents:** All works proposed for execution by contractor will be notified in a form of invitation to tender pasted in public places and signed by the officer inviting tender or by publication in Newspapers as the case may be. This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited, and the amount of the security deposit and Performance guarantee to be deposited by the successful tenderer and the percentage, if any, to be deducted from the bills. Copies of the specifications, designs and drawings, schedule of quantities of the various descriptions of work and any other documents required in connection with the work signed for the purpose of identifications by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.
2. **Signing of Tender and receipts for payments:** In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of-attorney authorising him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act 1952. Receipts for payments made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.
3. **Filling-up of tender:** Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other condition of any sort, including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tenders shall have the name and number of the works to which they refer, written on the envelopes. It will be obligatory on the part of the tenderer to sign all the pages of tender documents affixing his stamp. The tenders are to be on the prescribed form of DAE. All rates shall be quoted on the proper form of the tender alone. All corrections shall be attested by the dated initials of the tenderer. Use of correcting fluid, anywhere in tender document is not permitted. Such tender is liable for rejection. If it is found that the tender is not submitted in proper manner or contains too much corrections and/or absurd rates or amount, it would be open for the Government to take suitable disciplinary action against the Contractor. Bids prepared by the tenderer shall contain all requisite information along with self-attested supporting documents as per details in Technical Bid-Part I

The Tender is consisting of two parts: **PART I- TECHNICAL BID & PART II- FINANCIAL BID**

The bigger envelope must be super scribed **Designing, Providing & Fixing of Profile Roofing Sheets over Main Building Terrace** The two envelopes inside the bigger envelope & must be super scribed as:

- i. **Outer Envelope: Name of the Work, Tenderer's name & address with signature & seal**
- ii. **Envelope No-1:** The said envelope is for technical bid & shall be super scribed as '**Designing, Providing & Fixing of Profile Roofing Sheets over Main Building Terrace, at HBCSE - Technical Bid**'.
- iii. **Envelope No-2:** The said envelope is for Financial bid & shall be super scribed as '**Designing, Providing & Fixing of Profile Roofing Sheets over Main Building Terrace, at HBCSE - Financial Bid**'

The tender must be placed in a properly sealed bigger envelope addressed to the '**Head Administrative Operations, Homi Bhabha Centre for Science Education, V. N. Purav Marg, Mankhurd, Mumbai – 400088**' and the said bigger envelope shall contain two sealed envelopes containing Technical & Financial bids.

4. **Opening of tenders:** The officer inviting tender or his/her duly authorised assistant will open the Technical bids first. In selecting technically suitable parties, the decision of HBCSE Scrutiny Committee will be final and binding to all the contractors. Financial bids of only those tenderers who qualify in the technical bid will be opened. Intimation will be sent to through email/telephone/letter those tenderers who qualify in the technical bid. No correspondence in this regard will be entertained. Further the Financial bids may be opened in the presence of any intending tenderers who may be present at the time, and will enter the amount of the several tenders in a Comparative Statement in a suitable form.

The firms whose bids meet all the technical & financial conditions will be deemed eligible for being awarded an contract. A Committee will shortlist the eligible bidders and determines the L1 bid from the eligible bids only. Any Financial bid which is considered highly unreasonable/ with unrealistic rates will be discarded and such bids will be considered deficient and rejected as ineligible post seeking justification from the respective bidder if found unsatisfactory.

5. **Declaration by tenderer:** The tenderers shall sign a declaration under the Official Secret Act-1923 for maintaining secrecy of the tender documents, drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
6. **Guidelines for quoting the rates:** All rates shall be quoted on the prescribed tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words, and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in word. In case of figures, the words "Rs." should be written before the figures of rupees and word "P" after the decimal figures, e.g. "Rs. 2.15 P". and in case of words, the word, "Rupees" should precede and the word "Paise" should be written at the end. Unless the rate is in whole rupees followed by the word 'only' it should invariably be upto two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line.
7. **Quoted rates to include all taxes (except GST):** Sales tax, VAT, Purchase tax or any other tax on materials in respect of this contract, including state Sales tax and Turnover tax on transfer of property as per Works Contract Act etc. if any, shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of the same. As per the directives of the Sales Tax Authorities, the tax due at the rates notified by the State Government from time to time, shall be deducted from the bills payable to the Contractors, for which TDS certificate shall be issued by the Department.
8. **Filling-up of Financial Bid:** Unless otherwise called for, any tender containing percentage below / above the estimated cost put to tender is liable to be rejected. All rates shall be quoted on the tender form by the tenderers in figures and words shall be accurately filled in, so that there is no discrepancy in the rates written in figures and in words. The amount for each item should be worked out and requisite totals given. However,
- i) The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.
 - ii) If a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall, unless otherwise proved, be taken as correct.
 - iii) If the amount of an item is not worked out by the tenderer, or it does not correspond with the rate written either in figures or in words, then the rates quoted by the tenderer in words shall be taken as correct.
 - iv) Where the rate quoted by the tenderer in figures and in words tally but the amount is not worked out correctly, the rate quoted by the tenderer will, unless otherwise proved, be taken as correct and not the amount.
 - v) In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this / these item(s) in other items and rate for such item(s) will be considered as **zero** and work will be required to be executed accordingly.
9. **Action in case of un realistic rates:** In the case of any tender where unit rate of any item (s) appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.
10. **Contractor to depute his representative at site:** The successful tenderer for the work should have responsible and responsive officer with adequate powers to take speedy decisions during the entire period of execution at the Work place. On acceptance of the tender, the name of the accredited representative(s) of the contractor, who would be responsible for taking instructions from the Engineer-in-Charge, shall be communicated in writing to the Engineer-in-Charge.
11. **Witnessing of a tender:** The tender for the work shall not be witnessed by a contractor or contractors, who himself / themselves has / have tendered or who may and has / have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.
12. **List of works in hand:** The contractor shall submit list of works which are in hand / in progress in the form as per Annexure VI.

SECTION 5: CONDITIONS OF CONTRACT

A. DEFINITIONS:

1. The **'Contract'** means the documents forming the tender and acceptance thereof and the formal agreement executed between the Competent authority on behalf of the Centre Director, HBCSE and the Contractor together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
2. In the contract the following expression shall, unless the context otherwise requires, have the meanings hereby respectively assigned to them.
 - i) The expression **'Works'** or **'Work'** shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent and whether original, altered, substituted or additional.
 - ii) The **'Site'** shall mean the land or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
 - iii) The **'Contractor'** shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personnel representative of such individual or the persons composing such firm or company or the successors of such firm or company and the permitted assignees of such individual, firm or company.
 - iv) The **'Engineer-in-Charge'** means the Engineer / Officer, who shall supervise and be in charge of the work
 - v) **'Centre/ Institute/ Department'** shall mean the HBCSE-TIFR.
 - vi) **'Temporary Work'** means all temporary works of every kind required in or about the execution, completion and maintenance of the works.
 - vii) **'Accepting authority'** shall mean the Head, Admin. & Finance officer, HBCSE-TIFR.
 - viii) **Expected Risk** are risks due to riots (other than those on account of contractor's employees), war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion revolution, insurrection, military or usurped power, any acts of Government, damages from aircraft, acts of God, such as earthquake, lightening and unprecedented floods, and other causes over which the contractor has no control and accepted as such by the Accepting Authority or causes solely due to use or occupation by Government of the part of the works in respect of which a certificate of completion has been issued or a cause solely due to Government's faulty design of works.
 - ix) **Market Rate** shall be the rate as decided by the Engineer-in-Charge on the basis of the cost of materials and labour at the site where the work is to be executed plus the percentage to cover, all overheads and profits.
 - x) **Schedule(s)** referred to in these conditions shall mean the relevant schedule(s) annexed to the tender papers.
 - xi) **Tendered value** means the value of the entire work as stipulated in the letter of award.

B. Works to be Carried out: The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognised principles.

C. Sufficiency of Tender: The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

- a. If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.
- b. Any error in description, quantity or rate in Schedule of Quantities or any omission therefrom shall not vitiate the contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract. the works.

D. Signing of Contract: The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of complete tender document including conditions, bill of quantities, drawings, if any, and acceptance thereof together with any correspondence leading thereto No payment for the work done will be made unless contract is signed by the contractor.

SECTION 6: GENERAL CLAUSES OF CONTRACT

- 1. Compensation for delay:** If the contractor fails to maintain the required progress in terms of contract or to complete the work and clear the site on or before the stipulated or extended date of completion, he shall, without prejudice to any other right or remedy available under the Law to the Govt. on account of such breach, pay as agreed compensation the amount calculated at **1.5% per month of delay to be computed on per day basis** on the amount of tendered value of the work for every completed day/month(as applicable) that the progress remains below that specified or that the work remains incomplete. Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the tendered value of work or of the tendered value of the item or group of items of work for which a separate period of completion is originally given.
- 2. Determination of contract:** Subject to other provisions contained in this clause, the Engineer-in-Charge may, without prejudice to his any other right or remedy against the contractor in respect of any delay, inferior workmanship, any claim for damages and /or any other provisions of this contract or otherwise, and whether the date for completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:
 - i. If the contractor having been given by the Engineer-in-Charge a notice in writing to rectify, reconstructor replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkman-like manner shall omit to comply with the requirements of such notice for a period of 7 days thereafter.
 - ii. If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Engineer-in-Charge (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continue to do so after a notice in writing of 7 days from the Engineer-in-Charge.
 - iii. If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-Charge.
 - iv. If the contractor persistently neglects to carry out his obligations under the contract and / or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge.
 - v. If the contractor shall offer or give or agree to give to any person in HBCSE- TIFR or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for HBCSE-TIFR.
 - vi. If the contractor shall obtain a contract elsewhere as a result of wrong tendering or other non-bonafide methods of competitive tendering.
 - vii. If the contractor assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Engineer-in-Charge. When the contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-Charge on behalf of the Centre Director, HBCSE shall have powers:
 - a. To determine the contract as aforesaid (of which termination notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence) upon such determination, the Security Deposit already recovered and Performance Guarantee under the contract, shall be liable to be forfeited, and shall be absolutely at the disposal of HBCSE-TIFR.
 - b. After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof, as shall be unexecuted out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined as above, shall not be allowed to participate in the tendering process for the balance work.
 - viii. In the event of above courses being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provisions aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Engineer-in-Charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

3. Contractor liable to pay compensation even if contract is not determined: In any case in which any of the powers conferred upon the Engineer-in-Charge under the contract, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the contractor), use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof, belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work / or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being applicable, at current market rates to be certified by the Engineer-in-Charge, whose certificate thereof shall be final and binding on the contractor, his clerk of the works, foreman or other authorised agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice); in the event of the contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and at his risk in all respects and the certificate of the Engineer-in-Charge as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

4. Time Extension for delay: The time allowed for execution of the works as stipulated in the contract or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in contract. If the Contractor commits default in commencing the execution of the work as aforesaid, HBCSE-TIFR shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the performance guarantee absolutely. As soon as possible after the Contract is signed, the Contractor shall submit a Time and Progress Chart for each mile stone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and maybe amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) to complete the work as per the mile stones given.

If the work(s) be delayed by:

- a. Force majeure, or
- b. Abnormally bad weather, or
- c. Serious loss or damage by fire, or
- d. Civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or
- e. Delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in executing work not forming part of the Contract, or
- f. Non-availability of stores, which are the responsibility of HBCSE-TIFR to supplier.
- g. Non-availability or break down of tools and plant to be supplied or supplied by HBCSE- TIFR or
- h. Any other cause which, in the absolute discretion of the Engineer-in-Charge is beyond the Contractor's control, then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.

Request for rescheduling of Mile stones and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within 14 days of the happening of the event causing delay on the prescribed form. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired. In any such case the Engineer-in-Charge may give a fair and reasonable extension of time and reschedule the mile stones for completion of work. Such extension shall be communicated to the Contractor by the Engineer-in-Charge in writing, within 3 months of the date of receipt of such request. Non application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Engineer-in-Charge and this shall be binding on the contractor.

5. Rate quotation for Basic rates items: The bidders should quote for the items with Basic rates specified in BOQ, considering the rate of material only equal to the specified Basic rate. The contractor must submit the original tax invoices of material purchase of approved make and specifications by EIC. Any addition or subtraction in material rates and in corresponding quoted rates will be made accordingly for the payment of those items. The decision of Engineer-In-Charge will be final in all respect.

6. Measurements and Payments of work done:

a) All measurements and levels shall be taken jointly by the Engineer- in- Charge or his authorized representative and by the contractor or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by the Engineer- in- Charge and the contractor or their representatives in token of their acceptance. If the contractor or his authorized representative does not remain present at the time of such measurements after the contractor or his authorized representative has been given a notice in writing three (3) days in advance or fails to countersign or to record objection within a week from the date of the measurement, then such measurements recorded in his absence by the Engineer-in-Charge or his representative shall be deemed to be accepted by the Contractor.

The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for measurements and recording levels. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available, then a mutually agreed method shall be followed. The contractor shall give, not less than 7 days' notice to the Engineer-in-Charge or his authorized representative in-charge of the work, before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Engineer-in-Charge or his authorized representative in-charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice having been given or the Engineer-in-Charge's consent being obtained in writing, the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

It is also a term of this contract that recording of measurements of any item of work in the measurement book and/or its payment in the interim, on account or final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.

b) **Payments:** No payment shall be made for work estimated to cost Rs. 20,000/- or less till after whole of the work shall have been completed and completion of certification given. For works estimated to cost over Rs. 20,000/- the interim or running account bill shall be submitted by the contractor for the work executed on the basis of such recorded measurement on the format of the Department in triplicate on or before the date of every month fixed for the same by the Engineer-in-charge. The contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than Rs 1,00,000/- in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved. Engineer in-charge shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurement of the work. In the event of the failure of the contractor to submit the bills, Engineer-In- charge shall prepare or cause to be prepared such bills in which event no claims whatsoever due to delays on payment including that of interest shall be payable to the contractor. Payment on account of admissible shall be made by Engineer-In-Charge certifying the sum to which the contractor is considered entitled by way of interim payment at such rates as decided by the Engineer-in-charge. The amount admissible shall be paid by 15th working day after the day of presentation of the bill by the contractor to the Engineer in charge or his representative together with the account of the material issued by the department or dismantled material if any. In the case of work outside the headquarters of the Engineer in-charge, the period of **15-20 working days** will be extended to **30 working days**.

7. Completion Certificate: Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in- Charge and within fifteen days of the receipt of such notice, the Engineer-in-Charge shall inspect the work, and if there is no defect in the work, shall furnish the contractor with a certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and / or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed, all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements, required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floors or other parts of the building, in, upon, or about which the work is to be executed

or of which he may have had possession for the purpose of the execution thereof, and not until the work shall have been measured by the Engineer-in-Charge. If the contractor shall fail to comply with the requirements of this clause before the date fixed for the completion of the work, the Engineer-in-Charge may at the expense of the contractor remove such scaffolding, surplus materials and rubbish, etc., and dispose off the same as he thinks fit and clean off such dirt as aforesaid; and the contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realised by the sale thereof.

- 8. Contractor to keep site clean:** When the works are carried out, the splashes and droppings from white washing, color washing, painting etc. on wall, floors, doors, windows etc. shall be removed and the surface cleaned simultaneously with the completion of these items of work in the individual rooms, quarters or premises etc. where the work is done without waiting for the actual completion of all the other items of work in contract. Carting away of the debris/ wastage and its disposal at appropriate location on approval of Municipal Authorities will be the responsibility of the vendor itself. No matters in this regard will be entertained by HBCSE. In case the contractor fails to comply with the requirements of this clause, the Engineer-in-Charge shall have the right to get this work done at the cost of the contractor either departmentally or through any other agency. Before taking such action, the Engineer-in-Charge shall give **10 days'** notice in writing to the contractor.
- 9. Payment of Final Bill:** The final bill shall be submitted by the contractor in the same manner as specified in interim bills within two months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, will, as far as possible be made within the period specified hereinunder, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his authorized representative, complete with account of materials issued by the Department and dismantled materials.
- a. If the Tendered value of work is upto Rs. 15 lakhs, within 1 month
 - b. If the Tendered value of work is more than Rs. 15 lakhs, within 3 months
- 10. Materials to be provided by the contractor:** The contractor shall, at his own expense, provide all materials, required for the works other than those specified otherwise. The contractor shall, at his own expense and without delay, supply to the Engineer-in-Charge **samples of materials** to be used on the work and shall get these **approved in advance**. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the contract. The contractor shall, if requested by the Engineer-in-Charge furnish proof, to the satisfaction of the Engineer-in-Charge that the materials so comply. The Engineer-in-Charge shall within thirty days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-Charge for his approval, fresh samples complying with the specifications laid down in the contract. When materials are required to be tested in accordance with specifications, approval of the Engineer-in-Charge shall be issued after the test results are received.

The Contractor shall at his risk and cost submit the samples of materials to be tested or analyzed and shall not make use of or incorporate in the work by any materials represented the samples until the required tests or analysis have been made and materials finally accepted by the Engineer-in-Charge. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials. The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer-in-Charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Engineer-in-Charge or his authorized representative shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the contractor shall afford every facility and every assistance in obtaining the right to such access.

The Engineer-in-Charge shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default, the Engineer-in-Charge shall be at liberty to employ at the expense of the contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Engineer-in-Charge shall also have full powers to require other proper materials to be substituted thereof and in case of default, the Engineer-in-Charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor. The contractor shall at his own expense, provide a material testing lab at the site for conducting routine field tests. The lab shall be equipped at least with the testing equipment as specified in the contract.

11. Excavated / Dismantled material will be HBCSE-TIFR's property: The contractor shall treat all Materials obtained during dismantling of a structure, of the site for a work etc. as HBCSE- TIFR property and such materials shall be disposed off to the best advantage of HBCSE-TIFR according to the instructions in writing issued by the Engineer-in-Charge.

12. Work to be executed in accordance with specifications, drawings, orders, etc.: The contractor shall execute the whole and every part of the work in the most substantial and workman like manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the designs, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge. The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale. The following order of preference shall be observed:

- a. Description of Bill of Quantities.
- b. Particular Specifications and Special Clauses, if any.
- c. Drawings.
- d. Department of Atomic Energy Specifications
- e. C.P.W.D. Specifications.
- f. Indian Standard Specifications of B.I.S.
- g. Manufacturer's specifications

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction. The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

13. Deviations / Variations : Extent And Pricing: The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

a. Deviation and Time Extension: The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, will be extended, if requested by the contractor, as follows:

- i. In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value, plus
- ii. 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge.

b. Extra Items and Pricing: In the case of extra item(s) which cannot be determined under the schedule of quantities, the contractor may within fifteen days of receipt of order or occurrence of the item(s), claim rates, supported by proper analysis, for the work and the engineer-in-charge shall within one month of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined. In the case of substituted items, the rate for the agreement items (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following para:

c. Substituted Items and Pricing:

- i. If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted) the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

- ii. If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted) the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

14. Foreclosure of contract due to abandonment or reduction in scope of work: If at any time after acceptance of the tender, HBCSE-TIFR shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the Engineer-in-charge shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

The contractor shall be paid at contract rates full amount for works executed at site and in addition, a reasonable amount as certified by the Engineer-in-charge for the items hereunder mentioned which could not be utilized on the work to the full extent in view of the foreclosure.

- a. Any expenditure incurred on preliminary site work, e.g. temporary access roads, temporary labour huts, staff quarters and site office, storage accommodation and water storage tanks.
- b. HBCSE-TIFR shall have the option to take over contractor's materials or any part thereof either brought to site or of which the contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work) provided however, HBCSE-TIFR shall be bound to take over the materials or such portions thereof as the contractor does not desire to retain. For materials taken over or to be taken over by HBCSE-TIFR, cost of such materials as detailed by Engineer-in-charge shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the contractor.
- c. If any materials supplied by HBCSE-TIFR are rendered surplus, the same except normal wastage shall be returned by the contractor to HBCSE-TIFR at rates not exceeding those at which these were originally issued less allowance for any deterioration or damage which may have been caused whilst the materials were in the custody of the contractor. In addition, cost of transporting such materials from site to HBCSE-TIFR stores, if so required by HBCSE-TIFR, shall be paid.
- d. Reasonable compensation for transfer of T & P from site to contractor's permanent stores or to his other works, whichever is less. If T & P are not transported to either of the said places, no cost of transportation shall be payable.
- e. Reasonable compensation for repatriation of contractor's site staff and imported labour to the extent necessary. The contractor shall, if required by the Engineer-in-charge furnish to him books of account, wage books, time sheets and other relevant documents and evidence as may be necessary to enable him to certify the reasonable amount payable under this condition. The reasonable amount of items on (i), (iv) and (v) above shall not be in excess of 2% of the cost of the work remaining incomplete on the date of closure, i.e. total stipulated cost of the work as per accepted tender less the cost of work actually executed under the contract and less the cost of contractor's materials at site taken over by HBCSE-TIFR as per item (ii) above. Provided always that against any payments due to the contractor on this account or otherwise, the Engineer-in-charge shall be entitled to recover or be credited with any outstanding balances due from the contractor for advance paid in respect of any tool, plants and materials and any other sums which at the date of termination were recoverable by HBCSE-TIFR from the contractor under the terms of the contract.

15. Suspension of work:

- a. The contractor shall, on receipt of the order in writing of the Engineer-in-Charge, (whose decision shall be final and binding on the contractor) suspend the progress of the works or any part thereof for such time and in such manner as the Engineer-in-Charge may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of the following reasons:
 - i. On account of any default on the part of the contractor or;
 - ii. For proper execution of the works or part thereof for reasons other than the default of the contractor; or
 - iii. For safety of the works or part thereof.

The contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the Engineer-in-Charge.

- b. If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:
 - i. The contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the contract and of which the suspended work forms a part, and;

- ii. If the works or part thereof is suspended on the orders of the Engineer-in-Charge for more than three months at a time, except when suspension is ordered for reason (a) in sub-para (i) above, the contractor may after receipt of such order serve a written notice on the Engineer-in-Charge requiring permission within fifteen days from receipt by the Engineer-in-Charge of the said notice, to proceed with the work or part thereof in regard to which progress has been suspended and if such permission is not granted within that time, the contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by HBCSE- TIFR or where it affects whole of the works, as an abandonment of the works by HBCSE-TIFR, shall within ten days of expiry of such period of 15 days give notice in writing of his intention to the Engineer-in-Charge. In the event of the contractor treating the suspension as an abandonment of the contract by HBCSE-TIFR, he shall have no claim to payment of any compensation on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment. He shall, however, be entitled to such compensation, as the Engineer-in- Charge may consider reasonable, in respect of salaries and/or wages paid by him to his employees and labour at site, remaining idle in consequence adding to the total thereof 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge within 30 days of the expiry of the period of 3 months.

16. Action in case of work not done as per specifications:

All works under or in course of execution or executed in pursuance of the contract, shall at all times be open and accessible to the inspection and supervision of the Engineer-in-charge, his authorised subordinates in charge of the work and all the superior officers of the Department or any organization engaged by the Department for Quality Assurance and of the Chief Technical Examiner's Office, and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

If it shall appear to the Engineer-in-charge or his authorised subordinates in-charge of the work or his subordinate officers or the officers of the organization engaged by the Department for Quality Assurance or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand in writing which shall be made within twelve months (six months in the case of work costing Rs. 10 Lakh and below except road work) of the completion of the work from the Engineer-in-Charge specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the failing to do so within a period specified by the Engineer-in-Charge in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under clause III (1) of the contract (for non-completion of the work in time) for this default in such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates. Decision of the Engineer-in- Charge to be conveyed in writing in respect of the same will be final and binding on the contractor.

- 17. Contractor liable for damages, defects during Maintenance (Defect Liability Period):** If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part of it is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within **12 months** after a certificate final or otherwise of its completion shall have been given by the Engineer- in-Charge as aforesaid arising out of defective or improper materials or workmanship, the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense, or in default, the Engineer- in- Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be due, or at any time thereafter may become due to the contractor, or from his security deposit, or the proceeds of sale thereof or of a sufficient portion thereof.

The security deposit of the contractor shall not be refunded before the expiry of **12 months** after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later. Provided that in the case of road work, if in the opinion of the Engineer-in-Charge, half of the security deposit is sufficient to meet all the liabilities of the contractor under this contract, the security deposit will be refundable after **12 months** of the issue of the said certificate of completion or till the final bill has been prepared and passed whichever is later. Performance guarantee shall be refunded to the contractor after completion of the work and recording the completion certificate.

18. Contractor to supply tools & plants etc.: The contractor shall provide at his own cost all materials (except such special materials, if any, as may in accordance with the contract be supplied from the Engineer-in-Charge's stores), machinery, tools & plants. In addition to this, appliances, implements, other plants, ladders, cordage, tackle, scaffoldings and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specification or other documents forming part of the contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge as to any matters to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work.

The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting in the measurement or examination at any time and from time to time of the work or materials. Failing his so doing, the same may be provided by the Engineer-in-Charge at the expense of the contractor and the expenses may be deducted, from any money due to the contractor, under the contract and/or from his security deposit or the proceeds of sale thereof, or of a sufficient portion thereof.

19. Lump sum provision in tender: When the estimate on which a tender is made include lump sums in respect of parts of the work, the contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates, as are payable under this contract for such items, or if the part of the work in question is not, in the opinion of the Engineer-in-Charge payable of measurement, the Engineer-in-Charge may at his discretion pay the lump sum amount entered in the estimate, and the certificate in writing of the Engineer-in-Charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provisions of the clause.

20. Recovery of compensation paid to workmen: In every case in which by virtue of the provisions of section 12 sub-section (1) of the Workmen's Compensation Act, 1923, HBCSE- TIFR is obliged to pay compensation to a workman employed by the contractor, in execution of the works, HBCSE-TIFR will recover from the contractor the amount of the compensation so paid; and, without prejudice to the rights of HBCSE-TIFR under Section 12, sub-section (2) of the said Act, HBCSE shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by HBCSE to the contractor whether under this contract or otherwise. HBCSE shall not be bound to contest any claim made against it under section 12, sub-section (1) of the said Act, except on the written request of the contractor and upon his giving to HBCSE full security for all costs for which HBCSE might become liable in consequence of contesting such claim.

21. Ensuring payment and amenities to workers if contractor fails: In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and of the contract labour (Regulation and Abolition) Central Rules, 1971, HBCSE is obliged to pay any amounts of wages to a workman employed by the contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the Rules, under Clause 19 H or under the DAE Contractor's Labour Regulations, or under the rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by Department of Atomic Energy contractors, HBCSE will recover from the contractor the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of TIFR under Section 20, sub-section (2) and Section 21, sub-section (4) of the contract labour (Regulation and Abolition) Act, 1970, HBCSE shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by HBCSE to the contractor whether under this agreement or otherwise. HBCSE shall not be bound to contest any claim made against it under Section 20, subsection (1) and section 21, sub-section (4) of the said Act, except on the written request of the contractor and upon his giving to HBCSE full security for all costs for which HBCSE might become liable in contesting such claim.

22. Termination of contract in case of death: Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Engineer-in-Charge on behalf of the Centre Director, HBCSE shall have the option of terminating the contract without compensation to the contractor.

23. Labour laws to be complied by the contractor: The contractor shall obtain a valid license under the Contract Labour (R & A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provision of the Child Labour Prohibition & Regulation Act-1998. The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non execution of the work.

24. Minimum wages act to be compiled with: The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act, 1970 and rules framed thereunder and other labour laws affecting contract labour that may be brought into force from time to time.

25. Settlement of Disputes & Arbitration: Any dispute arising from this contract will be referred to two arbitrators one to be appointed by you and one by us. The two arbitrators, in the event of their disagreement will appoint an Umpire. The decision of the Umpire shall be final and binding. The arbitration will proceed as per Indian Arbitration Act, 1940, as amended up to date. Mumbai city will be the jurisdiction for the settlement of all court/ arbitration and related matters.

26. Confidential Information: The drawings, specifications, proto-type, samples and such other information furnished to the contractor relating to the supply / work, sub-systems / equipment etc. are to be treated as confidential which shall be held by the contractor in confidence and shall not be divulged to any third party without the prior written consent of the Department. The contractor, therefore, binds himself, his successors, heirs, executors, administrators, employees and the permitted assignees or such other persons or agents directly or indirectly concerned with the work / supply to the confidential nature of the drawings, specifications, proto-type samples etc. It is a further condition of the contract that the contractor shall not, without prior written permission from the Department, transmit, transfer, exchange, and gift or communicate any such confidential information, and also the component, sub assembly, products, by-products

27. Safety with Scaffolding: Every scaffold and its supporting members, railings, Tee-boards, ropes should be designed to support given load, with a safety factor of at least four. No alterations should be made that might impair the strength of such structures; no improvised, make-shift or substandard scaffold should be permitted even for the most temporary use. All work in connection with such structures, including construction, operation, maintenance, alteration and removal should be carefully done under the direction and supervision of persons with specialized experience in such works. A safe and convenient means of access should be provided to the platform or scaffold. Means of access may be a portable ladder, fixed ladder, ramp or it may be a stairway. The use of cross braces or frame work as means of access to the working surface should not be permitted.

All workmen working at heights beyond 1st floor shall be provided with safety belts and the workers should be directed to wear safety belts as long as they are working. The instructions issued by the Engineer-in-Charge with regard to safety and security of workmen from time to time to be strictly followed. All other safety measures stipulated in the tender documents shall be strictly followed, failing which the Engineer-in-Charge shall take immediate action deemed fit and the same shall be binding on the contractor.

SECTION 7: SPECIAL CLAUSES OF CONTRACT

The following Special clauses of contract shall be read in conjunction with General clauses of contract. The same shall be considered as an extension and not limitation of the obligations of the contractor. In case of any discrepancy between Special clauses of contract and the General clauses of contract, these Special clauses shall take precedence over the General clauses of the Contract.

1. **Sequence of work:** The contractor shall execute the work as per the sequence given by the Engineer-in- Charge from time to time so that all other items of the work to be executed by other agencies are completed progressively along with the main work.
2. **Co-operation and Co-ordination with other contractors:** The contractor will carry out the entire work in a planned manner by co-ordinating his work with other contractors, who will be simultaneously carrying out work in the same area and also co-ordinate in connection with the position of various fixtures, inserts, embedment and other allied work connected with the completion of the building / subject work. In case of any dispute between the contractors engaged on the same work, decision of Engineer-in-Charge shall be final and binding.
3. **Operations and storage areas:** All operations of the contractor shall be confined to areas authorised by the Engineer-in-Charge and storage of materials shall be over the areas specially indicated by the Engineer-in-Charge. The contractor shall be obliged to keep the premises in hygienic conditions by proper drainages of the area provided with suitable approaches throughout the period of contract. He shall rectify all damages caused to the Government property within the areas thus allotted. He shall be responsible to clear all rank, vegetation at site at his own cost.
4. **Traffic interference & inconvenience to the public:** The contractor shall so conduct his operations as to interfere as little as possible with the traffic/public. The contractor shall take all precautionary and other measure, such as providing warning signals, temporary diversion etc. all as directed by the Engineer-in-Charge. The contractor shall not deposit materials anywhere at work site which will seriously inconvenience the public. The Engineer-in-Charge may require the contractor to remove any materials which are considered to be a danger or inconvenience to the public or cause them to be removed at the contractor's cost.

The contractor shall exercise full care to ensure that no damage is caused by him or his workmen, during the operation to the existing water supply and power lines. The cost of any such damage and risks arising out of this shall be entirely borne by the contractor.
5. **Supply of Water & Electricity:** Water and electricity shall be supplied to the contractor by HBCSE free of cost subject to the following conditions:
 - i. The Source of Water and Power Supply will be given at one point. All other arrangements have to be arranged by Contractor.
 - ii. Contractor(s) shall make his/ their own arrangement of water/ electricity connection and laying of pipelines/ connection from existing main of source of supply as directed by Engineer-In-charge.
 - iii. HBCSE do not guaranty to maintain uninterrupted supply of water/ electricity and it will be incumbent on the contractor to make alternative arrangement for proper supply of the same at his/ their own cost in the event of any break down in the government water/ electricity mains so that the progress of his/ their work is not held up for the want of the same. No claim of damage or refund will be entertained on account of such break down.
6. **Tendered rates to cover overheads and profit:** The rates quoted shall also cover the cost of necessary protection including labour, materials and equipment to ensure safety and protection against risk or accident, compensation for injury to life and damage to property if any, caused by the contractor's operations connected with this work. The rates shall be firm and shall not be subject to change due to variations during the entire period of execution of the work in cost of materials, labour and conditions, or any other conditions. No separate claim on this account will be entertained by the Department.

Unless otherwise stated in schedule of quantities, rates for item quoted by the tenderer should be for the complete work including supply and fixing with all materials and should be for all heights and depths, lifts and leads, lengths and widths involved in the work. Any cement slurry added over base surface (or) for continuation of concreting, for better bond, is added to have been in-built in the item (unless otherwise explicitly stated) and nothing extra shall be payable and no extra cement considered in consumption on this account. Rate for all items, in which use of cement is involved, shall include charges for curing.

The contractor when called for by the Department should furnish detailed rate analysis in support of the rates quoted by him against each item of the tender. The Department reserves the right to utilize the analysis thus supplied in settling the rate of any deviations or claims arising in this contract.

7. Claims against the contractor: Whenever any claim against the contractor for the payment of a sum or money arises out of or under the contract, Department shall be entitled to recover such sum by appropriating in part or whole, the security deposit of the contractor and to sell any Government promissory notes etc. forming the whole or part of such security. In the event of the security deposit having been taken from the contractor, the balance or the total sum recoverable, as the case may be, shall be deducted from any sum then due or which at any time thereafter may become due from the contractor, under this or any other contract with the Department. Should this sum be not sufficient to cover the full amount recoverable, the contractor shall pay the Department, on demand the balance remaining due.

Department shall have the right to cause an audit and technical examination of the work and the final bill of the contractor including all supporting vouchers, abstracts etc. to be made after payment of the final bill and if as a result of the due audit and technical examination any sum is found to have been over paid in respect of any work done by the contractor under the contract or any work claimed by him to have been done under the contract and found not have been executed, the contractor shall be liable to refund the amount of the over payment and it shall be lawful for the Department to recover the same from him in the manner prescribed above or in any other manner legally permissible and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, amount of such under payment shall be duly paid by the Department to the contractor.

8. Mode of measurements: Measurements for all hidden items once taken jointly and so accepted by the tenderer in the bills, in writing shall be final and binding. No re-recording of measurements for hidden items of work will be permitted. 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 the work.

All measuring tapes (of steel), scaffolding and ladders which may be required for taking measurements shall be supplied by the contractor. If the contractor fails to accompany the Engineer-in-Charge or his duly authorised person to take measurements, then he shall be bound by the measurements, recorded by the Engineer-in-Charge or his representative.

9. Proper drawings and instructions: The Engineer-in-Charge shall have full powers and authority to supply to the contractor from time to time during progress of the work such further drawings and instructions as shall be necessary for the purpose of proper and adequate execution and maintenance of the work and the contractor shall carry out the work and be bound by the same.

All drawings finalized for execution of work shall be signed by the **licensed Structural Designer** having sufficient prior experience in designing of roof shed for residential and commercial buildings.

10. Employment of staff for plumbing & electrical works:

- a. Employment of certified plumber:** Certified plumbers should be employed by the contractor on the work for main sewer, filtered and unfiltered man.
- b. Employment of licensed electrician:** The contractor should employ a licensed Electrical Supervisor to supervise the Electrical works.

11. Pandemic Situation: If a Lock down or anything as such announced by Govt of India/State Govt due to pandemic condition like Covid 19 or any other and the work remain suspended, nothing extra shall be paid to contractor for any losses in this regard.

12. Medical Fitness of staff/ labour: Staff/ Labour to be engaged in work should have medical fitness certificate if required by the department. The contractor will also follow the guideline issued by Govt of India/State Govt during any pandemic and will follow the safety norms and be responsible for the safety of labours to be engaged in the work. No claim for any causality in this regard will be entertained.

13. Security regulations: The contractors have to follow strictly the regulations of the Department at the work site regarding entry of personnel, material etc. and any other regulation that might be enforced from time to time. All materials and articles brought by the contractor to the work site shall have to be declared at the security gate. Similarly, no materials shall be taken out from the Departmental premises without proper gate pass, which will be issued by the Engineer-in-Charge to the contractor on written request. It is to be noted that loading of contractor's materials in vehicles and trucks shall be done in the presence of Departmental personnel.

For working on Sundays, Holidays and late hours, even though permission will be accorded by the Engineer-in-Charge, the contractor will have to make application to the Security Department also and keep them informed well in advance. The contractor, his agents, representatives, workmen etc. and his materials, carts, trucks or other means of transport etc. will be allowed to enter through and leave from such point of entry/exit at such times, the authorities in-charge of the area, at their sole discretion, may permit. The contractor, his agents and representatives are required to be in possession of the individual identity / muster cards or passes. The muster cards or passes are examined by the security staff at the time entry / exit inside the departmental area.

The contractor, his agents, representatives, workmen shall strictly observe the orders pertaining to prevailing

fire precautions. In addition to the above, other security regulations as may be imposed by the Security authorities / Engineer-in- Charge shall be complied with / observed by the contractor and his workmen, in addition to the above. Any breach of above security regulations and rules in force from time to time will be viewed seriously. No claim whatsoever will be entertained by the Department on account of the observation of the Security regulations.

14.No debris shall be left over during the repair works under each item on any day.

15.HBCSE will not provide any space at site for labour hutments.



SECTION 8: SCHEDULE OF QUANTITIES

Sl No.	Description of Items	Unit	Qty.	Rate	Amount
1	Providing and Fixing of Roofing Shed				
A	Designing, drawing, providing, fabricating, and erecting Mild Steel work in Roof trusses and framework:				
	Designing, drawing, providing, fabricating and erecting at site of work the tubular hot finished steel structure (shed) as per approved design, drawing and specifications having various spans in between trusses and in multiples of standard length of bays as specified as per standard specifications, inclusive of cost of steel tubular trusses, tubular columns purlins, tie runners, Stainless Steel foundation bolts, base plates, welding wherever required etc. as per detailed drawing inclusive of one coat of anticorrosive paint and two coats of epoxy painting of approved quality and shade etc. complete.				
	<p>Tentative Mild Steel (MS) section sizes to be used for roofing work (as per design approved by EIC):-</p> <p>a) Trusses: MS square/ rectangular pipes (75 X 75 X 2.6mm) of hot finished welded type tube member of size as per site requirement.</p> <p>b) Vertical columns: MS square pipes (100 X 100 X 3mm) of hot finished welded type tube size as per site requirement. Column spacing should be at equidistant @ approx. 7.00m c/c 3 nos. of columns to support truss, (2 at both ends and 1 at centre)</p> <p>c) Purlins: MS square/ rectangular pipe (50 X 50 X 2.6mm) of hot finished welded type tube, spacing @ approx. 1.20m c/c.</p> <p>e) Foundation Plate: To be fixed over mother slab (after chipping of top loose concrete) having plate size as per site requirement but min.12 mm thick, including chemical grouting around plates.</p> <p>f) Stainless Steel foundation bolts: Bullet fastener of M/s. Hilti or approved equivalent make of size 150x12 mm.</p> <p>i) Painting : Painting over new MS structure with one coat of zinc chromate primer and one to two coats of epoxy of approved make.</p> <p>Make : TATA, JSW or approved standard equivalent</p>				
	<p>NOTE: 1. The truss design to be submitted by the contractor should be as per IS specifications and considering the live load, dead load, (proposed) solar panel load and wind pressure on the structure, complete. (Drawing should be signed by any reputed structural designer.)</p> <p>2. MS framework and roofing is required to be done over all terrace areas including the</p>				

	area over mumty room, water tanks and lift machine room, with proper gutters and down take pipe drain system.				
B	Roofing colour coating HI profile sheet:				
	Providing permanent colour coated 150 GSM (0.5 mm thick) Hi-Rib profile sheets and ridge sheet of min. 0.5mm Total Coated Thickness (TCT) galvalume sheet having minimum yield strength of 550 MPa with top coat (of approved colour) of 20 micron and back coating of 10 micron of M/s. TATA, JSW or standard approved equivalent make, and its fixing with self-drilling /self-tapping screws plated of size min. 5.5x 55 mm of M/s. Bosch, Hilti, HP or standard approved equivalent make with life span of at least 10 years including EPDM seal washer etc. complete upto any pitch and surfaces. as directed by EIC. Make : TATA or approved standard equivalent				
C	Providing and fixing of PVC Gutter:				
	Gutter: Heavy duty PVC gutter 6" and down pipe 4" of prince or Finolex make upto drain openings including all fitting such as elbow, bends, and its fixing with MS angle section at any heights on complete periphery of the roofing shed in systematic way etc. complete as directed by EIC. Make : Astral, Prince or approved standard equivalent	Sqm.	900.00		
i	PVC pipe of 150mm dia				
ii	PVC pipe of 100mm dia				
	Total				
	Add: GST 18%				
	Total (Including GST) Rs.				

Note: Only plan area of roofing will be considered for measurements.

Amount (In Rupees) = Rupees _____

_____ Only.

Seal & Stamp of Contractor

ANNEXURE I

APPLICATION FORM

Date: _____

To,
The Centre Director,
Homi Bhabha Centre for Science Education, TIFR, V. N. Purav Road Mankhurd, Mumbai – 400088.

Sir,

1. Being duly authorized to represent and act on behalf of
(hereinafter referred to as “the Applicant”) and having reviewed and fully understood all the pre-qualification information provided, the undersigned hereby applies to be pre-qualified by yourselves as a tenderer for award of work(s) for **‘Designing, Providing & Fixing of Profile Roofing Sheets (Shed) over Main building Terrace’** as per specification attached.

2. Attached to this letter are copies or original documents defining:

- (a) the applicant’s legal status
- (b) the principal place of business
- (c) the place of incorporation (for applicants who are corporations) or the place of registration and thenationality of the owners (for applicants who are partnerships or individually owned firms)
- (d) Annexure no. II to X

3. Your department and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This letter of application will also serve as authorization to any individual or authorized representative or any institution referred to in the supporting information, to provide such information deemed necessary and requested by you to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the Applicant.

4. Your department and its authorized representatives may contact the following persons for further information on general, personnel, technical and financial enquiries.

Details	Contact 1	Contact 2
Name		
Contact No.		
E-mail		

5. This application is made with the full understanding that:

- (a) Bids submitted by applicants will be subject to verification of all information submitted at the time of bidding
- (b) Your department reserves the right to:
 - i. Amend the scope and value of the contract / bid under this project; in such event, bids will only be called from pre-qualified bidders who meet the revised requirements; and
 - ii. Reject or accept any application, cancel the pre-qualification process, and reject all applications without assigning reasons or incurring any liability thereof; and
- (c) Your department shall not be liable for any such actions and shall be under no obligation to inform the applicant.

6. The undersigned declares that statements made and the information provided in the duly completed application are true and correct in every detail.

Signed and sealed, Name

For and on behalf of

ANNEXURE - II

CONTRACTOR DETAILS

Sr.No	Description	Details
1.	Name of tendering company/ firm	
2.	Name of directors	
3.	Full particulars of office	
A	Address	
B	Telephone no.	
C	E-mail address	
4.	Bank details	
A	Bank name & address:	
B	Account type:	
C	Account no:	
D	IFSC code:	
E	Email address:	
5.	Registration details :	
A	PAN NO. (attach copy of proof)	
B	GST REGISTRATION NO.(attach copy of proof)	
C	E.P.F. REGISTRATION NO.(attach copy of proof)	
D	E.S.I. REGISTRATION NO.(attach copy of proof)	
6.	Details of Registered /Branch Office in Mumbai. (attach copy of proof)	
7	Details if the Bidder having a company registered under the Companies Act, 2013 (attach copy of proof)	
8	If having a License under Contract Labour (Regulation and Abolition) Act. (attach copy of proof)	
9	If the Bidder possess valid ISO - 9001 certification. Copy of certificate has to be attached with the Technical Bid. (attach copy of proof)	

Signature and seal of Authorized Signatory of bidder

ANNEXURE – III

FINANCIAL CAPABILITIES

Financial Year	Annual Turn Over in Indian Rupees (or equivalent to Indian Rupees) as per Audited Balance Sheet
2020-2021	Rs.
2021-2022	Rs.
2022-2023	Rs.

NOTE: The above data is to be supported by audited balance sheets and to be submitted with tender documents.

(Attach copies of audited balance sheets duly certified by the chartered accountant for all three years. Audited Balance sheet should mention the membership number of chartered accountant issued by ICAI along with full address.)

Signature and seal of the Authorized Signatory of the bidder

ANNEXURE –IV

EXPERIENCE OF COMPLETION OF PROJECTS OF SIMILAR NATURE & COMPLEXITY

(During last **Five** years ending last day of month previous to the one in which applications are invited)

Sl. No.	Name of work / project and location	Owner or sponsoring organization	Cost of Work in Lakhs	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Name and address/ telephone number of officer to whom reference may be made	Remarks

NOTE: Please attach supporting documents (completion certificates along with order copies) for the above information.

Signature and seal of the Authorized Signatory of the bidder

ANNEXURE - V

LITIGATION DETAILS (COURT CASES/ARBITRATION)

Year	Name of the work	Name of the Client, with Address	Title of the court Case/Arbitration	Detail of the Court/ Arbitrator	Status Pending/ Decided	Disputed Amount (Current Value, the equivalent) in case of Court Cases/arbitration	Actual Awarded Amount (Rs) in decided Court Cases/arbitration

Signature and seal of Authorized Signatory of bidder

ANNEXURE - VI

LIST OF WORKS IN HAND

Name of work	Name & address of the establishment under whom the work is being executed	Value of the work in Lakhs	Completion time as per the contract	Position of the works in progress	Remarks
1	2	3	4	5	6

Signature and seal of Authorized Signatory of bidder

ANNEXURE –VII

CERTIFICATE FOR SITE INSPECTION

Certified that we.....(Name of bidder) from M/s.....(name of Bidder firm) have visited the site on dated and assessed the nature and amount of work involved before submitting our offer. We will be able to complete the works within the stipulated time and also certified that we will be able to supply the material/executing the work as per specification to suit the site conditions.

Signature of bidder with Seal &Date



ANNEXURE-VIII

(To be Submitted by the Awardee Contractor on Rs. 100 Stamp Paper)

FORM OF AGREEMENT

This Agreement is made on the _____ day of _____ 2022 between Tata Institute Of Fundamental Research (HBCSE-TIFR), Mumbai for the entering into work(s) for **‘Designing, Providing & Fixing of Profile Roofing Sheets (Shed) over Main building Terrace, at Homi Bhabha Centre for Science Education (HBCSE), V. N. Purav Marg, Mankhurd, Mumbai - 400088, Maharashtra, India’** as per the document (hereinafter called "The Employer") who enters into this Agreement of the one part and M/s _____ (herein after called "The Contractor") of the other part..

Whereas the Employer is desirous that certain works should be executed by the Contractor, viz. _____ ("the Works") and has accepted a Bid by the Contractor for the execution and completion of the works and the remedying of any defects therein.

Now this Agreement witnessed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
 - (a) The Letter of Award;
 - (b) The said Bid;
 - (c) The General and Special Conditions of Contract;
 - (d) Prequalification document
 - (e) Instructions to Bidders and Specific Conditions of Contract;
 - (f) The Specification;
 - (g) The Drawings;
 - (h) The Price Bid
 - (i) Annexures
 - (j) Any other relevant documents referred to in this Agreement or in the aforementioned documents
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of this work.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein the Contract Price or only such other sums as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be executed the day and year first before written.
Signed, Sealed, and Delivered by the Said.

Binding Signature for and on behalf of HBCSE-TIFR-Mumbai

Binding Signature of Contractor _____

In the presence of
Witness (1):

(Name & Signature)

Witness (2):

(Name & Signature)

ANNEXURE -IX

PROFORMA FOR PERFORMANCE BANK GUARANTEE

(NOTE: If the bidder is submitting the PBG in form of DD this document is not required)

(On a stamp paper of appropriate value from any Nationalized Bank or Scheduled Bank)

1. In consideration of the TATA INSTITUTE OF FUNDAMENTAL RESEARCH (hereinafter called "The HBCSE- TIFR") having agreed under the terms and conditions of Work Order No. Dated..... made between HBCSE-TIFR and M/s(hereinafter called "the said Contractor{s}") for the work (hereinafter called "the said Work Order") having agreed to production of an irrevocable bank Guarantee for Rs..... (Rupees only), as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said Work Order, we..... (Indicate the name of the Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the HBCSE -TIFR an amount not exceeding Rs. (Rupees only) on demand by the HBCSE-TIFR.
2. We..... (indicate the name of Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the HBCSE-TIFR stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupees only).
3. We, the said bank, further undertake to pay to the HBCSE-TIFR any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We..... (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Work Order and that it shall continue to be enforceable till all the dues of the HBCSE-TIFR under or by virtue of the Work order have been fully paid and its claims satisfied or discharged or Purchase Officer on behalf of the HBCSE-TIFR certifies that the terms and conditions of the said Work Order have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We (indicate the name of Bank) further agree with the HBCSE-TIFR that the HBCSE-TIFR shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Work Order or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the HBCSE-TIFR against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Work Order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the HBCSE-TIFR or any indulgence by the HBCSE-TIFR to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. We, (indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of the HBCSE-TIFR in writing.
8. This guarantee shall be valid up to....., unless extended on demand by HBCSE-TIFR. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liability under this guarantee shall stand discharged.

Signed and sealed

Dated the day of 2022 for (indicate the name of Bank)

* * (Note: The Letter of Intent shall form part of the Agreement)

ANNEXURE -X

BID SECURITY DECLARATION (EMD)

(To be submitted on Company's Letterhead)

Date:

To,
Centre Director,
Homi Bhabha Centre for Science Education – TIFR,
V. N. Purav Marg,
Mankhurd, Mumbai - 400088.

Tender No. _____

I/we have gone through the tendering conditions pertaining to the Tender and General Conditions of Contract, Special Conditions of Contract and Additional Conditions of Contract, if any.

We, the undersigned, declare that:

I / We understand that, as per terms and conditions of tender, bids must be supported by a Bid Security Declaration In lieu of Earnest Money Deposit.

I / We hereby accept that I / We may be disqualified from bidding for any contract with you for a period of (03) Three years from the date of disqualification as may be notified by you if,

- I. I am /We are in a breach of any of the obligations under the bid conditions, or
- II. I/We have withdrawn or unilaterally modified/amended/revised, my/our Bid during the bid validity period specified in the form of Bid or extended period, if any.
- III. On acceptance of our bid by HBCSE, I/we failed to deposit the prescribed Performance Bank Guarantee or fails to execute the agreement or fails to commence the execution of the work in accordance with the terms and conditions and within the specified time.

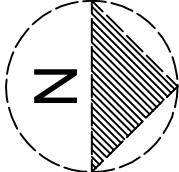
Signature of bidder with Seal & Date

Name & designation of the authorized person signing the Bid-Securing Declaration Form:

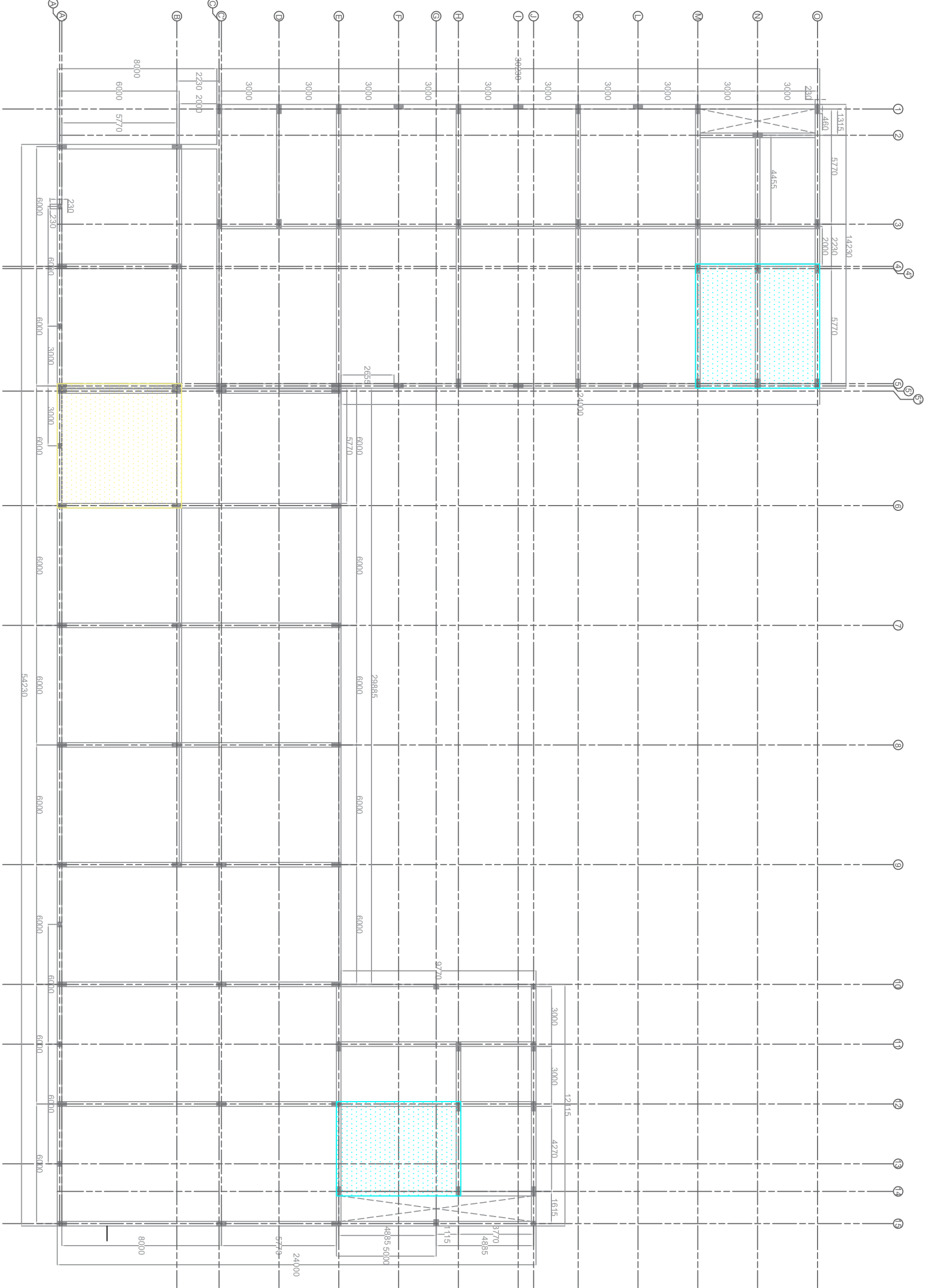
Duly authorized to sign the bid for and on behalf of: _____ (complete name of Bidder firm)

Dated on _____ day of _____ month, _____ year.

(Note: In case of a Joint Venture, the Bid Security Declaration must be in the name of all partners to the Joint Venture that submits the bid).




LEGEND	
	WATER TANK
	LIFT MACHINE ROOM

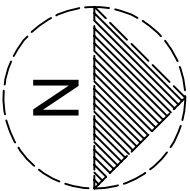


STRUCTURAL LAYOUT PLAN - MAIN BUILDING (GRID)

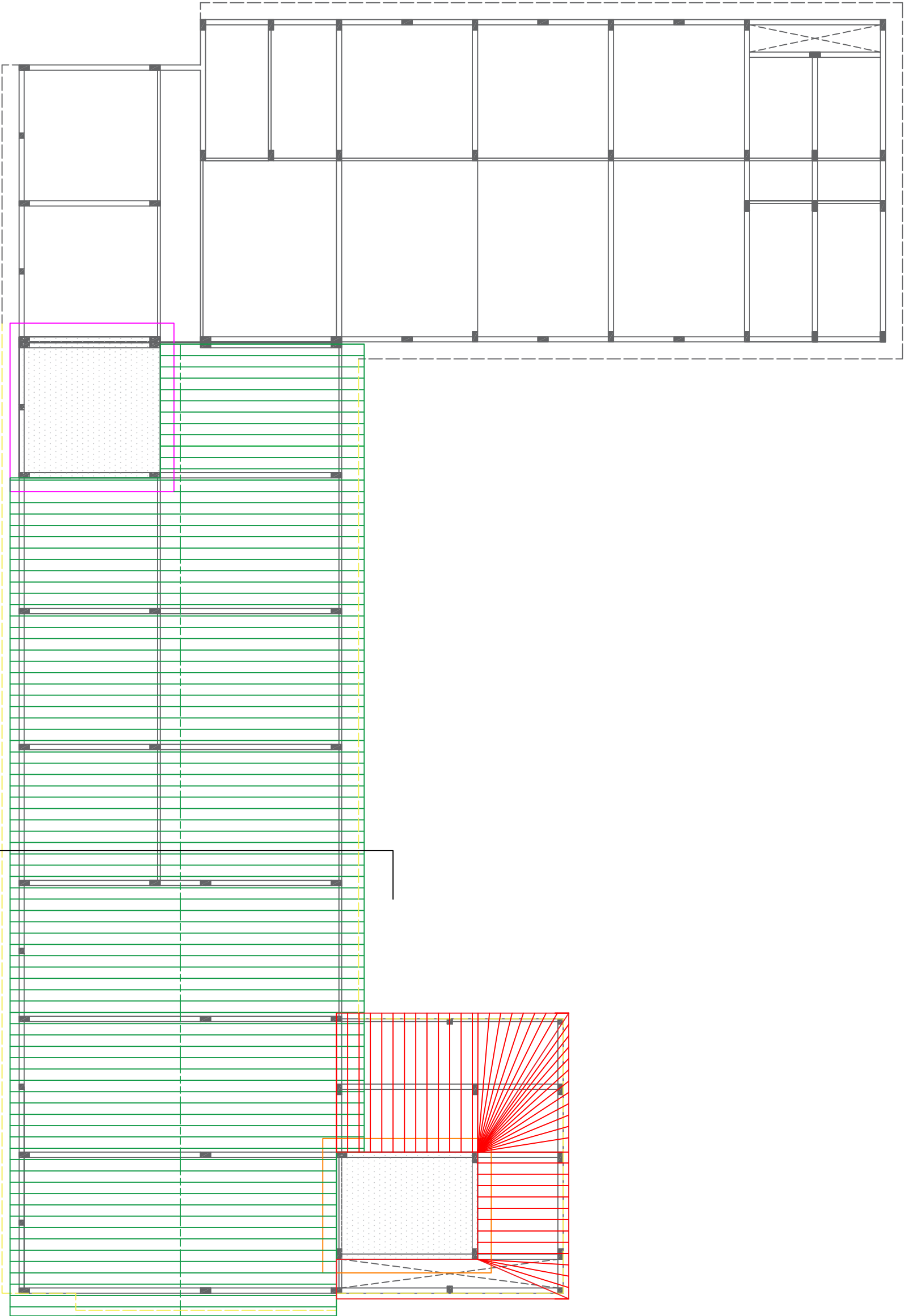
PROJECT : PROVIDING AND FIXING OF ROOFING SHEETS FOR MAIN BUILDING	
ALL DIMENSIONS ARE IN MM	
HOMI BHABHA CENTRE FOR SCIENCE EDUCATION TATA INSTITUTE OF FUNDAMENTAL RESEARCH V. N. PURAY ROAD, MANKHURD, MUMBAI - 40088	
BUILDING	MAIN BUILDING
DRG. NAME	STRUCTURAL LAYOUT PLAN – MAIN BUILDING (GRID)
NORTH	DRAWN : PCM/ACG JOB NO : –
	DSGN : PCM SCALE : 1:100
	CHKD : SDP DATE : 10-11-2023
	APPD : – QA/QC : –
DRG. NO:	HBC/MRROOFING/1 REV. NO: R-0
RELEASED FOR:	<input type="checkbox"/> CONCEPT <input type="checkbox"/> SCHEMATIC <input checked="" type="checkbox"/> TENDER <input type="checkbox"/>
	<input type="checkbox"/> ADVANCE COPY <input type="checkbox"/> APPROVAL <input type="checkbox"/> CONSTRUCTION



PROJECT :		PROVIDING AND FIXING OF ROOFING SHEETS FOR MAIN BUILDING							
		HOMI BHABHA CENTRE FOR SCIENCE EDUCATION TATA INSTITUTE OF FUNDAMENTAL RESEARCH V. N. PURAV ROAD, MANKHURD, MUMBAI - 400088							
BUILDING	MAIN BUILDING								
DRG. NAME	STRUCTURAL LAYOUT PLAN – MAIN BUILDING								
NORTH	DRAWN : PCM/ACC	JOB NO : –							
	DSGN : PCM	SCALE : 1:100							
	CHKD : SDP	DATE : 10–11–2023							
	APPD : –	QA/QC : –							
DRG. NO:	HBC/MBROOFING/2	REV. NO:	R–0						
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<input type="checkbox"/> CONCEPT	<input type="checkbox"/> SCHEMATIC	<input checked="" type="checkbox"/> TENDER							
<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> APPROVAL	<input type="checkbox"/> CONSTRUCTION							

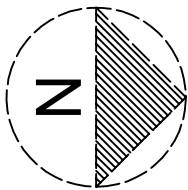


LEGEND	
<div></div>	WATER TANK
<div></div>	LIFT MACHINE ROOM
<div></div>	PARAPET WALL
<div></div>	ROOF 1
<div></div>	ROOF 2
<div></div>	ROOF 3
<div></div>	ROOF 4

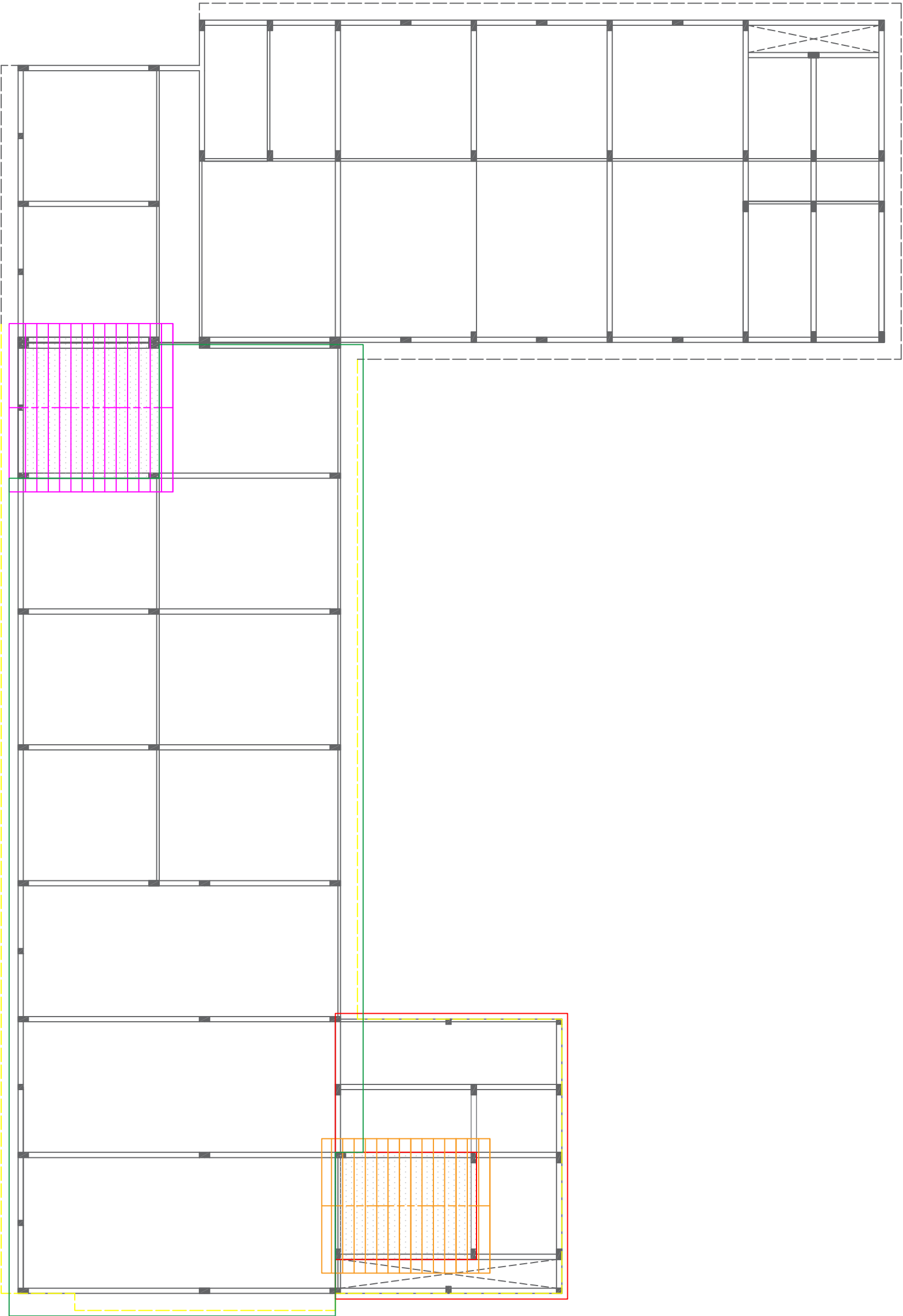


ROOFING LAYOUT PLAN FOR ROOF 1 & ROOF 2

PROJECT :		PROVIDING AND FIXING OF ROOFING SHEETS FOR MAIN BUILDING	
<div><div><div><div></div><div>tifr</div><div>HBCSE</div></div><div>HOMI BHABHA CENTRE FOR SCIENCE EDUCATION TATA INSTITUTE OF FUNDAMENTAL RESEARCH V. N. PURAV ROAD, MANKHURD, MUMBAI - 40088</div></div></div>			
BUILDING		MAIN BUILDING	
DRG. NAME	ROOFING LAYOUT PLAN FOR ROOF 1 & ROOF 2		
NORTH	DRAWN : PCM/ACC	JOB NO : -	
	DSGN : PCM	SCALE : 1:100	
	CHKD : SDP	DATE : 10-11-2023	
	APPD : -	QA/QC : -	
DRG. NO:	HBC/MRROOFING/3	REV. NO:	R-0
RELEASED FOR:	<input type="checkbox"/> CONCEPT	<input type="checkbox"/> SCHEMATIC	<input checked="" type="checkbox"/> TENDER
	<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> APPROVAL	<input type="checkbox"/> CONSTRUCTION



LEGEND	
<div></div>	WATER TANK
<div></div>	LIFT MACHINE ROOM
<div></div>	PARAPET WALL
<div></div>	ROOF 1
<div></div>	ROOF 2
<div></div>	ROOF 3
<div></div>	ROOF 4

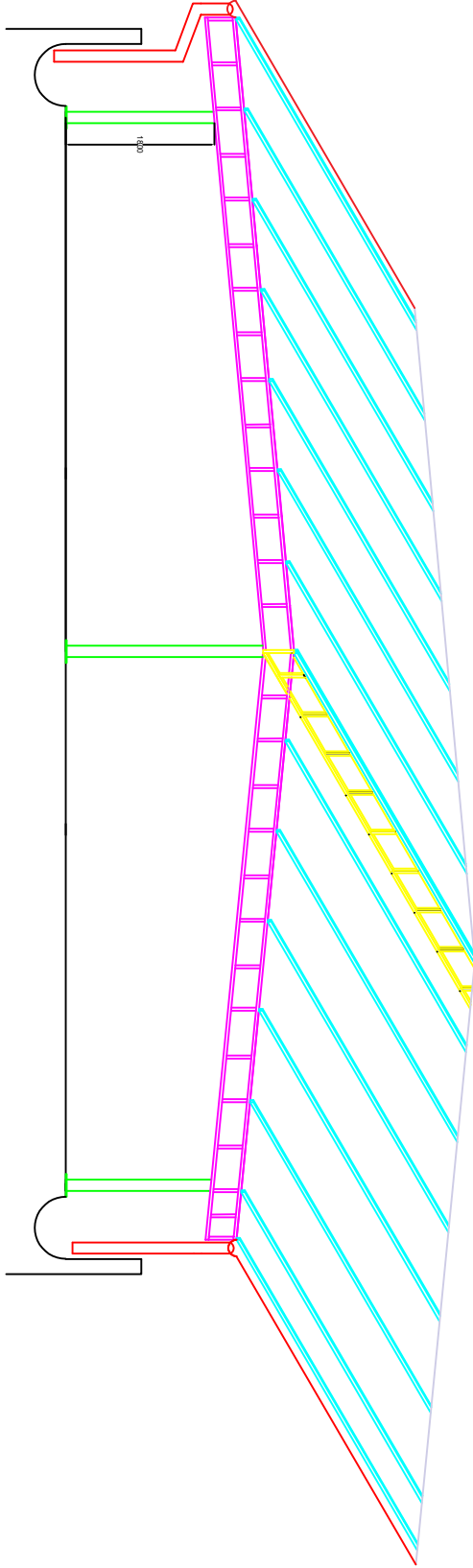


ROOFING LAYOUT PLAN FOR ROOF 3 & ROOF 4

PROJECT : PROVIDING AND FIXING OF ROOFING SHEETS FOR MAIN BUILDING	
<div><div><div><div></div><div>tifr</div><div>HBCSE</div></div><div>HOMI BHABHA CENTRE FOR SCIENCE EDUCATION TATA INSTITUTE OF FUNDAMENTAL RESEARCH V. N. PURAY ROAD, MANKHURD, MUMBAI - 40088</div></div></div>	
BUILDING	MAIN BUILDING
DRG. NAME	ROOFING LAYOUT PLAN FOR ROOF 3 & ROOF 4
NORTH	DRAWN : PCM/ACC JOB NO : -
	DSGN : PCM SCALE : 1:100
	CHKD : SDP DATE : 10-11-2023
	APPD : - QA/QC : -
DRG. NO:	HBC/MBROOFING/4 REV. NO: R-0
RELEASED FOR:	<div><div><input type="checkbox"/> CONCEPT</div><div><input type="checkbox"/> SCHEMATIC</div><div><input checked="" type="checkbox"/> TENDER</div></div>
	<div><div><input type="checkbox"/> ADVANCE COPY</div><div><input type="checkbox"/> APPROVAL</div><div><input type="checkbox"/> CONSTRUCTION</div></div>



LEGEND	
	PURLIN
	CENTRAL TRUSS
	MAIN ROOF TRUSS
	COLUMNS

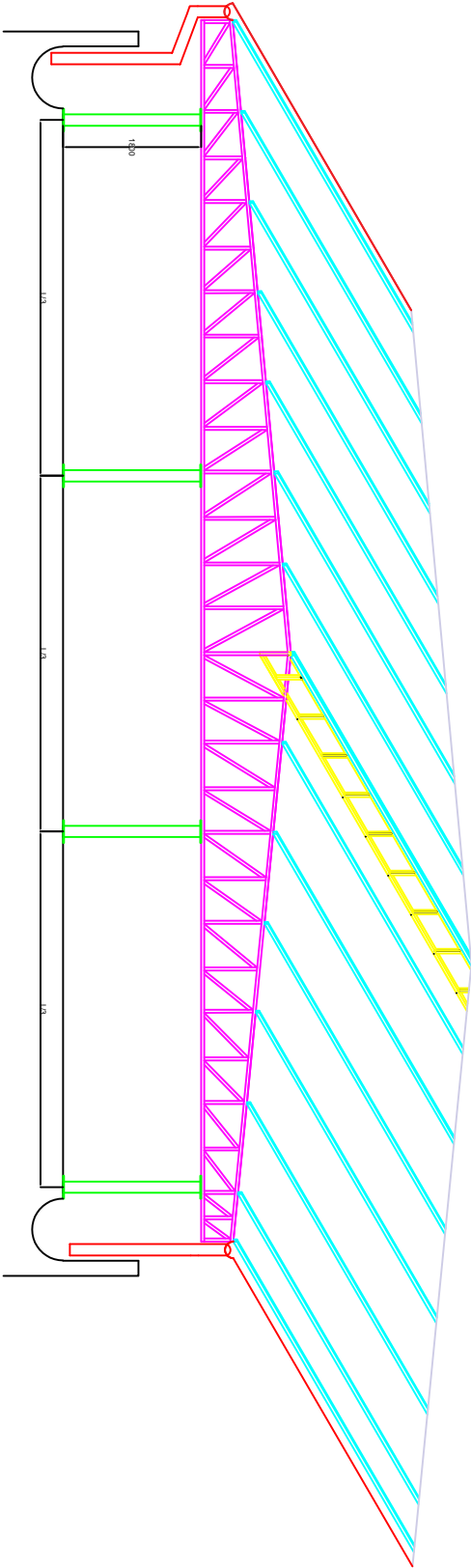


THREE DIMENSIONAL SECTION VIEW (TENTATIVE) FOR TRUSS - TYPE 1

ALL DIMENSIONS ARE IN MM	
PROJECT : PROVIDING AND FIXING OF ROOFING SHEETS FOR MAIN BUILDING	
CLIENT : HON. BHABHA CENTRE FOR SCIENCE EDUCATION V. N. P. ROAD, MUMBAI-400088	
DESIGN : MAIN BUILDING	
DRG. NAME : NORTH	ROOFING LAYOUT PLAN FOR ROOF 3 & ROOF 4
DATE : 22-11-2023	SCALE : 1:1000
BY : R-0	CHKD : R-0
REV. NO. : 1	REV. DATE : 22-11-2023
REVISIONS :	REVISIONS :
<input type="checkbox"/> CORRECT	<input type="checkbox"/> SCISSOR
<input type="checkbox"/> REMOVE CORR	<input type="checkbox"/> REMOVE CORR
<input type="checkbox"/> ADDITION	<input type="checkbox"/> ADDITION



LEGEND	
—	PURLIN
—	CENTRAL TRUSS
—	MAIN ROOF TRUSS
—	COLUMNS

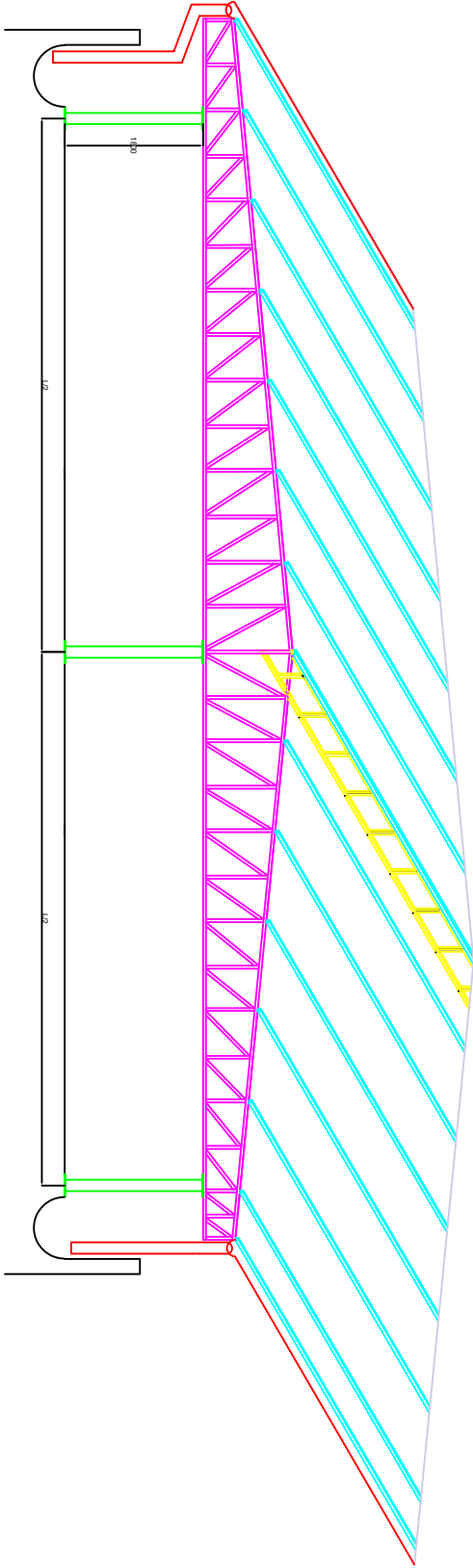


THREE DIMENSIONAL SECTION VIEW (TENTATIVE) FOR TRUSS - TYPE 2


PROJECT : FRODO BAGGINS OF ROOFING SHEETS FOR MAIN BUILDING	
FOOD BIOMASS CENTRE FOR SCIENCE EDUCATION ATVA INSTITUTE OF ENVIRONMENTAL RESEARCH MUMBAI - 40008	
BUILDING : MAIN BUILDING	
ROOFING LAYOUT PLAN FOR ROOF 3 & ROOF 4	
NORTH	
DRWN : PCH/ACS	JOB NO : --
DSGN : PCH	SCALE : 1/400
CHKD : SP	DATE : 26-11-2023
APPD : --	BY/DC : --
REV. NO. : 1	REV. NO. : R-0
RELEASED FOR :	
<input checked="" type="checkbox"/> DESIGN	<input checked="" type="checkbox"/> DRAWING
<input checked="" type="checkbox"/> CHECKED	<input checked="" type="checkbox"/> APPROVAL
<input checked="" type="checkbox"/> CONSTRUCTION	



LEGEND	
---	PURLIN
---	CENTRAL TRUSS
---	MAIN ROOF TRUSS
---	COLUMNS



THREE DIMENSIONAL SECTION VIEW (TENTATIVE) FOR TRUSS - TYPE 3

PROJECT : PROVIDING AND PILING OF ROOFING SHEETS FOR MAIN BUILDING	
 H. P. S. ENGINEERING & CONSTRUCTION PVT. LTD. HOMI BHABHA CENTRE FOR SCIENCE EDUCATION V. N. PURAY ROAD, MANHURU, MUMBAI - 40088	
ALL DIMENSIONS ARE IN MM	
BUILDING :	MAIN BUILDING
DRG. NAME :	ROOFING LAYOUT PLAN FOR ROOF 3 & ROOF 4
NORTH :	AS IS NO : -
DESIGN : PCD/AC	SCALE : 1:400
CHECK : SP	DATE : 28-11-2023
APPD : -	QA/QC : -
DES. NO. : HSC/ARCHIT/04	REV. NO. : R-0
RELEASED FOR :	<input type="checkbox"/> CONCEPT <input type="checkbox"/> SCHEMATIC <input checked="" type="checkbox"/> TENDER <input type="checkbox"/> BIDDING <input type="checkbox"/> PERMANENT <input type="checkbox"/> CONSTRUCTION