‘’NOTICE INVITING TENDERS

1.	Employer	:	**M/s. Entrepreneurship Development Institute of India** Bhat, Gandhinagar, Gujarat, India-382428
	Consultants	:	**Collaborative design & Axees consultants** 613-614, Pushti heights, Near Subhash chowk, Gurukul Road, Memnagar, Ahmedabad - 380052
	Site	:	**M/s. Entrepreneurship Development Institute of India** Bhat, Gandhinagar, Gujarat, India-382428

2. Sealed tenders are invited on behalf of the Employer for **Construction of Hostel Block for M/s. Entrepreneurship Development Institute of India at Gandhinagar, Gujarat**. The works are required to be completed within **Fifteen months** as per the terms of the contract conditions.

3. Tender papers, contract documents specifications and Schedule of Items/Quantities, etc. can be obtained from the website of the Entrepreneurship Development Institute of India (https://www.ediindia.org/Tender.aspx) from **26.01.2025 from 10.00 am onwards**. The duly filled tender document may be submitted along with a **Demand Draft of Rs. 2,000/- in favour EDI of India**. The Tender fee shall be non-refundable.

4. The Tender with a complete set of the tender documents shall be enclosed in a sealed cover super scribed with name of work, Consultant Name and sent through Registered Post/Courier/Hand delivery only, to Sr. Manager, EDI of India, Near Village Bhat & Apollo Hospital, Gandhinagar-382428 on or before **18:00** hrs. on **16.02.2025**, Late tenders, delayed tenders and ordinary post tenders shall not be opened and considered.

5. Tenders for the work shall remain open for the acceptance from **26.01.2025 to 16.02.2025**.

6. Before quoting the rates, every tenderer is expected to inspect the site of the proposed work and to have satisfied himself as to the nature of all works, all existing roads, water-way and other means of communication and access to and from the site and work and the building that may be required for temporary purposes in connection with the construction, completion and maintenance of the works and must make his own inquiries as to work, yard sites and depot and dumps and as to acquisition of such additional sites and areas as may be necessary for temporary purpose for constructing, completing and maintaining the works. He must ascertain the availability of space for storage of construction materials, water supply, electricity, means of access to the work, nature of work and acquaint himself with all local conditions. A tenderer shall be deemed to have full knowledge of all the relevant documents, samples, site, etc. whether he inspects them or not before submitting the tender.

7. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specification of the work to be done and of local conditions and other factors bearing on the execution of the works.

8. Person’s tendering are informed that no erasures or alterations by them in the text of the document sent herewith shall be allowed and any such erasures or alterations shall be disregarded. If there is any error in writing, no overwriting should be done, the wrong word or figure should be struck out and the correct one written above or neat it in unambiguous way. Each correction should be initialed.

9. **CONTRACTORS TO PLEASE READ THIS CAREFULLY**

   a. The rate for items in **Schedule of Items/Quantities** must be given in words and figures. Amount of each item must also be entered in column and grand total of amount must be struck out by the

tenderer.

b. If the tender is taken in favour of the company, a power of attorney in favor of the person who may have signed the tender for the company must accompany the tender.
c. The tender document should be initialed by the Contractor.
d. All corrections, erasures and overwriting should be initialed by the Contractor.
e. Discrepancies and Adjustment of Errors:

Any error in quantity or amount in Schedule of Items/Quantities showing item or work to be carried out shall be adjusted in accordance with the following rules:

a) In the event of a discrepancy between description in words and figures quoted by a tenderer in the rates column, the description in words shall prevail.
b) In the event of an error occurring in the `amount column of the Schedule of Items/Quantities showing items of work, as a result of wrong multiplication of the unit rate and quantity, the unit rate shall be regarded as firm and multiplication shall be amended on the basis of the rate.
c) All errors in totaling in `amount' column in carrying forward total shall be corrected.
d) Any rounding of amount against `items' or in `totals' shall be ignored.

10. Architects reserve the right to reject any or all tenders with the previous approval in writing from the employer without giving any reasons, and to waive any deviations which do not constitute a material modification in the tenders received. They also reserve the right to accept any tender and not only the lowest without giving any reasons. Not more than one tender shall be submitted by a Contractor or by a firm of Contractors. No two or more concerns in which an individual is interested as a proprietor and/or partner shall tender for the execution of the same works. If they do, all such tenders shall be liable to be rejected. A tenderer shall submit the tender which satisfies each and every condition laid down in this notice and tender documents, failing which, the tender shall be liable to be rejected.

In addition to the above, the tender shall also be liable to be rejected outright, if :

i) The tenderer proposes any alteration in the work specified or in the time allowed for carrying out the work or any condition or correction made in any code or mode of Schedule of Items/Quantities or Specifications, Conditions of Contract.
ii) Any of the page or pages of the tender is/are removed or replaced.
iii) All corrections, additions or pasted slips are not initialed by the tenderer.
iv) Any erasure is made by him in the tender, and
v) The tenderer or in the case of a firm, each partner or the person holding the power of attorney thereof does not sign or signature/s is/are not attested by a witness on the Articles of Agreement of the tender, in the space provided for the purpose.

11. This is an item rate tender only. Quantity variation shall be unlimited. A tenderer should quote in figures as well as in words the rate(s) tendered. The amount for each item should be worked out and the requisite totals given. Special care shall be taken to write rates in figures as well as in words and the amounts in figures only and in such a way that interpolation is not possible.

12. The tender documents shall have to be filled in either in ink or by ball pen.(Computerized printing can also be entertained)

13. This notice of tender shall form part of the contract documents.

For and on behalf of the Contractor

Date _____ Signature _____

Designation _____

FORM OF TENDER

Dear Sir,

Having examined the Contract conditions, specifications, designs and schedule of items/quantities relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as effecting the tender, I/We hereby offer to execute the works specified in the said memorandum within the time specified in the said memorandum at the rates mentioned in the attached schedule of items/quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in conditions of tender, the Articles of Agreement, Special Conditions, Schedule of Items/Quantities and conditions of Contract and with such materials as are provided for, by and in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

SR NO	CONTENTS	DESCRIPTION
1	Description of Works	**Construction of Hostel Block for M/s. Entrepreneurship Development Institute of India, Bhat, Gandhinagar, Gujarat-382428**
2	Location	Bhat, Gandhinagar Gujarat-382428
3	Possession of Site	Immediately on issuance of Letter of Intent.
4	Commencement day of Work	Immediately on issuance of Letter of Intent.
5.i	Estimated Cost of Tender	**Rs 13, 66, 56,080.00/-(Rupees Thirteen Crore Sixty Six lakhs Fifty Six Thousand eighty only).**
5.ii	Earnest money	**2% of the total value of the contract** in the form of bank demand draft favoring **M/s. Entrepreneurship Development Institute of India**. And same shall be converted in to security deposit after award of the contract. [EMD will be return to unsuccessful bidder within 15 days period after award of the contractor]
6	Security Deposit	2.5% of Interim payment including tender and non-tender items as retention money will be retained from each running account bill.
7	Release of Retention Money	**100%** Retention money shall be release upon completion of defect liability period **[i.e 12 months from issuance of virtual completion certificate]. Amount of retention money may be specified if required.**
8	Time of Completion	Time Limit for completion of work by all means **15 months** from the issuance of work order

9	Date and place for collection of Tender Document	Tender papers, contract documents specifications and Schedule of Items/Quantities, etc. can be obtained from the website of the Entrepreneurship Development Institute of India (https://www.ediindia.org/Tender.aspx) from **26.01.2025 from 10.00 am onwards**. The duly filled tender document may be submitted along with a **Demand Draft of Rs. 2,000/- in favour EDI of India**. The Tender fee shall be non-refundable.
10	Last date of receipt and place of submission of tender document by the bidder	The Tender with a complete set of the tender documents shall be enclosed in a sealed cover super scribed with name of work, Consultant Name and sent through Registered Post/Courier/Hand delivery only, on or before **18:00** hrs. on **16.02.2025, Late** tenders, delayed tenders and ordinary post tenders shall not be opened and considered. **Address – To,** **Sr. Manager- Estate,** **Entrepreneurship Development Institute of India,** **Near village- Bhat & Apollo hospital, Beside Narayani heights Hotel,** **Gandhinagar-382428, Gujarat.**
10.A	Date of Pre Bid Meeting	On 5th February'2025 at 3:00 PM at EDII, Bhat, Gandhinagar-382428. Bidders are requested to send the queries prior to the Pre Bid meeting Via E-mail.
11	Defect liability period	12 months from the date of virtual completion.
12	Period for submitting of RA Bill	30 Days From the previous submitted Bill Date.
13	Period for Submitting Final Bill	30 Days from the completion of works
14	Liquidated damages for Delay	0.5% per week, maximum up to 5% of the total project value of civil structural works carried out by the contractor
15	Performance Guarantee	The Successful bidder shall provide Entrepreneurship Development Institute of India with 5% of the total contract value as Performance bank guarantee of any of Government/Private/Nationalized Bank in the format prescribed.
16	Taxes (GST)	Rates shall be exclusive of All taxes and duties as applicable and BOCW Cess shall be inclusive
17	Water Supply	One point of water source to be provided to the contractor. Further arrangement of its distribution for the construction works shall be under contractor's scope. Charges for water supply will be recovered by 1% from every running bill
18	Electricity Supply	One point of Electrical Supply to be provided to the contractor through Energy company and charges for electrical power supply utilized by the contractor as per actual electric rate to be deducted from Running Account Bill.
19	Site Office	Site office to be provided by the contractor at his own cost for consultant and client representative.

20	Registration Class	AA Class, Spl Cat-I (Bldg) with any of the state government/Union territories. However, bidder not having class registration is eligible on satisfying below financial and technical criteria.
21	Eligibility Criteria	The bidder shall have completed, similar nature of works of the following magnitude during the last 5 years. 1. 1 work of at least Rs.10.93 Cr Completed during the last 5 years or 2. 2 works of at least Rs. 6.83 Cr Completed During the Last 5 Years or 3. 3 works of at least Rs. 5.46 Cr Completed during the last 5 Years
22	Bidder Criteria	Joint Venture/sub-contractors for the said works is not allowed. Any form of Canvassing, Whether direct or indirect, by the bidder or their representatives, shall result in disqualification of the bidder from consideration, rendering their bid ineligible. Bidder shall be in position to allow for the site visit to the employer/consultant of any one of the sites mentioned as per the completion certificate attached by him.
23.	Similar Works	The Similar works means any of the high rise building be it residential/institutional/commercial with all services including, electrical works, firefighting, lifts, plumbing, area development , rainwater harvesting pits, generator and pumping Facility etc complete. However detail breakup of the items to be provided only to the successful bidder.
24	Pre-Qualification Criteria	As per details mentioned under 'Documents to be furnished By bidder.

2. Should this tender be accepted, I/We hereby agree to abide by and fulfil the terms and provisions of the said conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to '**M/s. Entrepreneurship Development Institute of India** the amount mentioned in the said conditions.

3. I/We have deposited a sum of **2% of the contract value [i.e Rs:_____]** as **earnest money** to **M/s. Entrepreneurship Development Institute of India**, which amount shall not bear any interest. Should I/We fail to execute the contract when called upon to do so, I/We do hereby agree that this sum should be forfeited by me/us to **M/s. Entrepreneurship Development Institute of India.**

4. Till formal Agreement is executed, this tender together with written acceptances thereof, shall constitute a binding contract between the Employer and the Contractor.

5. We accept and agree to the fact that you are not bound to accept the lowest or any tender you may receive.

6. Our Bankers are:

i)

ii)

The names of Partners of our firm are:

i)

ii)

Name of the Partner of the firm OR

A person having Power of Attorney to sign the contract. (Certified true copy of the Power of Attorney should be attached.)

Yours faithfully

Signature of tenderer

Witnesses:

1) Name: Signature:

Address

2) Name: Signature:

Address:

PLACE:

DATE:

DRAFT OF AGREEMENT

ARTICLES OF AGREEMENT made on the _____ day of _____ between **M/s. Entrepreneurship Development Institute of india,** having its Registered office at _____, Ahmedabad (hereinafter called "the Employer") of the one part and _____ (hereinafter called "the Contractor") of the other part.

WHEREAS the Employer is desirous of **Construction of Hostel Block for M/s. Entrepreneurship Development Institute of India** and has caused drawings and specifications describing the works to be prepared by **Collaborative design & Axees consultants.**

AND WHEREAS the said specifications and the schedule of items/quantities have been signed by or on behalf of the parties hereto.

AND WHEREAS the Contractors has agreed to execute upon and subject to the conditions set forth herein and to the conditions set forth in the Special Conditions and in the schedule of items/quantities and conditions of contract (all of which are collectively hereinafter referred to as "the, said conditions") the works shown upon the said drawings and/or described in the said specification and included in the schedule of items/quantities at the respective rates therein set forth amounting to the sum as therein arrived at or such other sum as shall become payable thereunder (hereinafter referred to as "the said contract amount")

NOW THIS DEED WITNESSETH and it is hereby agreed and declared as follows :

1. The Contractor shall upon and subject to the said conditions execute and complete the work shown upon the said drawings and described in the said specifications and the schedule of items/quantities. In consideration of contractor carrying out the work, the Employer shall pay the Contractor the said contract amount or such other sum as shall become payable, at the times and in the manner specified in the said conditions.

2. The term `the Consultants' in the said conditions shall mean the said **Collaborative design & Axees consultants** or, in the event of their ceasing to be the Architect for the purpose of this contract for whatever reason, such other person or persons as shall be nominated for that purpose by the Employer, not being a person to whom the Contractor shall object for reasons considered to be sufficient by the Employer Provided Always that no person or persons subsequently appointed to be Architect under this contract shall be entitled to disregard or overrule any previous decisions or approval or direction given or expressed in writing by the Architect for the time being.

3. The said conditions and Appendix hereto shall be read and construed as forming part of this Agreement, and the parties hereto shall respectively abide by, submit themselves to the said conditions and perform the Agreements on their part respectively in the said Conditions contained.

4. The conditions and documents mentioned herein shall form the basis of this contract.

5. This contract is neither a fixed lump sum contract nor a piece work contract but is a contract to carry out **Construction of Hostel Block to be paid according to actual measured quantities at the rates contained in the schedule of items/quantities and probable quantities or as provided in the said conditions.**

6. The Contractor shall offer every reasonable facility for the carrying out of all works relating to civil works, installation of sanitary work and fittings, permanent water supply, electrical installations, fittings, lifts, telephone, air conditioning, and other ancillary works in the manner laid down in the said conditions, and shall make good any damages done to walls, floors, etc., after the completion of such works.

7. The contractor shall follow good construction practices.

8. The Employer reserves to itself the right of altering the drawings and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this contract.

9. Time shall be the essence of this contract and the Contractor hereby agrees to commence the work sooner from seventh day after the date of issue of formal works order as provided for in the said

conditions and shall faithfully and honestly do, provide, perform, execute, fulfil, keep, discharge, carry out and complete the entire work upon the terms and conditions herein contained and those contained in Contract Documents within **Fifteen months** subject nevertheless to the provisions for extension of time.

10. All payments by the Employer under this contract shall be made only at **Gandhinagar**.

11. Legal and factual possession of the site shall deem to be with Employer. Permission is given to the contractor only for construction work and no right of lien is created of the contractor over the site/construction work under the agreement.

12. Employer shall not be liable to the contractor for damages/compensation for breach of contract or otherwise to the contractor and the contractor shall not be entitled to raise any claims, compensation, or damages for breach of contract or otherwise by the employer.

13. All disputes arising out of or in any way connected with this Agreement shall be deemed to have arisen at Ahmedabad and only courts in Ahmedabad shall have jurisdiction to determine the same.

14. That the several parts of this contract have been read by the Contractor and fully understood by the Contractor.

"IN WITNESS WHEREOF the Employer and the Contractor have set their respective hands to these presents and two duplicates hereof
the day and year first hereinabove written.

If the party is a partnership or an individual.

IN WITNESS WHEREOF the Employer has its hands to these presents through its duly authorised official and the Contractor has caused its common seal to be affixed hereinto and the said two duplicates/has caused these presents and the said two duplicates hereof to be executed on its behalf, the day and year first hereinabove written.

If the contractor is a company.

SIGNED, SEALED AND DELIVERED FOR THE EMPLOYER BY the hand
of Shri

(name and designation)

in the presence of

1)

2)

If the party is a Partnership firm or an individual should be signed by all or on behalf of all the Partners.

SIGNED, SEALED AND DELIVERED FOR THE CONTRACTOR by

in the presence of

1)

2)

THE COMMON SEAL OF _____ was hereunto affixed pursuant to the resolutions passed by its Board of Directors at the meeting held on
in the presence of

1)

2)

If the contractor signs under its common seal, the signature clause should tally with sealing clause in the Articles of Association. If the Contractors signing by the hand of power of attorney whether a company or individual.

Directors who have signed these tender present in token thereof, in the presence of

1)
2)
in the presence of,

1)
2)

SPECIAL CONDITIONS OF CONTRACT

1. The following special conditions of contract shall supplement the General Conditions of Contract, whenever there is a conflict, the provision herein shall prevail over those in the general conditions of contract.

2.	Amount of Bid Security Earnest Money	:	**2.0%** of the total value of the contract in the form of bank demand draft favoring **M/s. Entrepreneurship Development Institute of India** and same shall be converted or it should be adjusted against the security deposit retained in the form of earnest money, to be refunded on completion of the validity period of EMD.
3.	Security Deposit	:	2.5% of Interim payment including tender and non tender items as retention money will be retained from each running account bill.
4.	Period for Completion of the Works	:	The period of completion for the total **work -15 calendar Months** from the date of signing of contract including mobilization period.
5.	Minimum value of work for certification of payment	:	**5% of Contract Value** or Monthly running account bills whichever is earlier.
6.	Period of honoring certificates	:	Within 15 days after measurement verification by Consultant and Employer.
7.	Period for Final Measurement	:	45 days from issuance of final completion certificate.
8.	Defects Liability Period	:	12 months from the date of issuance of final completion Certificate.

9. Equipment & Machinery on Work Site

The contractor will be required to provide and maintain in working order the following power / diesel driven equipment's till completion of work and shall produce calibration/test/performance certificate as desired by Site Engineer:

(a) Concrete mixer with weigh-batching machine of sufficient numbers and of adequate capacity.

(b) Mechanically operated hoists or lift, for materials to reach the highest level of building, powered by suitable machinery capable of lifting the bucket with a speed of 50 feet per minute.

(c) Immersion type and surface type vibrators for consolidation of concrete of any grade and at all stages.

(d) Sufficient quantity of steel plate or plywood shuttering material as well as wooden/steel rafters having required spans of required strength, adjustable clamps, turn buckles etc. Contractor shall have to submit the shop drawings for the enabling structures like staging, formwork etc. and get the approval thereof before execution.

(e) Testing equipment's for testing to concrete sand, grit, gravel, mortar etc. as required including small compression testing machine. Adequate nos. of moulds for concrete and cement.

(f) Water pumps for dewatering from pits, trenches and equipment's for supplying of curing water at every portions of buildings.

(g) Compressor, jack hammer, drilling bits, welding machine, loader for excavated materials, dumpers, caterpillar, bulldozer, road roller etc.

(h) Or any other tools / tackles / equipment necessary for the satisfactory and successful execution of

the project, if necessary for the statutory requirements.

10. <u>Schedule of Materials:</u>

Rates to be quoted by the contractor shall be inclusive of the cost of cement and reinforcement steel as per the given basic rate mentioned in the below mentioned table.

The total responsibility of unloading, storage, safe custody, accountability, testing etc. will be of the contractor. At each stage and at the time of completion of the work, contractor will have to submit a detailed reconciliation statement of cement & steel. Allowable wastage considerations and penalties for the reconciliation of cement and reinforcement steel shall be applicable as per Relevant IS Codes or Architect.

a. No escalation shall be paid for any construction materials. (Cement, Steel, etc.)

b. Quantity variation shall be paid as per the item rates.

c. All invoices of the purchase of any construction materials needs to be submitted along with the running account bills for the record keeping.

d. Any of the item that is not listed or the part of BOQ, shall be executed and the rates shall be considered as per S.O.R Gandhi nagar 2023-24.

e. However, Contractor shall furnish all the relevant papers related to material procured along with the bills as and when demanded by the employer/consultant.

f. For the item not listed in the SOR, Contractor shall provide a detailed rate analysis for the item that is operated in extra. However certification and fair value of the item shall be certified only by the Employer/Consultant.

g. Contractor shall be deemed to execute each and every item whether the part of the boq or not, as per the instructions of the employer/consultant and shall not delay any of the works for the finalization of the rate part.

11 Contractor shall also provide temporary office for the Owner's staff at site, consisting of staff area with common toilet, wash basin & cooler point, project manager's office, one meeting room and necessary electrical points and fittings etc. as per drawing. After completion of the project, all the materials used for the same, shall be contractor's property. The design of the same shall be provided/approved by the Architect.

12.1 Testing of Cement / Steel shall be carried out only in NABL Accredited Laboratories.

For the supply of cement and steel / structural steel, it shall be contractor's duty to arrange for the test samples of cement & steel/structural steel for every separate consignment that shall be received by the contractor at site or as directed by the Site Engineer. Contractor will not be reimbursed amount of such bills of test reports carried out at recognized technical institute or laboratories. Other sundry expenditure like transport, handing over of samples, packing and getting test results, even by deputing his personnel will be borne by the contractor.

12.2 Material and Equipment

Material	Make
• Cement	OPC 53 either from Ultratech or Equivalent shall be used for all concrete works.

• Reinforcement	Reinforcement steel from Nilkanth, Kamdhenu, Sail, Tata-Tiscon and Vizag shall be used for all necessary reinforcement steel works related to concrete works. Binding wire shall be annealed 16 guage M.s Binding wire to be used [refer item specification]
• Structural Steel	All structural steel work at site will be carried out with either Tata, Jindal or equivalent make, and if not available than contractor need to submit the test report of equivalent brand before procurement and exeuction.

Contractor will have to use only good / fresh ply shuttering for all concrete element and standard 'H'frames shuttering system to be used.

Contractor has to submit royalty slip against each of material like excavated earth, grit, kapachi and sand to the project engineer / owner.

All concrete of foundation, columns, beams, floor and structural slab or any other concrete element shall be done with weigh batchers of concrete mixer machine. The contractor has to submit design mix report prepared by qualified agency and same shall be approved by the consultant. If the contractor insists for RMC then he requires prior approval from the Architect / Consultant. RMC shall be Ultratech, Laferge concrete or Equivalent vendor.

Contractor needs to main water cement ratio for concrete as per IS: 456:2000 [Table: 05]

12.3 Test and Test Certificate for Construction Materials and Construction works

Soil Test / Earth Filling by soil brought from outside : The contractor shall take prior approval of soil with test report from the Project Engineer before starting to soil filling works at site.

For site development and plinth area earth filling works, proctor density test shall be carried out as directed by the Consultant / Project Engineer, until the satisfactory values area achieved, further activities cannot be commenced.

The contractor will have to take six numbers of cubes from each batch of concrete during concreting for compressive strength of the contractor at 7 days and 28 days. If cube are fails or shows deficit than the contractor shall repair or re-cast the same element as per consultant's instructions at his own cost.

The contractor have to perform NDT if suggested by the consultant. If the results are not confirmed then contractor will have to redo the works at his own cost.

Material Testing, concrete cube test and any other test inform by the consultant / architect shall be borne by the contractor, no extra shall be paid for such necessary construction testing.

13 The quantity for measurement will be actual quantity used in construction (which will be calculated on the basis of standard steel co-efficient). Rolling margin, invisible loss, wastage shall not be paid or billed.

I) The contractor shall bear all incidental charges for the storage and safe custody of the materials at site at his own responsibility.
II) The contractor shall make arrangement at the site of works for safe custody of materials to protect from damage by rain, dampness, fire, theft etc.
III) In case any materials get damaged the contractor shall replace the same at his own cost.
IV) The contractor shall furnish to Site Engineer sufficiently in advance a statement showing his requirements of quantities of materials to be supplied by Owner if any and the time when the same will be required by him.
V) A day to day account of the material supplied by Owner/Contractor shall be maintained by the contractor in the prescribed Performa like Pour Card etc.
VI) Only that quantity of steel and reinforcing steel, which is shown in the drawings as finished/fabricated steel, will be measured. No wastage, cutting margins, materials used as laps etc. shall be measured for payment. However, approved laps, chairs and spacers in reinforcing steel be measured.

VII) Rate of formwork shall be inclusive of desired size and shape. Rates are also inclusive of forming grooves of required size and shape, forming pattas, patterns, rendering etc. Exposed shuttering also includes finishing and rendering of the same and providing holes for conduits/pipes and other inserts.

13 Dewatering.

Rate quoted for various items in schedule of quantities, should include cost of dewatering by any means and at all stages which may be from underground or surface water sources. Contractor will not be paid anything extra for dewatering.

14 Application codes for Specification of Civil Works.

The following codes, standards are part of the specifications mentioned/covered under this contract. All standards, tentative specifications, codes of practice referred to herein shall be the latest edition including all applicable official amendments and revisions. Copy of same shall be made available at site all the time for reference.

In case of discrepancy between tender and those referred to herein, IS Specification shall govern.

IS 1077	Common burnt clay building bricks.
IS 2502	Code of practice for bending & fixing of concrete reinforcement.
IS 1905	Structural safety to building.
IS 1786	Specification for cold twisted steel bars for concrete reinforcement.
IS 3495	Methods of sampling & testing clay building bricks. (Part I to IV)
IS 2212	Code of practice for brickwork.
IS 2394	Code of practice for application of lime plaster finish.
IS 1443	Code of practice for laying and finishing of cement concrete flooring tiles.
IS 4021	Timber door, window and ventilator frames.
IS 2202	Wooden flush door shutters (solid care) Type Part I
IS 1003	Timber panelled and glazed shutters part I&II
IS 4020	Methods of tests for wooden flush doors, Thpe test.
IS 1081	Code of practice for fixing and glazing of metal (steel & aluminium) doors, windows and ventilators
IS 233	Code of practice for finishing wood and wood base materials (part)
IS 2395	Code of practice for painting concrete, masonry and plaster surface.
IS 1346	Code of practice for water proofing of roofs with bitumen felts.
IS 783	Code of practice for laying concrete pipes.
IS 1200	Method of measurement of building works.
IS 3764	Safety code for excavation work.
IS 2720	Part II Determination of moisture content.
	Part VII Determination of moisture content dry density relation using light compaction.
	Part VIII Determination of moisture content dry density relation using heavy compaction.
	Part XXVIII Determination of dry density of soils, in place by the said replacement method.
	Part XXIX Determination of dry density of soils in place by the core cutter method.
IS383	Specification for course and fine. Aggregates from natural sources for concrete.
IS 23856	Parts I to VIII methods of test for aggregates.

IS 516	Methods of test for strength of concrete.
IS 1199	Methods of sampling and analysis of concrete.
IS 3025	Method of sampling and test for water.
IS 432	Part I & II Mild and Medium tensile steel bars and hard drawn steel wire, for concrete reinforcement.
IS 4990	Specification for plywood for concrete shuttering works.
IS 2645	Specification for integral cement waterproofing compounds.
IS 2505	Specification for concrete vibrators, immersion types.
IS 2750	Specification for steel scaffoldings
IS 3370	Part I to IV code of practice for concrete structures for storage of liquids.
IS 456	Code of practice for plain & reinforced cement concrete.
IS 9013	Specification for admixtures for concrete.
IS 3414	Code of practice for design and installation of joints in buildings.
IS 4014	Parts I & II code of practice for steel tubular scaffolding.
IS 2571	Code of practice for laying in site cement concrete flooring.
IS 3385	Code of practice for measurement of civil Engg. Works.
	National Building code of India 1970 . (All Parts).
IS 73	Specification for paving bitumen.
IS 226	Specification for Structural Steel.
IS 460	Specification for test sieves

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15 Clearance of site on completion.

On completion of the works, the contractor shall clear away and remove from the site, all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole site and works clean and in workman like condition to the satisfaction of Owner at his own cost. If the contractor fails to clear the site within 15 days after virtual completion/ submission of final bill whichever is earlier, it shall forfeit all his claims and the owner may get the site cleared at contractor's cost.

However, during Work execution, if any of the trees fall within the area of the construction, it is the contractor's responsibility to relocate the tree and maintain it during the contract duration without demanding any of the additional charges.

16 Additional Instruction to Bidder.

The contractor shall make water pond at the site at his own cost for curing of cubes and for bricks using in masonry.

The contractor shall provide gunny bags in sufficient quantity for curing of any type of construction works and put water as per guideline / frequency decide by the project engineer.

The contractor shall provide sufficient infrastructure for dewatering from excavation of where ever it is applicable, any delay due to non availability of resources will not be acceptable.

The contractor shall not demolish, remove or alter the structure, tress or other facilities on the site without prior approval of the client / consultant.

The contractor will have to make provision of cement godowns at his own cost at suitable location in the site as suggested by project engineer / Client. Size of godown will be constructed minimum 18 x 5.5m and height of godown floor will be 0.6m above ground level with zero leakage from roof. After completion of works the contractor shall demolish and take away the debris and shall make good usable area for client as per instruction

of client

Rate Difference : The quotes are to be calculated as per the SOR of PWD, Gandhinagar. This will be a fixed rate contract. Hence, no escalation in price is allowed during the entire period.

No extra time will be granted if the works affected due to rain. Or any natural calamity

Contractor to submit As built drawings in three sets after completion of the contract.

Contractor shall list down the basic material rates prior to the commencement of the works and submit it to the Employer/Consultant for it's approval. Contractor to also furnish relevant material bills as and when demanded by the Employer/Consultant.

Contractor shall borne the deduction in rates if the material procured by them is below to the prices as provided in the basic material rates by the contractor.

GENERAL CONDITIONS

1. Interpretations :

In constructing these Conditions, the Specifications, Schedule of Items/Quantities and Contract Agreement, the following words shall have the meanings herein assigned to them except where the subject or context otherwise requires.

a) "Owner/Employer" Shall mean **M/s. Entrepreneurship Development Institute of India** and shall include its successors, legal representatives and assigns.

b) "Contractor" "Contractor" shall mean the tenderer (person or persons, firm or company), selected by the Owner for the performance of the work and shall include the successors, legal representatives and permitted assigns of the Contractor.

c) "Site" shall mean the site of the contract works including any building and erections thereon and any other land (inclusively) as aforesaid allotted by Employer for the Contractor's use.

d) "This Contract" shall mean the Articles of Agreement the General and Special Conditions, the Appendix, the Annexure, the Schedule of Items/Quantities and Specifications attached hereto and duly signed.

e) "Notice in Writing" or written notice shall mean a notice in written, typed or printed characters sent (unless delivered personally or otherwise proved to have been received) by registered post to the last known private or business address or registered office of the addressee and shall be deemed to have been received when in the ordinary course of post it would have been delivered.

f) "Act of Insolvency" shall mean any Act of Insolvency as defined by the Presidency Towns Insolvency Act or any Act amending such original.

g) "Net Prices" If in arriving at the contract amount the Contractor shall have added to or deducted from the total of the items in the Tender any sum either as a percentage or otherwise then the net price of any item in the tender shall be the sum arrived at by adding to or deducting from the actual figure appearing in the Tender as the price of that item a similar percentage or proportionate sum provided always that in determining the percentage or proportion of the sum so added or deducted by the Contractor the total amount of any Prime Cost items and provisional sums of money shall be deducted from the total amount of the tender. The expression "net rates" or "net prices" when used with reference to the contract or accounts shall be held to mean rates or prices so arrived at.

h) "Time limit/shall mean the period in which the construction work is stipulated to be completed.
Stipulated time/Stipulated date"

2. General:

a. In the specifications "as directed"/"approved" shall be taken to mean "as directed"/"approved" by the Client and Architects.

b. Wherever a reference to any Indian Standard appears in the specifications, it shall be taken to mean as a reference to the latest edition of the same in force on the date of agreement.

c. The distance which constitutes lead shall be determined along the shortest practical route and not necessarily the route actually taken. The decision of the Site Engineer and Architects in this regard shall be taken as final. Where no lead is specified, it shall mean "all leads".

d. Lift shall be measured from plinth level.

e. Reference to specifications of materials as made in the detailed specification of the item of works is in the form of a designation containing the number of the specification of the material and prefix `M' e.g. `M-5'.

f. No materials shall be stored prior to, during and after execution of a structure in such a way as to cause or lead to damage or overloading of the various components of the structure.

g. All works shall be carried out in a workman like manner as per the best techniques for the particular item.

h. The mode, procedure and manner of execution shall be such that it does not cause damage or over-loading of the various components of the structure during execution or after completion of the structure.

i. Special modes of construction not adopted in general Engineering practice, if proposed to be adopted by the Contractor, shall be considered only if the Contractor provides satisfactory evidence that such special mode of construction is safe, sound and helps in speedy construction and completion of work to the required strength and quality. Acceptance of the same by the Site Engineer shall not, however absolve the Contractor of the responsibility of any adverse effects and consequence of adopting the same in the course of execution for the completion of the work.

j. All installations pertaining to water supply and fixtures thereof as well as drainage lines and sanitary fitting shall be deemed to be completed only after tests of their satisfactory functioning have been carried out by the Contractor and the same have been approved by the Engineer-in- charge.

k. The Contractor shall be responsible for observing the rules and regulations imposed under the "Minor Minerals Act" and such other laws and rules prescribed by Government from time to time.

l. The testing charges of all materials shall be borne by the Contractor.

m. Approval to any of the executed items for the Work does not in any way relieve the Contractor of his responsibility for the correctness, soundness and strength of the structure as per the drawings and specifications.

3. **Competency of the Tenderer:** No contract shall be awarded except to responsible bidders capable of performing the class of work contemplated. Before the award of the contract, any bidder may be required to show that he has the necessary facilities, experience, ability and financial resources to perform the work in satisfactory manner within the time stipulated. Contractor may be required to furnish to the Employer, with a statement, as to their experience and their financial status.

4. **Security Deposit:** A security deposit (including earnest money deposit) totaling to 2.5 % of the contract value shall be deducted from each running bill. (Total Retention = 2.5%). 100% retention amount shall be released after rectification of the defects, if any, pointed out during the defects liability period. The amount retained by the Employer shall not bear any interest. All compensation or other sums of money payable by the Contractor to the Employer under the terms of this contract may be deducted from his Earnest Money and Security Deposit. Unless such deposit has become otherwise payable, the Contractor within ten days shall make good in cash the amount so deducted.

5. **Conditional tender shall not be accepted.**

6. **Scope of Contract:** The Contractor shall carry out and complete all the work strictly, in every respect, in accordance with the Contract, drawings, specifications, details and with the directions of and to the satisfaction of the Architect and their Associate Consultants. The Architect may in his absolute discretion and from time to time issue further drawings (one month before execution) and/or written/verbal instructions, details, directions and explanations which are hereafter collectively referred to as "Architect's Instructions" in regard to :

a. The variation or modification of the design, quality or quantity of works or the addition or omission or substitution of any work.

b. Any discrepancy in the Drawings or between the Schedule of Items/Quantities and/or Drawings and/or

Specification.

c. The removal from the site of any materials brought thereon by the Contractor and the substitution of any other material therefor.

d. The removal and/or re-execution of any defective works and opening up for inspection of any covered work executed by the Contractor.

e. The dismissal from the works of any persons employed thereupon.

f. In case of verbal instructions, directions and explanations given to the Contractor or his representatives upon the works by the Architect shall, if involving a variation, be confirmed in writing by the Contractor within Seven days, and if not dissented from in writing within a further seven days by Architect's such shall be deemed to be Architect's Instructions, within the scope of the Contract.

All work shall be in compliance with the requirements of the local public authorities. If in the opinion of the Architect and the Consultants, changes have to be made, the Contractor shall carry out the same without any extra charges. The Architect's decision in such cases shall be final and shall not be open to arbitration. No change in the drawings is permitted without Architect's written consent. The Contractor shall carry out and complete the said work in every respect in accordance with this Contract.

7. **Tender document, Schedule of items/quantities and drawings :** The Contractor shall be entitled to the certified copy of the accepted tender along with the work order, free of cost and shall also be entitled to receive, on request, two sets of contract and working drawings according to the progress of work as and when needed, free of cost. The Contractor shall keep one copy of all the drawings on the works and the Architect or his representative shall have, at all times, access to the same.

The several documents forming the contract are essential parts of the contract and requirements occurring in one are a binding as through occurring in all. They are intended to be mutually explanatory and complementary and to describe and provide for a complete work. The contract shall remain in the custody of the Architect and shall be produced by him at his office when required by the Employer or the Contractor.

In the event of any discrepancy in the several documents forming the contract or in any one document, the following order of precedence should apply:

Dimension and quantities : (i) Drawings (ii) Schedule of Items/Quantities of the Tender form (iii) Specifications. On drawings, figured dimensions, unless obviously incorrect, shall be followed in preference to scaled dimensions.

Description : (i) Schedule of Items/Quantities of the Tender form; (ii) Drawings (iii) Specifications. In the case of defective description or ambiguity or any discrepancy in the item specifications or in absence of specifications for any items, the Architect and Site Engineer is entitled to issue further instructions directing in what manner the work is to be carried out or work shall be carried out as per specifications in the latest IS code. The Contractor cannot take any advantage of any apparent error or omission in drawings or specifications and the Architect and Site Engineer shall be entitled to make corrections and interpretations as necessary to fulfil the plans and specifications.

Before the issue of the final certificate to the Contractor, the Contractor shall forthwith return to the Architect, all documents, drawings and specifications.

8. **Contractor to provide everything necessary :** The Contractor shall provide at his cost everything necessary for the proper execution of the works according to the intent and meaning of the Drawings, Schedule of Items/Quantities and Specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred therefrom, and if the Contractor finds any discrepancy in the Drawings or between the Drawings, Schedule of Items/Quantities and Specifications he shall immediately and in writing refer same to the Architect who shall decide which is to be followed.

9. **Work not to be sublet :** The Contractor shall not assign or sublet any portion of the contract except with

the written consent of the Employer/Architect. In case of breach of these conditions, the Employer may cause the Architect to serve a notice in writing to the Contractor rescinding the contract whereupon the security deposit shall stand forfeited to the Employer, without any prejudice to his other remedies against the Contractor.

10. No alteration, omission or variation shall vitiate this contract but in case the Architect/Consultant thinks proper at any time during the progress of the works to make any alterations in, or additions to, or omissions from, the works or any alteration in the kind or quality of the materials to be used therein and shall give notice thereof in writing under his hand to the Contractor, the Contractor shall alter, add to, or omit from, as the case may, in accordance with such notice, but the Contractor shall not do any work extra to or make any alterations or additions to or omissions from the works or any deviation from any of the provisions of the Conditions of the contract, stipulation, specifications, Schedule of Items/Quantities or contract drawings without the previous consent in writing of the Architect and the value of such extras, alterations, additions or omissions shall in all case be determined by the Architect with the prior approval in writing of the Employer in accordance with the provisions of relevant clause, and the same shall be added to, or deducted from, the contract amount, as the case may be, accordingly.

Any error in description or in quantity or in omission of items from the Schedule of Items/Quantities shall not vitiate this contract but shall be rectified and the value thereof, as ascertained under relevant clause, shall be added to, or deducted from the contract amount(as the case may be) provided that no rectification of errors, if any, shall be allowed in the Contractor's schedule of rates.

11. A schedule of probable quantities in respect of each work and specifications accompany these special conditions. Quantities indicated in the Form of Schedules of Rates with respect to various items are only approximate and are intended merely as information without undertaking as to the correction thereof and without any obligation upon the Owner. This schedule is liable to alteration by omission, deductions or additions at the discretion of the Employer/Architect and not subject to any discussions. The Contractor shall carry out any such items with variations in the quantities at the tender quoted rate. Each tender should contain not only the rates but also the value of each item of work entered in a separate column and all the items should be totalled in order to show the aggregate value of the entire tender. Every `blank' in the form of the tender and in the schedule must be filled up by the tenderer and must return the document sent herewith.

12. The tenderer must obtain for himself at his own responsibility and expense all the information which may be necessary for the purpose of making a tender, for entering into a contract, examining the drawings and all matters appertaining thereto. The Contractors shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the prices stated in the Schedule of Items/Quantities, which rates and prices shall cover all his obligations under the Contract, and all matters and things necessary for the proper completion of the works.

The information given in the tender documents and the Plans and Drawings forming part thereof is merely intended as a general information without undertaking on the part of the Employer as to their accuracy and without obligation relating thereto upon the Employer. The tenderers are expected to conducted their own surveys and investigations prior to tendering.

The Contractor shall confirm to the provisions of any Act of the legislature relating to the works, and to the regulations and bye laws of any authority, and of any water, electric supply, other companies and/or authorities with whose systems the structure is proposed to be connected, and shall, before making any variations from the Drawings or Specifications that may be necessitated by so conforming, give to the Architect written notice, specifying the variation proposed to be made and the reason for making it and apply for instructions thereon. In case the Contractor shall not within ten days receive such instructions he shall proceed with the work confirming to the provisions, regulations, or bylaws in question, and any variation so necessitated shall be dealt with under relevant clause.

The Contractor shall bring to the attention of the Architect all notices required by the said Acts, regulations or bylaws to be given to any authority and pay to such authority, or to any public office all fees that may be properly chargeable in respect of the works, and lodge the receipts with the Architect.

The Contractor shall indemnify the Employer/Architect/ Consultants against all claims in respect of patent rights, and shall defend all actions arising from such claims, and shall himself pay all royalties,

license fees, damages, cost and charges of all and every sort that may be legally incurred in respect hereof.

13. **Supply of plants, equipment, formwork, centering, temporary roads, lighting etc.:** The rates quoted in the tender shall include for cleaning of the site before commencement and after completion of the works, for the proper fencing, lighting, grading and taking of the necessary safety measures for all works comprised in the contract and for the proper provision of temporary road, way, foot-ways, guards, fences, caution notices etc., also for the accommodation of workmen, foot passenger or other traffic and of Employer/s and occupiers of adjacent property and the public and shall remain responsible for any accidents that may occur on account of his failure to take proper & timely precautions.

The Contractor shall not set fire to any standing jungle, trees, brushwood or grass without a written permit from the Architect, Site Engineer and Forest officer. When such permit is given, and also in all cases when destroying cut or dug up trees, brushwood, grass etc. by fire, the Contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property.

Contractor shall supply at his own cost all materials (except such special materials if any, as may, in accordance with the contract to be supplied by the Employer), plant, tools, appliances, implements, ladders, cordage, tackle, scaffolding and any temporary works which may be required for the proper execution of the work whether in the original, altered or substituted from and whether included in the specifications, or other documents forming part of the contract or referred to in these conditions or not and which may be necessary for the purpose of satisfying or complying with requirements of the Architect and Site Engineer as to any matter or to which under these conditions he is entitled to be satisfied or which he is entitled to required together with carriage therefore to and from the work.

Erection of all formwork, staging, timbering, shoring etc. as well as taking down and removal of the same when ordered to do so shall be included. The rates quoted shall be inclusive of fully reinstating and making good all matters and things disturbed during the execution of the work and to the satisfaction of the Architects.

All the arrangements made for fencing and lighting shall be maintained by the Contractor throughout the execution of the contract till the physical taking over of the work by Employer.

14. **Setting out the works :** The Contractor shall supply without additional charges the requisite number of persons with the means and material necessary for the purpose of setting out works and checking, weighing and assisting in the measurement or examination at any time and from time to time, of the work or the materials. Failing this, the same may be provided by the Architect and Site Engineer at the expense of the Contractor and the expenses may be deducted from any money due to the Contractor under the contract or from his security deposit, or proceeds of sale thereof, or of a sufficient portion thereof.

The Contractor shall then set out the works and shall be responsible for the true and perfect setting out of the same and for the correctness of the positions, levels, dimensions, and alignment of all parts thereof and for provision of all necessary instruments, appliances and labour in connection therewith. The Contractors shall submit to the Employer and Architects on the site plan recorded levels, contours, margins and the verifications of layout within seven days from the date of getting site layout from Architects/Employers.

If at any time any error in this respect shall appear during the progress of the works or within a period of one year from the completion of the works, the Contractor shall, if so required, at his own cost rectify such error to the satisfaction of the Architect. If however, such error is based on incorrect data supplied in writing by the Architect and Site Engineer, the expenses of rectifying the same shall be borne by the Employer.

The checking of any setting out or of any line or level by the Architect and Site Engineer or their representative shall not in any way relieve the Contractor of responsibilities, for the correctness thereof. The Contractor shall carefully protect and preserve all bench-marks, site nails, page and other things used in setting out of the work.

Necessary trial pits, of size 5' x 5' x 5', at minimum two locations on the entire site, shall be done by the

Contractors at their own expense and the report thereof showing different strata with respective bearing capacities and the same shall be submitted to Employers/ Architects/ Consultants. No extra charges shall be paid for the same.

15. **Item rate tender :** The Contractor should note that unless otherwise stated the tender is strictly on item rate basis and his attention is drawn to the fact that the rates for each and every item should be correct, workable and self-supporting. Quantity variation shall be unlimited. The rates shall also be firm and not subject to exchange variations, labour conditions, fluctuations in railway freights or any conditions whatsoever. It shall exclude GST part and shall include other taxes/duty or other levy levied by the Central or State Governments or local authorities, sales tax on works contract if applicable. No claim in respect to the above mentioned shall be entertained by the Employer.

16. **Time limit :** Time shall be the essence of the contract. Time allowed for carrying out the work as mentioned in the memorandum shall be strictly observed by the Contractor and it shall be reckoned from the 7th day after written order to commence the work is issued. The tenderer shall, before commencing work, prepare a detailed work schedule which shall be approved by the Consultants and the Employer. This schedule shall be strictly followed by the Contractor. In the event of extension, it shall no be treated as waiver of this clause.

Liquidated damages/Penalty/ : If the Contractor fails to complete the works by the date stated in the Appendix or within any extended time under relevant clause and if the Architect certifies in writing that in his opinion the same could be reasonably completed. Liquidated damage and penalty to be specified in terms of period and amount also. The Contractor shall pay the Employer the sum named in the Appendix as "Liquidated Damages/ Penalty for delayed" for the period during which the said works shall so remain incomplete and the Employer may deduct such damages from any moneys due to the Contractor, in the following manner :

i) If the contractor fails to complete the work under contract by the stipulated date, he shall pay liquidated damages of 0.5 % of the contract value per week from the date of delaying the said work upto the date of completion and handing over to the Employer.

ii) However also, if the Contractor fails to complete any part of the work as designated in schedule of items/quantities, by the time indicated against such parts, he shall pay Liquidated damages per week, from the date of delaying the said part of the work, upto the date of completion of the said designated part, at the rate shown in the said schedule of the contract, till the said designated part is completed.

iii) The aggregate maximum of liquidated damages payable shall be 0.5% of contract value per week and shall be subject to the maximum amount of 5% of the contract amount.

iv) Delays for requiring payment of 5%, liquidated damages of the amount put to tender for performance shall be sufficient causes for termination of contract and forfeiture of security deposit.

If in the opinion of the Architect the works are delayed

(a) by force majeure or

(b) due to exceptionally inclement weather or

(c) due to delay in proceedings or any dispute with adjoining owners or public authorities arising otherwise than through the Contractor's own fault or

(d) by delay in works of other Sub-contractors or tradesmen engaged/nominated by the Employer or the Architect and not referred to in the Schedule of Items/Quantities and/or Specification or

(e) by reason of Architect's instructions as per relevant Clause or

(f) by reason of civil commotion, local combination of workmen or strike or lockout affecting any of the building trades or

(g) in case of the Contractor not receiving in due time necessary instructions from the Architect for which he has specifically applied in writing or

(i) due to delay in supply of materials by the Employer.

The Architect may, with the previous approval in writing of the Employer make a fair and reasonable extension of time for completion of the contract works. In case of such strike or lockout the Contractor shall give written notice to the Architect immediately. But the Contractor shall nevertheless constantly use his endeavors to prevent delay and shall do all that may be reasonably required to the satisfaction of the Architect to proceed with work. Such extension shall not entitle the contractor to claim escalation in the rate.

17. The Contractor shall furnish, within three days (unless extended by the Architect and Site Engineer) of the order to start the work, the progress schedule in quadruplicate indicating the date of starting, the monthly progress expected to be achieved and the anticipated completion date of each major item of work to be done by him also indicating dates of procurement and setting up the materials, plants and machinery. The Schedule should include a statement of proposed general and detailed arrangements for carrying out works, and of time, order and manner in which it is proposed that these shall be executed. Necessary reports endorsed by the Site Engineers consisting of the labour strength and the materials shall be regularly furnished to the Employer and Architects every week. The Contractor shall include the programme for the forth-coming week in the same report.

The schedule should be formed keeping in view the time limit and the achievement towards completion of the work within the time limit and of the particular items on the dates specified in the contract and shall have the approval of the Architect and Site Engineer. Further, the dates for the progress, as in this schedule shall be adhered to.

In case it is found necessary, at any stage, to alter the schedule, the Contractor shall submit in good time, a revised schedule incorporating necessary modifications proposed and get the same approved from the Architect and Site Engineer. No revised schedule shall be operative without such acceptance in writing. The Architect and Site Engineer in further empowered to ask for more detailed schedule or schedules, say, week by week, for any item or items and the Contractor shall supply the same as and when asked for.

The Architect and Site Engineer shall have, at all times, the right, without in any way vitiating this contract forming grounds for any claim, to alter the order of the work or any part thereof and the Contractor shall after receiving such direction, proceed in the order directed. The Contractor shall also revise the progress schedules accordingly and submit four copies of the revised schedule to the Architect and Site Engineer within seven days of the said Engineer's direction to alter the order of works.

The Contractor shall furnish sufficient plant, equipment and labour and shall work such hours and shifts as may be necessary to maintain the progress of the work as per approved progress-schedule. The working and shift hours shall comply with all Government regulations in force and shall be such, as may be approved by the Architect and Site Engineer and the same shall not be varied without the prior approval of Architect and Site Engineer.

The Contractor shall from time to time, as may be required by the Architect and Site Engineer, furnish the Architect and Site Engineer with a statement in writing of the arrangements he proposes to adopt for the execution of this contract and the Architect and Site Engineer may, if he considers necessary at any time advise alteration in the same, which the Contractor shall adopt on notice thereof.

The progress-schedule(s) shall be in the form of CPM/PERT, forms, statements and/or reports as may be approved by the Architect and Site Engineer. The Contractor shall submit four copies showing the progress of the work in the form of a chart etc. at periodical intervals as may be specified by Architect and Site Engineer.

The approval of the progress-schedules by the Site Engineer shall not relieve the Contractor of any of his duties and responsibilities under the contract. The adoption of any modification in the schedule required by the Architect and Site Engineer shall not entitle the Contractor to any extra payment.

Also three sets of black & white/color photographs every month showing the progress of work duly endorsed by the site Engineer should be submitted with the report. On completion of the work 5 sets of colour photographs as directed by the Architects should be submitted.

18. If the Contractor after receipt of written notice from the Architect requiring compliance within ten days fails to comply with for further drawings/ instructions the Employer may employ and pay other persons to execute any such work that may be necessary to give effect thereto. All costs incurred in connection therewith shall be recoverable from the Contractor by the Employer on the certificate of the Architect as a debt or may be deducted by him from any moneys due to the Contractor.

19. **Default by Contractor :** If, the Contractor shall neglect or fails to proceed with the work with due diligence or if he violates any of the provisions of the Contract, the Architect and Site Engineer shall give the Contractor a notice, identifying deficiencies in performance and demanding corrective action. Such notice shall clearly state that it is given under the provision of this clause. After service of such notice, the Contractor shall not remove any plant, equipment and material from the site. The Employer shall have a legal claim on all such plant, equipment and material from the date of such notice till the said deficiencies have been corrected as mentioned in the said notice.

If the Contractor fails to take satisfactory corrective action within ten days after receipt of such notice, the Architect and Site Engineer on behalf of the Employer shall terminate the contract in whole. In case, the entire contract is terminated, the amount of security deposit, Earnest money deposit and Retention amount, if any, together with the value of the work done but not paid for, shall stand forfeited to the Employer. The plants equipment and material held under this clause shall then be at the disposal of the Employer to recover the amount equivalent to the liquidated damages and registration of the Contractor shall be kept in abeyance for three years from the date as fixed in all such cases.

The Architect and Site Engineer if necessary shall direct that a part or the whole of such plant, equipment and material be removed from the site within a stipulated period, if the Contractor fails to do so, the Architect and Site Engineer shall cause them or any part of them to be sold holding the net proceeds of such sale to the credit of the Contractor. After settlement of accounts, the lien by the Employer on the Contractors remaining plant equipment and balance of material shall be released.

If the Contractor being an individual or a firm or a incorporate company, commits any "act of insolvency", or shall be adjudged as an insolvent or being an Incorporated Company shall have an order for compulsory winding up, made against it or passed as an effective resolution for winding up voluntarily or subject to the supervision of the court and the official Assignee or the Liquidator in such acts of insolvency or winding up, as the case may be, shall be unable within seven days after notice to him requiring him to do so, to show up giving a satisfactory reason to the Architect that he is able to carry out and fulfil the contract and to give security therefor, if so required by the Architect.

Or if the Contractor (whether an individual, firm or incorporate Company) shall suffer execution or other process of court attaching property to be issued against the Contractor.

Or shall suffer any payment under this contract to be attached by or on behalf of any of the creditors of the Contractor.

Or shall assign or sublet this contract without the consent in writing of the Employer first had and obtained.

Or shall charge or encumber this contract or any payments due or which may become due to the Contractor hereunder.

Or if the Architect shall certify in writing to the Employer that the Contractor

i) Has abandoned the contract, or

ii) Has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the works for fourteen days after receiving from the Architect notice to proceed, or

iii) Has failed to proceed with the works with such due diligence and failed to make such due progress

as would enable the works to be completed within the time agreed upon, or,

iv) Has failed to remove materials from the site or to pull down and replace work for seven days after receiving from the Architect written notice that the said materials or work were condemned and rejected by the Architect under these conditions, or

v) Has neglected or failed persistently to observe and perform all or any of the acts, matters or things by this contract to be observed and performed by the Contractor for seven days after written notice shall have been given to the Contractor requiring the Contractor to observe or perform the same.

Then and in any of the said cases the Employer may, notwithstanding any previous waiver, after giving seven days' notice in writing to the Contractor, terminate the contract, but without thereby affecting the powers of the Architect or the obligations and liabilities of the Contractor, the whole of which shall continue in force as fully as if the Contract had not been so terminated, and as if the works subsequently executed had been executed by or on behalf of the Contractor, And further, the Employer by his agents or servants may enter upon and take possession of the works and all plants, tools, scaffolding, sheds, machinery, steam and other power utensils and materials laying on the premises or the adjoining lands or roads, and use the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by employing any other Contractor or other person or persons to complete the works, and the Contractor shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other Contractor or other person or persons employed for completing and finishing or using the materials and plant for the works. When the works shall be completed or as soon thereafter as convenient the Architect shall give a notice in writing to the Contractor to remove his surplus materials and plant, and should the Contractor fail to do so within a period of fourteen days after receipt thereof by him the Employer may sell the same by [Public auction], and give credit to the Contractor for the net amount realized. The Architect shall thereafter ascertain and certify in writing under his hand what (if anything) shall be due or payable to, or by the Employer, for the value of the said plant and materials so taken possession of by the Employer and the expenses or loss which the Employer shall have been put to in procuring the works to be completed, and the amount, if any, owing to the Contractor and the amount which shall be so certified shall thereupon be paid by the Employer to the Contractor or by the Contractor to the Employer, as the case may be, and the certificate of the Architect shall be final and conclusive between the parties.

If, at any time, after the acceptance of the tender, the Employer shall for any reasons whatsoever not require the whole or any part of the works to be carried out, the Architect shall give notice in writing to the Contractor who 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 whole works.

Without prejudice to any of the rights or remedies under this contract, if the Contractor, being an individual, dies, the Employer shall have the option of terminating the contract without incurring any liability for such termination.

Termination of the contract in whole shall be an adequate authority for the Architect and Site Engineer to demand discharge of the obligations from the guarantors of the security for the performance.

20. Notwithstanding any dispute, the contractor shall not stop the work claiming any dispute with the architect/ employer or resolution of the dispute through arbitration or otherwise is pending. Contractor shall continue to work uninterruptedly despite any dispute whether or not resolved or referred to arbitration. If the employer is of the opinion that, contractor is not proceeding with the work because of any dispute the architect/ employer shall be entitled to hold such and act of contractor as an abandonment of the contract.

In the event of the abandonment of the contract the employer shall be entitled to appoint other agency at the risk and cost of the contractor or to carry out the wok departmentally and the contractor shall not obstruct employer, employer's agency in completion of the work/project. if the contractor creates any obstruction in completion of work/project, the employer shall be entitled to forcibly prevent him.

21. The Contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work due to modifications, delays in connected subcontracts, procurement of government controlled or other building materials, obtaining water and power

connections or for any other reasons whatsoever. The Employer shall not be liable for any claim in respect thereof nor accept any liability for any sum provided for therein.

22. **Extra works :** The Contractor may, when authorised, and shall, when directed, in writing by the Architects with the approval of the Employer add to, omit from, or vary the works shown upon the drawings, or described in the specification, or included in the Schedule of Items/Quantities, but the Contractor shall make no addition, omission or variation without such authorization or direction. A verbal authority or direction by the Architects shall, if confirmed by them in writing within seven days, be deemed to have been given in writing.

No claim for an extra shall be allowed unless it shall have been executed under provisions of its relevant clause or by the authority of the Architects with the concurrence of the Employer as herein mentioned. Any such extra as herein mentioned, is referred to as authorised extra and shall be made in accordance with the following provisions.

a) i. The net rates or prices in the original tender shall determine the valuation of the extra work where such extra work is of similar character and executed under similar conditions as the work priced therein.

ii. Rates for all items, wherever possible, should be derived out of the rates given in the priced Schedule of Items/Quantities, i.e. on pro-rata basis as far as possible.

b) Where the extra works are not of similar character and/or executed under similar conditions as aforesaid or where the omissions vary the conditions under which any remaining items of works are carried out or if the amount of any omissions or additions relative to the amount of the whole of the contract works or to any part thereof shall be such that in the opinion of the Architect the net rate of price contained in the Priced Schedule of Items/Quantities or tender or for any items of works involves loss or expense beyond that reasonably contemplated by the Contractor or is by reason of such omission or addition rendered unreasonably or inapplicable, the Architect shall fix such other rate or price as in the circumstances he shall think reasonable and proper, with the prior approval in writing of the Employer, **on the basis of prevailing market rate of materials + Estimated cost of Labour + 1.5% Overhead cost of running plant/equipments and Tools [if applicable respect to execution of works then to be paid] + 15% for Contractor overhead & profit.** Extra / Non Tender Items shall be executed only after approval of rate from Architect / Consultant. Architect / Consultant will issue order / certified copy of Non Tender Items for such extra works.

c) Where extra work cannot be properly measured or valued the Contractor shall be allowed day work prices as per the net rates considered at the time of quoting the tender or, if not so considered, then in accordance with the local day work rates and wages for the district; provided that in either case vouchers specifying the daily time (and if required by the Architect, the workmen's names) and materials employed be delivered for verification to the Architect or his representative at or before the end of the week following that in which the work has been executed.

The measurement and valuation in respect of the Contract shall be completed within the "Period of final measurements" stated in the Appendix or if not stated then within six months of the completion of the Contract works as defined in relevant clause.

23. The Contractor shall submit in advance a statement of extra items with supporting vouchers/invoices/other necessary supporting documents to Architect’s / consultant for approval and certification. Only on approval / certification, he is bound to carry out any extra items of work, necessary for the completion of the job even though the items may not be included in the Schedule of items/quantities. Schedule of instructions in respect of such additional items and their approximate quantities shall be issued in writing by the Architects.

24. **Sub-contracts:** For the provisional items/sums indicated in the tender, if the work is awarded directly/separately to a specialized agency. All Specialists, Merchants, Tradesmen and others employed thus to execute any work of provisional items/sums included in the Schedule of Items/Quantities and/or Specifications who may be nominated or selected by the Architect are hereby declared to be Sub-Contractors employed by the Contractor and are herein referred to as nominated Sub-Contractors.

No nominated Sub-Contractors shall be employed in connection with the works against whom the Contractor shall have reasonable objection or (save where the Architect and Contractor shall otherwise agree) who shall not enter into a Contract providing:

a) That the nominated Sub-Contractor shall indemnify the Contractor against the same obligations in respect of the Sub- Contract as the Contractor is under in respect of this contract.

b) That the nominated Sub-Contractor shall indemnify the Contractor against claims in respect of any negligence by the Sub-Contractor, his servants or agents or any misuse by him or them of any scaffolding or other plant, the property of the Contractor or under any workmen's compensation Act in force.

c) Payment shall be made to the nominated Sub-Contractor within fourteen days of his receipt of the Architect's certificate. Also, before any such certificate is issued the Contractor shall upon request furnish proof to the Architect that all nominated Sub-Contractors accounts included in previous certificates have been duly discharged; in default whereof the Employer may pay the same upon a certificate of the Architect and deduct the amount thereof from any sums due to the Contractor. The exercise of this power shall not create privity of contract as between Employer and Sub-Contractor.

25. The Contractor must co-operate with other Contractors appointed by the Employer so that the work shall proceed smoothly with the least possible delay and to the satisfaction of the Architects.

26. **Materials, its sample approval, its procurement and storage:** The Contractor should make his own arrangement to obtain all materials required for the work, except otherwise stated. All materials shall, so far as procurable, be of the respective kinds described in the Schedule of Items/Quantities and/or specifications and in accordance with the Architect's instructions, and the Contractor shall upon the request of the Architect furnish him with all invoices, accounts, receipts and other vouchers to prove that the materials comply therewith. The Contractor shall at his own cost arrange for and/or carry out any test of any materials which the Architects may require.

The Contractor shall submit, samples of all the finishing materials, to the Architects/ Consultants, for approval, as directed by the Architects/Consultants much in advance, so as to avoid any complications regarding availability. Also, whenever samples are to be prepared for approval the same shall be prepared immediately on receipt of the drawings and got approved by the Architect/ Consultant/Client. The contractors will maintain proper records of materials and other inputs. It shall be periodically reported to the Site Engineer or Architects / Consultant. Contractor shall submit the copy of material inventory along with every R.A. Bill for records and certification.

Approval of the samples of various materials given by the Site Engineer and Architects shall not absolve the Contractor from the responsibility of replacing defective material brought on site or materials used in the work found defective at a later date. The Contractor shall have no claim to any payment or compensation whatsoever on account of any such materials being rejected by the Site Engineer and Architects. No collection of material shall be made before it is approved by the Site Engineer and Architects.

The Architect shall, during the progress of the works, have to order in writing from time to time the removal from the works, within a period specified in the order, of any materials which in his opinion are not in accordance with the specifications or his instructions , the substitution of proper materials, and the removal and proper re-execution of any work executed with materials or workmanship not in accordance with the drawings, specifications or instructions; and the Contractor shall forthwith carry out such order at his own cost. In case of default on the part of the Contractor to carry out such order, the Employer shall have the power to employ and pay other persons to carry out the same; and all expenses consequent thereon, or incidental thereto, as certified by the Architect shall be borne by the Contractor, or may be deducted by the Employer from any moneys due, or that may become due, to the Contractor.

27. **Authorized permissions:** The Contractor shall approach, directly to the Municipal and other authorities for obtaining the type of permission required by law mainly, fire NOC, Plinth Check, Building Use Permission, Water and Sewerage Connection, Permanent Electrical Connection etc all required till the Handing over of the building fit for ready to use purpose..

All fees for the supply of good quality water, including obtaining municipal connection and drainage connection for his labor, Building use Permission Charges, Fire NOC etc shall be borne by the Contractor and fees if any payable for permanent connections shall be initially paid by the Contractor and the Employer shall reimburse the amount on production of the receipts.

28. **Electricity:** Employer shall give power supply to the contractor at one point. The Contractor shall install and maintain at its own cost, an electric meter (Electric board supplier/Electric supply Authority, approved and sealed), cables, switches, ELCB branch connection earthings, protective and safety devices etc., approved by Owner/Electrical Consultant for distribution and measurement of the electrical consumption. The Contractor shall also arrange for necessary permission for all electrical installation, cabling etc.

The Contractor shall be responsible for providing and maintaining the whole of the installation on the load side of supply, as well as all safety aspects covered under I.E. act/I.E. rules, National Electric Code etc. All necessary/safety precaution must be taken and the Contractor's electrical installation shall be subject to the approval by the Owner/Engineer in-charge and must comply with the requirement of the appropriate statutory authorities. Contractor shall not use welding sets for cutting works. Three phase welding machine is preferred.

All charges towards temporary connection shall be paid by the contractor and same shall not be reimbursed. All charges towards permanent connection shall be initially paid by the contractor and the Employer shall reimburse the amount on production of the receipts.

An Energy meter to be installed at site by Power Provider agency for recording the power consumed by the contractor and same shall be recovered at the prevailing rate of electricity by the power provider agency on the basis of actual billing on a monthly basis.

If any point of time, during the period of contract, the energy meter is found to be faulty, the electricity charges shall be recovered from the Running Account Bills of the contractor at 0.5% of the value of work done during the particular period if in case of power failure the contractor will be liable to arrange alternative arrangement by way of installing DG set & for the same at no additional charges will be paid.

The Contractor's rate and prices shall be deemed to be inclusive of all such charges and costs in respect of supplying and maintaining electrical installation. The Contractor shall not have any claim whatsoever on account of failure of power supply.

If contractor desires, then he can give power connection in the labour colony. Contractor shall not increase the electrical load unless it is approved by Site Engineer. Contractor is responsible for safety of his personnel, and the third party, working in the area of Contractor's work site.

Owner shall have right to disconnect, the power supply for any irregularities observed in the above conditions, and no claim of the Contractor for cost over run shall be entertained, for loss of time due to the same.

Contractor shall provide licensed Electrical Supervisor/ Electrician for operation and maintenance of his electrical installation.

30. **Water supply:** Employer shall supply water from one point at the site. The Contractor shall arrange at his own cost the required distribution lines. The Contractor shall not have any claim whatsoever on account of failure of water supply at any time. The Contractor's rates and prices shall be deemed to be inclusive of all such charges and costs. Charges for water supply will be recovered by 1% from every running bill.

The Contractor shall arrange for sufficient storage of water to ensure continuity of work. If municipal water is not available and should it be necessary bring water from outside by tankers, the Employer shall not be liable to pay any charges in connection therewith.

31. **Adhere to the Safety code:** The Contractor shall strictly comply with the provisions of safety code annexed hereto as well as all laws pertaining to labour etc.

32. **Insurance :** The Contractor has to take full insurance for **Workmen's compensation up to Rs 10,00,000/-**, **Third party and Contractor's all risks (CAR)** indemnifying the Employers, Architects and Consultants against all losses and damages arising out of any mishap on site, or any claims whatsoever. Insurance policy has to be approved by Site Engineer or architect. Contractor will have to submit all insurance policies before staring of work at site. Necessary warning signs shall have to be put up by the Contractor.

33. **Rolling margin for steel:** For rolling margin of steel bars, no allowances shall be given to the Contractor and the same shall be measured as per standard weight.

34. **Testing :** Necessary cube tests, mix design and steel tests shall be done by the Contractors at their own expense and the report thereof showing different strength, compressive and tensile respectively, shall be submitted to Employer, Architect & Consultants. No extra charges shall be paid for the same.

Contractor has to arrange for cube testing machine at site or get it tested from outside laboratory as approved by Site Engineer or Architects, for regular cube tests as per the requirements of consultant and I.S. specifications. Register in the prescribed Performa as per consultant or Architects, showing test result of materials and work tests shall be maintained at the site of work by the Contractor and every entry thereof shall invariably be signed by the Contractor or his authorised representative in token of its correctness. This register should be submitted at every month along with bill.

35. **Project-in-charge:** The Contractor shall employ full-time technically qualified staff during the execution of the work. Details of probable staff to be appointed at the time of execution shall be submitted at the time of submission of Bid document.

The staff employed for the work must have sufficient experience to handle the work independently. They shall have to stay at the site of work and shall not be entrusted with any other duty except of this work.
The Contractor shall inform the Employers/ Architects/ Consultants about the name of the qualified Project-in-charge for necessary co-ordination, discussions, site meetings, and smooth execution of the job.

36. **Measurements :** All works shall be measured net by standard measure and according to the rules and customs of the Mode of Measurement, IS : 1200, without reference to any local custom.

The Consultant from time to time shall intimate the Contractor and the Employer that he requires the works to be measured. The Contractor shall forthwith attend to or send qualified personnel to assist, in all respects, the Consultant's personnel and Employer's Site Engineer, in taking such measurements and calculations.

In " Mode of Measurement" in the specifications wherever a dispute arises in the absence of specific mention of particular point or aspect, the provisions on these particular points or aspects in the relevant Indian Standards shall be referred to.

All measurements and computations, unless otherwise specified, shall be carried out nearest to the following limits;

1) Length, width and depth (height/thickness)---------- 0.01 m.

2) Areas----------0.01 m^2

3) Cubic Contents---------- 0.01 m^3

In recording dimensions of work, the sequence of length, width and height (depth) or thickness shall be followed.

37. Billing for the entire work shall be in the computerized form o and a conventional hard copy to be submitted. The Architects shall give the format for the same. 60% adhoc payment shall be made on the amount certified by the Site Engineer with in seven days from the date of submission of bill.

A bill, on a soft copy as well with a hard copy, signed by the Site Engineer/Project Engineer, on each

page, shall be submitted by the Contractor each month on or before the date fixed by the Architect and Site Engineer for all works executed in the previous month and the Architect and Site Engineer shall take requisite measurement for the purpose of having the same verified and the claim, so far as it is admissible, shall be adjusted, if possible, within ten days from presentation of the bill.

The Contractor shall, on submitting a monthly bill therefore, be entitled to receive payment proportionate to the part of the work then approved and passed by the Architect and Site Engineer, whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the Contractor. All such intermediate payments shall be regarded as payments by way of advance against the final payments only and not as payments for work actually done and completed and shall not preclude the Architect and Site Engineer from required bad, unsound, imperfect or unskilled work to be removed and taken away and reconstructed, or re-erected, nor shall any such payment be considered as an admission of the due performance of the contract or any part thereof in any respect or the accruing of any claims, nor shall it conclude, determine, or affect in any way the power of the Architect and Site Engineer as to the final settlement and adjustment of the accounts or otherwise or in any other way very or effect the contract.

The rates for items of works shall be valid only when the item concerned is accepted as having been completed fully accordance with the sanctioned specifications. In cases where the items of work are accepted as not so completed, the Architect and Site Engineer may make payment on account of such items at such reduced rates as he may consider reasonable in preparation of final or `on account bill'. The charges to be made in the bills shall always be entered at the rates specified in the agreement or at the part/reduced rates subject to the approval by the Architect and Site Engineer in case of items not completed/ executed as per agreements or in the case of any extra work ordered in pursuance of these conditions and not mentioned or provided for in the tender, at the rate hereinafter provided for such work. The copy of the corrected and certified bill, on the soft copy and in hard copy wherever changes/errors are indicated shall be returned to the Contractor, for his own scrutiny and record. The changes/errors indicated, shall be highlighted in the hard copy, for easy pinpoint of the same.

The Contractor shall be paid by the Employer from time to time by installments under Interim certificates issued by the Architect to the Contractor on account of the works executed in accordance with this contract. The certificates, in the opinion of the Architect, works to an approximate value named in the Appendix as "Value of work for Interim certificates" (or less at the reasonable discretion of the Architect) has been executed, subject however, to a retention of the percentage of such value named in the Appendix hereto as "Retention percentage for Interim certificates" until the total amount retained shall reach the sum named in the Appendix as "Total Retention Money" after which the Installments shall be upto the full value of the work subsequently so executed and fixed in the building. The Architect may in his discretion include in the Interim certificate such an amount, as he may consider proper on account of materials delivered upon the site by the Contractor for use in the works. Once the works have been virtually completed and the Architect have certified in writing that they have been completed, the Contractor shall be paid by the Employer in accordance with the certificate issued by the Architect specifying the sum of money named in the Appendix as "Installment after Virtual Completion" being a part of the said Total Retention Money. The Contractor shall be entitled to the payment of the Final Balance in accordance with the Final Certificate issued in writing by the Architect at expiration of the period referred to as "the Defects Liability Period" in the Appendix hereto from the date of ***virtual completion*** or soon after the expiration of such period as the works shall have been finally completed and all defects made good according to the true intent and meaning hereof whichever shall last happen. The issue of such a certificate by the Architect during the progress of the works or at or after their completion shall not relieve the Contractor from his liability under relevant clauses nor relieve the Contractor of his inability in cases of fraud, dishonesty, or fraudulent concealment relating to the works or materials or to any matter dealt with in the certificate, and in case of all defects and insufficiencies in the works or materials which a reasonable examination would not have disclosed. No certificate of the Architect shall of itself be conclusive evidence that any works or materials to which it relates are in accordance with the contract neither shall the Contractor have a claim for any amounts which the Architect might have certified in any interim bill and paid by the Employer and which might subsequently be discovered as not payable and in this respect the Employer's decision shall be final and binding.

The Architect shall have power to withhold any certificate if the works or any parts thereof are not being carried out to his satisfaction.

Contractor should not stop the works at site due to delay from Site Engineer or architect regarding certification of monthly bill.

The Architect may in any certificate make any correction, may it be a certificate, previously certified and issued by him.

The Architect shall issue no certificate of payment if the Contractor fails to insure the works and keep them insured till the issue of the Virtual Completion Certificate.

Payments upon the Architect's certificate shall be made within the periods named in the Appendix as "Period for honour of certificates" after such certificates has been delivered to the Employer.

If payment of the amount payable by the Employer certified by the Architect shall be in arrears and unpaid for thirty days even after a notice in writing requiring payment, have been given by the Contractor to the Employer, or if the Employer interferes with or obstructs the issue of any such certificate, or if the Employer shall repudiate the contract, or if the works be stopped for three months under the order of the Architect or the Employer or by any injunction or other order of any court of law, then in any of the said cases the Contractor shall be at liberty to determine the contract by notice in writing to the Employer, through the Architect, and he shall be entitled to recover loss he may sustain upon any plant or materials supplied or purchased or prepared for the purpose of the contract.

In arriving at the amount of such payment the net rates contained in the Contractor's original tender shall be followed, or where the same may not apply, valuation shall be made in accordance with relevant clause.

The final bill shall be submitted by the Contractor within forty-five days of the completion of the work, otherwise the Architect and Site Engineer's certificate of the measurements and of the total amount payable for the work shall be final and binding on all parties.

The Employer shall have a right to cause a technical examination of the works and the final bill of the Contractor including all supporting vouchers, abstracts, invoices, material conciliation etc. to be made at the time of payment of the final bill. If as a result this examination or otherwise any sum is found to have been overpaid or over certified it shall be lawful for the Employer to recover the sum.

All payment to the contractor shall be subject to TDS under income tax act and other statutory deduction as applicable form time to time.

38. **Escalation: No escalation shall be given under any circumstances during contract/ extended period for any reason whatsoever**.

39. **Work to be covered up :** As soon as the work is completed, the Contractor shall give a notice of such completion to the Architect and Site Engineer and on receipt of such notice, the Architect and Site Engineer shall inspect the work, and if he is satisfied that the work is completed in all respects.

40. **Defects Liability :** Any defect, shrinkage, settlement or other faults which may appear within the "Defects Liability Period" stated in the Appendix here-to or, if non stated, then within **twelve months** after the virtual completion of the works, arising in the opinion of the Architect from materials or workmanship not in accordance with the contract, shall upon the directions in writing of the Architect, and within reasonable time as shall be specified therein, amended and made good by the Contractor, at his own cost and in case of default the Employer may employ and pay other persons to amend and made good such defects, shrinkage, settlements or other faults, and all damages, loss and expenses consequent thereon or incidental thereto shall be made good and borne by the Contractor and such damage, loss and expenses shall be recoverable from him by the Employer or may be deducted by the Employer, upon the Architect's certificate in writing from any money due or that may become due to the Contractor, or the Employer may in lieu of such amending and making good by the Contractor, deduct from any moneys due to the Contractor, a sum, to be determined by the Architect equivalent to the cost of amending such work and in the event of the amount retained under relevant clause being insufficient, recover the balance from the Contractor, together with any expenses the Employer may have incurred in connection therewith. Should any defective work have been done or material supplied by any Sub-Contractor employed on the works who has been nominated or approved by the Architect as provided in

relevant Clause, the Contractor shall be liable to make good in the same manner as if such work or material had been done or supplied by the Contractor and been subject to the provisions of this Clause and relevant clause. The Contractor shall remain liable under the provisions of this Clause notwithstanding the signing of any certificate or the passing of any accounts, by the Architect.

41. **Damages :** The Contractor shall provide all necessary fencing and lights required to protect the public form accident and shall also be bound to bear expenses of defence of every suit, action or other legal proceeding at law that may be brought by any person for all injury to persons, animals or things & for all structural and decorative damage to property arising out of negligence/ carelessness, accident or any other cause by the Contractor or any of the nominated Sub-Contractor or any employee of either. Any damages and costs which may be awarded in any such suit, action or proceedings to any such person, or which may, with the consent of the Contractor, be paid, on any claim put up by any such persons, shall be borne by the Contractor.

This clause shall also include for any damage to buildings, whether immediately adjacent or otherwise, any damage to roads, streets, footpaths, bridges or ways as well as all damage caused to the buildings and works forming the subject of this contract by frost, rain, wind or any other adverse weather conditions.

The Contractor shall indemnify the Employer/ Architect/ Consultants and not hold against for any expenses arising from injury or damage to persons or property as aforesaid, for any claim made in respect of injury or damage under any Acts of any legislature or otherwise and also in case of any award of compensation or damages consequent upon such claim.

The Contractor shall reinstate all damages of every sort mentioned in this clause, so as to deliver up the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property of third parties.

The Contractor shall indemnify the Employer against all claims which may be made against the Employer by any member of the public or other third party in respect of anything which may arise in connection to the works or in consequences thereof and shall at his own expense arrange to effect and maintain until the virtual completion of the contract, with an approved office a policy of insurance in the joint names of the Employer and the Contractor against such risks and deposit such policy or policies with the Architect from time to time during the currency of this contract.

The Contractor shall be responsible for any liability which may be excluded from the insurance policies above referred to and also for all other damages to any person, animal or property arising out of the incidental to the negligent or defective carrying out of this contract. He shall also indemnify the Employer in respect of any costs, charges or expenses arising out of any claim or proceedings and also in respect of any award of compensation or damages, arising therefrom.

The Employer shall with the concurrence of the Architect be entitled to deduct the amount of any damage, compensation, costs, charges and expenses arising or accruing from, or in respect of, any such claims or damage from any or all sums due or to become due to the Contractor, without prejudice to the Employer's other rights in respect thereof.

Compensation for all damage done intentionally or unintentionally by Contractor's labours whether in or beyond limits of the Employer's property including any damage caused by the spreading of fire mentioned in the relevant clause, shall be estimated by the Architect and Site Engineer, and the estimates of the Architect and Site Engineer shall be final and the Contractor shall be bound to pay the amount of the assessed compensation of demand, failing which the same shall be recovered from the Contractor, as damages, deducted by the Architect and Site Engineer from any sums that may be due or become due to the Employer, of the Contractor under this contract or otherwise.

The Contractor shall bear the expenses of defending any action or other legal proceedings that may be brought by any person for injury sustained by him owing to neglect of precautions to prevent the spread of the fire and he shall also pay the damages and cost that they may be awarded by the court in consequence.

The Contractor shall be responsible for and shall pay the expenses of providing medical aid to any

workmen who may suffer a bodily injury as a result of an accident. If such expenses are incurred by Government, the same shall be recoverable from the Contractor forthwith and be deducted, without prejudice to any other remedy of Government, from any amount due or that may become due to the Contractor.

The Contractor shall provide all necessary personal safety equipment and first-aid apparatus available for the use of the persons employed on the site and shall maintain the same in suitable condition for immediate use at any time and shall comply with the following regulations in connection therewith.

(a) The workers shall be required to use the equipment so provided by the Contractor and the Contractor shall take adequate steps to ensure proper use of the equipment by those concerned.
(b) When works is carried out in proximity to any place where there is a risk of drowning, all necessary steps shall be taken for the prompt rescue of any person in danger.
(c) Adequate provision shall be made for prompt first-aid treatment of all injuries likely to be sustained during the course of the work.

42. **Workmen's Compensation Act :** If, for any reason, the Employer is obliged, by virtue of the provisions of the workmen's compensation Act, 1923 or any statutory modification or re-enactment thereof to pay compensation to a workmen employed by the Contractor in execution of the works, the Employer shall be entitled recover from the Contractor the amount of compensation so paid, and without prejudice to the rights of the Employer under the said Act. The Employer 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 the Employer to the Contractor under this contract or otherwise. The Employer shall not be bound to contest any claim made against it under the said Act, except on the written request of the Contractor and upon his giving to the Employer full security to the satisfaction of the Employer for all costs for which the Employer might become liable in consequence of contesting such claim.

The Contractor shall also similarly indemnify the Employer against all claims which may be made upon the Employer whether under the workmen's compensation Act or any other statue in force during the currency of this contract or at common law in respect of any employee of the Contractor or any Sub-Contractor and shall at his own expense effect and maintain, until the virtual completion of the contract, with an approved office a policy of insurance in the joint names of the Employer and the Contractor against such risks and deposit such policy or policies with the Architect from time to time during the currency of the contract.

43. **Arbitration :** Any dispute/difference arising/relating to or out of the contract between the employer and contractor shall be resolved through arbitration. It is clarify that certificate of architect/Site Engineer with regards to work done shall be binding on the parties and shall not be questioned in the arbitration. Certificate issued by the architect in respect of quality and quantum of work approved by Site Engineer shall be final and binding on the parties.

In case of disputes, the party concerned is required to bring to the notice of the Site Engineer in writing and if not resolved within 30 days from the date of notice, in that case only, the parties shall be at liberty to evoke arbitration clause by 15 days' notice.

Such written notice shall specify the matters which are in dispute or difference of which such written notice has been given and no other shall be and is hereby referred to the arbitration and final decision of an arbitrator to be agreed upon and appointed by both the parties or, in case of disagreements as to the appointment of a single arbitrator, to the appointment of two arbitrators, one to be appointed by each party, which arbitrators shall, before taking upon themselves the burden or reference, appoint an Umpire. The venue for such arbitration shall be at Ahmedabad.

44. The Contractor shall on the request of the Architect/Employer immediately dismiss from the works any person employed thereon by him who may, in the opinion of the Architect, be incompetent or misconduct himself and such persons shall not be again employed on the works without the permission of the Architect.

45. **Site open for inspection:** The Employer, Architect and their respective representatives shall at all reasonable times have free access to the work and/or to the workshops, factories or other places where materials are lying or from which they are being obtained and the Contractor shall give every facility to

the Employer, Architect and their representatives necessary for inspections and examination and test of the materials and workmanship. No person not authorised by the Employer or Architect except the representatives of public authorities shall be allowed on the works at any time.

All works under or in course of execution or executed in pursuance of the contract shall, at all times, be open to the inspection and supervision of the Architect and Site Engineer and his subordinate and the Contractor shall at all times during the usual working hours, and at all other times at which reasonable notice of the intimation of the Architect and Site Engineer or his subordinate to visit the works shall have 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 duly authorised agent shall be considered to have the same force and effect as if they had been given to the Contractor himself.

46. The term **"Site Engineer/C.O.W."** shall mean the person appointed and paid by the Employer and acting under the orders of the Architect to inspect the works in the absence of the Architect. The role and responsibility with remuneration may be specified. The Contractor shall afford the Site Engineer/ C.O.W. every facility and assistance for inspecting, checking and measuring the works and materials. Neither the Site Engineer/C.O.W. nor any representative of the Architect shall have power to set out works or to revoke, alter, enlarge or relax any requirements of the contract, or to sanction any day work, additions, alterations, deviations or omissions, or any extra work whatever except that such authority may be specially conferred by the order of the Architect with the prior concurrence in writing of the Employer.

The Site Engineer/C.O.W. or any representative of the Architect, or the Employers shall have power to give notice to the Contractor or to his representative of non approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued until the decision of the Architect is obtained. The work shall from time to time be examined by the Architect, the Site Engineers/C.O.W. or the Architect's representative but such examination shall not in any way exonerate the Contractor from the obligation to remedy any defects which may be found to exist at any stage of the works or after the same is completed. Subject to the limitation of this clause the Contractor shall take instructions only from the Architect.

47. The Contractor shall submit three sets of AS BUILT drawings as per progress.

48. **Treasure trove :** In the event of the discovery by the Contractor or his employees during the progress of the work, of any treasure trove, fossils, minerals or other articles or things of interest, the Contractor shall immediately give notice thereof, to the Architect and Site Engineer and forthwith hand over the same to them. Such treasure or other things shall be the property of the Department.

49. Contractor shall observe compliance of all laws including laws applicable to labour and shall maintain required records and register and submit returns, forms etc. regularly to competent authority/authorities. The contractor furnishes notified/certified true copy of all such records and returns alongwith-running bill. The contractor shall discharge pecuniary and other liabilities under the labour laws and furnish the proof thereof. The contractor shall permit access to such records, register and returns maintained pertaining to labour to the employer and/or his representative whenever required. The contractor shall preserve the records at least for 3 years after completion of works or such further time required by the employer. The contractor shall indemnify and keep indemnified employer against pecuniary and/or other liabilities for breach of/ non compliance of any labour/ any other laws and shall defend litigation/actions at his cost and consequences in this regards.

50. Priority List : The priority list for approval of the materials for all the items of works shall be as follows :

a. As approved by the Consultant.
b. ISI marked.
c. Conforming to IS.

d. As per the Road & Building SOR Gandhinagar 2023-24.
e. As per the make specified in the relevant item of work.
f. Equivalent to the make specified.

SAFETY CODE

1. Suitable scaffolds, of sound material, having adequate strength and in proper condition, shall be provided for workmen for all works that cannot be safely done from the ground or from solid construction except such short period work as can be done safely from ladders. When a ladder is used an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well, suitable footholds and handhold shall be provided on the Ladder and the ladder shall be given an inclination not steeper than ¼ to 1 (¼ horizontal and 1 vertical). Scaffolds shall not be overloaded and so far as practicable the load shall be evenly distributed. Before installing the lifting gear on scaffolds, special precaution shall be taken to ensure strength and stability of the scaffolds. Scaffolds shall be periodically inspected by competent person. Before allowing a scaffold to be used by his workman, the Contractor shall, whether the scaffold has been erected by his workmen or not, take steps to ensure that is complies fully with the regulations herein specified.

2. Scaffolding or staging more than 3.25 meters above the ground or solid construction, swung or suspended from an overhead support or erected with stationary support, shall have a guard rail properly attached, bolted, braced and otherwise secured at least 1 meter high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such openings as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.

3. Working platform, gangways, and stairways shall be so constructed that they do not sag unduly or unequally, and if height of a platform or gangway or stairways is more than 3.25 meters above ground level or solid construction, it shall be closely boarded, have adequate width and be suitably fenced, as described in 2 above.

4. Every opening in floor of a building or in a working platform shall be provided with suitable means to prevent fall of persons or materials by providing suitable fencing or railing with a minimum height of 1 meter.

5. Safe means of access shall be provided to all working platform and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9 meters in length. Width between side rails in a rung ladder shall in no case be less than 30 cm. for ladders upto and including 3 meters in length. For longer ladders this width shall be increased at least 6 mm. for each additional 30 cm. of length. Uniform step spacing shall not exceed 30 cm.

   Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites shall so stacked or placed as to cause danger or inconvenience to any person or the public. The Contractor shall provide all necessary fencing and lights to protect public from accidents and shall be bound to bear expenses of defence of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and costs which may be awarded in any such suit, action or proceedings to any such person or which may with the consent of the Contractor be paid to compromise any claim by any such person.

6. **Excavation and Trenching :** All trenches, 1.5 meters or more in depth, shall at all times be supplied with at least one ladder for each 30 meters in length or fraction thereof. Ladder shall be extended from bottom of trench to at least 1 meter above surface of the ground. Sides of a trench which is 1.5 meters or more in depth shall be stepped back to give suitable slope, or securely held by timber bracing so as to avoid the danger of sides collapsing. Excavated material shall not be placed within 1.5 meters of edge of trench or half of depth of trench, whichever is more. Cutting shall be done from top to bottom. Under no circumstances shall undermining undercutting be done.

7. **Demolition :** Before any demolition work is commenced and also during the process of the work

   a) All roads and open areas adjacent to the work site shall either be closed or suitably protected.

   b) No electric cable or apparatus which is liable to be a source of danger over a cable or apparatus used by operator shall remain electrically charged;

c) All practical steps shall be taken to prevent danger to persons employed, from risk or fire or explosion or flooding. No floor, roof, or other part of a building shall be so overloaded with debris or materials as to render it unsafe.

8. All necessary personal safety equipment as considered adequate by the Site Engineer shall be available for use of persons employed on the site and maintained in a condition suitable for immediate use; and the Contractor shall take adequate steps to ensure proper use of equipment by those concerned.

a) Workers employed on mixing asphaltic materials, cement and lime mortars/concrete shall be provided with protective footwear and protective goggles.

b) Those engaged in handling any material which is injurious to eyes shall be provided with protective goggles.

c) Those engaged in welding works shall be provided with welder's protective-shields.

d) Stone breakers shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.

e) When workers are employed in sewers and manholes, which are in use, the Contractor shall ensure that manhole covers are opened and manholes are ventilated at least for an hour before workers are allowed to get into them. Manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to public.

f) The Contractor shall not employ men below the age of 18 and women on the work of painting with products containing lead in any form. Whenever men above the age of 18 are employed on the work of lead painting, the following precautions shall be taken:

i) No paint containing lead or lead products shall be used except in the form of paste or ready.

ii) Suitable face masks shall be supplied for use by workers when paint is applied in the form of spray or a surface having lead paint dry rubbed and scraped.

iii) Overalls shall be supplied by the Contractor to workmen and adequate facilities shall be provided to enable working painters to wash during and on cessation of work.

9. When work is done near any place where there is risk of drowning, all necessary equipment shall be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

10. Use of hoisting machines and tackle including their attachments, anchorage and supports shall confirm to the following:

a) i. These shall be of good mechanical construction, sound material and adequate strength and free from patent defects and shall be kept in good repair and in good working order.

ii. Every rope used in hoisting or lowering materials or as a means suspension shall be of durable quality and adequate strength, and free from patent defects.

b) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years shall be in charge of any hoisting machine including any scaffold winch or give signals to operator.

c) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or lowering or as means of suspension, safe working load shall be ascertained by adequate means. Every hoisting machine and all rear referred to above shall be plainly marked with safe working load. In case of a hoisting machine having a variable safe working load, each safe working load and the conditions under which it is applicable shall be clearly indicated. No part of any

machine or of any gear referred to above in this paragraph shall be loaded beyond safe working load except for the purpose of testing.

d) In case of a departmental machine, safe working load shall be notified by the Engineer-in- charge. As regards Contractor's machines the Contractor shall notify safe working load of each machine to the Site Engineer whenever he brings it to site of work and get it verified by the Site Engineer.

11. Motors gearing, transmission, electric wiring and other dangerous parts of hoisting appliances shall be provided with efficient safeguards; hoisting appliances shall be provided with such means as shall reduce to the minimum risk of accidental decent of load adequate precautions shall be taken to reduce to the minimum risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energised, insulating mats working apparel such as gloves, sleeves and boots as may be necessary , shall be provided. Workers shall not wear any rings, watches and carry keys or other materials which are good conductors of electricity.

12. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in a safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall be provided at or near places of work.

13. These safety provisions shall be brought to the notice of all concerned by display on a notice board at a prominent place at the work spot. Persons responsible for ensuring compliance with the safety code shall be named therein by the Contractor.

14. To ensure effective enforcement of the rules and regulations relating to safety precautions, arrangements made by the Contractor shall be open to inspection by the Site Engineer or his representatives and the Inspecting Officers.

15. Notwithstanding the above conditions 1 to 14 the Contractor is not exempted from the operation of any other Act or Rule in force.

16. In addition to the above, the Contractor shall abide by the safety code provisions as per C.P.W.D. safety code framed from time to time.

17. The Contractor shall also arrange to obtain valid gate passes for his men and equipment from the concerned authorities of the project.

18. No man/material/equipment not covered by valid passes shall be permitted within the project area and no material/equipment shall be permitted to be taken out of the project area, unless the written permission of the Architect/Engineer in-charge.

19. When persons are employed on a roof where there is danger of falling from a height exceeding 3.25 m. (to be prescribed) suitable precaution shall be taken to prevent the fall of persons or material. Suitable precautions shall be taken to prevent persons being struck by articles which might fall from scaffolds or other working places.

20. The Contractor shall comply with the following regulations as regards the Hoisting Appliances to be used by him :

(a) Hoisting machines and tackle, including their attachments, anchorage and supports shall :
   (i) be of good mechanical construction, sound material and adequate strength and free from patent defect; and :
   (ii) be kept in good repair and in working order.

(b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of suitable quality and adequate strength and free from patent defect.

(c) Hoisting machines and tackle shall be examined and adequately tested after erection on the site and before use and be re-examined in position at intervals to be prescribed by Architect and Site Engineer.

(d) Every chain, ring, hook, shackle, swivel and pulley block used in hoisting or lowering materials or as a means of suspension shall be periodically examined.

(e) Every crane driver or hoisting-appliance-operator shall be properly qualified.

(f) No person who is below age of 15 years shall be in control of any hoisting machine, including any scaffold, nor shall give signals to the operator.

(g) In the case of every hoisting machine and of every chain, ring, hook, shackle, swivel and pull by block used in hoisting or lowering or as a means or suspension, the safe working load shall be ascertained by adequate means.

(h) Every hoisting machine and all gears referred to in preceding regulation shall be plainly marked with the safe working load.

(i) In the case of hoisting machine having a variable safe working load, each safe working load and conditions under which it is applicable shall be clearly indicated.

(j) No part of any hoisting machine or any gear referred to in regulation `g' above shall be loaded beyond the safe working load except for the purpose of testing.

(k) Motors, gears, transmissions, electric wiring and other dangerous parts of hoisting appliance shall be provided with sufficient safeguards.

(l) Hoisting appliances shall be provided with such means as shall reduce to a minimum the risk of the accidental descent of the load.

(m) Adequate precautions shall be taken to reduce to minimum the risk of any part of a suspended load becoming accidentally displaced.

Qualification Criteria

Qualification will be based on Applicant's meeting all the following minimum pass/ fail criteria regarding the Applicant's general and particular experience, personnel and equipment capabilities and financial positions, as demonstrated by the applicant's responses in the forms attached to the letter of application Subcontractors experience and resources shall not be taken in to account in determining the applicants compliance with the qualifying criteria.
To qualify for more than one contract, the applicant must demonstrate having experience and resources sufficient to meet the aggregate of the qualification criteria for each contract given.

Base year and Escalation The base year shall be taken as Current financial year following enhancement factors will be used for the costs of works executed and the financial figure to a common base value for works completed in India.

Year	Financial Year	Multiplying factor
Base year of inviting tender	2024_-2025_	1.00
-1	2023_-2024_	1.10
-2	2022_-2023_	1.21
-3	2021_-2022_	1.33
-4	2020_-2021_	1.46
-5	2019_-2020_	1.61

Applicant should indicate actual figures of costs and amount for the works executed by them without accounting for the above-mentioned factors. In case the financial figures and value of completed works are in foreign currency the above enhanced multiplying factors will not be applied. Instead, the current market exchange rate (State Bank of India BC Selling rate as on the last date of submission of the bid) will be applied for the purpose of conversion of the amount in foreign currency into India rupees.

1. General Experience.

The Applicant shall meet with the following minimum criteria:
(a) Achieved a minimum annual financial turnover (defined as billing for works in progress and completed in all classes of civil engineering construction works only) in any one year, over the last five years of the annual value of contract / contracts applied for.
(b)
The works may have been executed by the applicant as prime contractor or as a member of a joint venture or as a nominated sub-contractor.
As subcontractor, he should have acquired the experience of execution of all major items of works under the proposed contract. In case a project has been executed by a joint venture, weight towards experience of the project would be given to each joint venture in proportion to their financial participation in the joint venture. Substantially completed works means those works which are at least 90 % completed as on the date of submission (i.e. gross value of work done up to the Last date of submission is 90 % or more of the original contract price) and continuing satisfactorily.

For these, a certificate from the employers shall be submitted along with the application incorporating clearly the name of the work, contract value, billing amount, date of commencement of works, satisfactory performance of the contractor and any other relevant information.

2. Personnel Capabilities.
Availability for his work of personnel with adequate experience as required; as per Appendix.

3. Equipment Capabilities
Based on the studies carried out, the minimum suggested major equipment to attain the completion of works in accordance with the prescribed construction schedule are shown in the Appendix. The bidders should, however, undertake their own studies and furnish with their bid, a detailed construction planning and methodology supported with layout and necessary drawings and calculations to allow the employer to review their proposals. The numbers, types and capacities of each plant/equipment shall be shown in the proposals along with the cycle time for each operation for the given production capacity to match the requirements.

4. Financial Position
The Applicant should give undertaking that he has access to, or has available, liquid assets (aggregate of working capital, cash in hand and uncommitted bank guarantees) and / or credit facilities up to 25 percent of the value of the contract / contracts applied.
The audited balance sheets for the last five years should be submitted, which must demonstrate the soundness of the applicant's financial position, showing long – term profitability including an estimated financial projection for the next two years If necessary, the employer will make inquiries with the applicant's bankers.

5. Litigation History
The Applicant should provide accurate information on any litigation/black listing or arbitration resulting from contracts completed or under execution by him over the last five years. A consistent history of awards against the Applicant or any partner of a joint venture may result in failure of the applicant.

6. Bid Capacity.
Applicants who meet the minimum qualification criteria will be qualified only if their available bid capacity at the expected time of bidding is more than the total estimated cost of the works. The available bid capacity will be calculated as under:

Assessed Available Bid Capacity = (A*N*2-B),

where A = Maximum value of work executed in any one year during the last five years (updated to the price level of the year indicated in appendix) taking into account the completed as well as works in Progress.

B = Value at current price level of the existing commitments and ongoing works to be completed during the next 1 5 M o n t h s (period of completion of work for which bids are invited); and

N = Number of years prescribed for completion of the works for which the bids are invited.

Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

Made misleading or false representation in the forms, statements and Attachments the submitted in proof the qualification requirements; and / or Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delay in completion, litigation history, or financial failures etc.; and/ or

Participated in the previous bidding for the same work and had quoted unreasonably high bid prices and could not furnish rational justification to the employer.

Document's to be furnished by the Bidder.

All Bidders are required to provide detail information as per requirements laid out in the following sections:

C – 1 Declaration / undertaking

C – 2 Company / Firm Related information

C – 3 Information about Bid Capacity

C – 4 Summary of Similar Completed Projects during last 7 years

C – 4a Detailed information about Similar completed projects by Bidder

C – 5 Quantities Executed by the Bidder during last 5 years

C – 6 Information about Information about the key personnel

C – 6a Information about Project Approach and Methodology

C – 7 Information about litigation history

C – 8 Information about Construction Plant and Equipment

D- Checklist For the Documents submitted

C – 1. Declaration / undertaking

[Letter head of the Bidder firm including full postal address, telephone nos., fax no., telex no., E mail address & website]

Location _____, Dt. __/__/____]

To:		
The Manager, Entrepreneurship development institute of India , Gandhinagar		

Dear Sir,

Being duly authorized to represent and act on behalf of _____ _____ (here in after "the Bidder"), and having reviewed and fully understood all the prequalification information provided, the undersigned hereby apply to be prequalified by yourselves as a tenderer for the following contract under the [Name of Project]

Contact Name	Contact Number

Attached to this letter are copies of original documents (attested true copies) defining:

a) The Bidder's legal status;

b) Its principal place of business; and

c) Its place of incorporation (for Applicants which are corporations); or its place of registration (for applicants which are partnerships or individually owned firms).

You and your 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 for any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and as requested by you to verify statements and information provided in this application, such as the resources, experience, and competence of the Bidder.

This application is made in the full understanding that:

A) PQ Bids by Bidder/s will be subject to verification of all information submitted for prequalification at the time of bidding.

B) Client" reserves the right to:

a. Amend the scope and value of any contracts tendered under this project, in such event, tenders will only be invited from pre-qualified applicants who meet the revised requirements.

b. Reject or accept any application, cancel the prequalification process, and reject all application; and

C) Client" shall not be liable for any such actions and shall be under no obligation to inform the Bidder of the grounds for such actions.

The undersigned declare that the statements made and the information provided in the duly completed application are complete, true and correct in every detail.

I/We agree that the decision of "Client" in selection of Bidder, phasing of works and in any other project related matter, will be final and binding to me / us.

Yours Sincerely,

For and on behalf of	
Authorized Signature with stamp	
Name and title of Signatory	

Name of the firm:	
Address	

C – 2. Company / firm related information:

a)	**Name of the organization/firm:**	
b)	**Address of the organization/firm:**	
	Phone nos.:	
	Fax no.:	
	E-mail:	
c)	**Name & Particulars of the Authorized Representative for the details furnished hereinafter:**	
d)	**Annual Turnover of the Bidder for the last 3 financial years (in Rs. Crores):**	
	1) 2021-2022	
	2) 2022-2023	
	3) 2023-2024	
	Average:	
e)	**Type of the Organization including particulars of Proprietor / Partners / Directors:**	
	(Sole Proprietorship, Partnership, Private Ltd., Co- operative Body etc.)	
	(Attested copy of Deeds or Memorandum of Association to be enclosed)	
	1)	
	2)	
	3)	
	4)	
f)	**Certificates:**	
	1) Employees Insurance Schemes Registration Certificates:	
	2) P.F. Registration Certificates.	
g)	**Name of bankers and full address:**	
	1)	
	2)	
h)	**Financial Resources of Company:**	
	(Rest. in Crores.)	
	1) Bank Facilities Available (Please attach copies wherever applicable)	
	Overdraft:	
	Guarantees:	
	Letters of Credit:	
	Others:	
i)	**Information about Registered office, Head office and Branch office**	

Note: The bidder / applicant should have to fill this information on their company letter head and enclosed separately.

C – 3. Information about bid capacity:

The bid capacity shall be worked out using the formula: -

Bid capacity = [A * N * 2] – B =_____(to be filled by Applicant).

Sr. No.	Nomenclature	Description	Details
01	A	Maximum value of Civil Construction works executed in any one year during last 7 years (as per table – 1 below)	
02	N	Number of years prescribed for completion of work for which bid has been invited.	
03	B	Value of existing commitments against ongoing works that is scheduled to be completed simultaneously with this work i.e., for which bid has been invited (as per table – 2 below)	

Table – 1, For Calculation of A (As specified in Form A – Criteria B):

	2017 - 18	2018 - 19	2019 - 20	2020 - 21	2021 - 22	2022-23	2023-24	Maximum Value
Value of Construction work executed (Rs. in lakhs)								

Table – 2, For Calculation of B:

Sr. No.	Name of work	Contract Amount (Rs. in Crores)	Value of works completed by 31 Jan, 2024 (Rs. in Crores)	Value of existing commitments against ongoing works that is scheduled to be completed simultaneously with this work i.e., for which bid has been invited. (Rs. in Crores)
1				
2				
3				
4				
5				
******				

			Total Value	

**** Note: Bidder may add rows in the above table (format) as per their list of ongoing project.**

C – 4. Summary of completed similar projects by Bidder during last 5 years (ending 29th February, 2024):

Sr. No.	Year	Project Name	Client	Actual Project Cost (Rs. lakhs)	Scope of Work which is similar to the project	Project duration (as per contract) (in months)	Actual duration (in Months)
Similar Project No. – 1							
Similar Project No. – 2							
Similar Project No. – 3							
Similar Project No. – 4							

**** Bidder may add rows as per their list of executed projects.**

Note:
Copy of Original or attested copies of work order, final completion certificate from client have to be attached.

C – 4a. Detailed information about Similar Completed Project by Bidder:

1	**Project name:**	
2	**Client:**	Name:
		Address:
		Contact number:
3	**Architect:**	Name:
		Address:
		Contact number:
4	**Structural Consultant:**	Name:
		Address:
		Contact number:
5	**Service Consultants:**	Name:
		Address:
		Contact number:
Project Data:		
1	Type of Project	

	Scope of work which is similar to the project such as exposed concrete work.	
	Tendered Project cost (in Rs. Crores):	
	Actual project Cost (in Rs. Crores):	
2	**Technical Data of Project**	
	Length of cc road/ cycle track work (Km.)	
	Paver Block work – Material & Quantity (Sqmt.)	
3	**Project Timeline**	
	Project duration (as per contract): (in months)	
	Work done per month (in Rs. Crores) – Certificate from Client to be submitted.	
	Start date as per LOI (dd/mm/yyyy):	
	Actual Completion date as per final completion certificate issued by client (dd/mm/yyyy):	
	Actual duration (Months):	
	Reasons for delay (if any):	
4	**Colored Project Photographs showing below:**	
	a) Overall view	
	b) Cycle track works	
	1. Finishing of surface	
	Walkway / Parking 2. Finishing of walkway / Parking-material i.e. paver, broom finish concrete etc	
	3. Finishing of street furniture - signage, dustbin, bench, planter etc.	
	Additional photographs that may demonstrate the workmanship of work	
	Additional Data	
	Any penalty/ Bonus:	
	Litigation History, If any	
	Any claim/Dispute pending (with details of claim and award if any):	
	Amount of claim / penalty	
	Client Certificates attached:	Yes / No

Note:

Copy of Original or attested copies of work order, final completion certificate from client have to be attached.

C – 5. Quantities Executed by Bidder during last 5 years (ending 31st Dec 2024):

No.	Year	Project Name	Client	Actual Project Cost (Rs. lakhs)	Scope of Work	r.c.c works/Earthworks in Cu.m	Masonry/plaster/flooring in Sqmt
	2023						
1							
2							
….							
	2022						
1							
2							
….							
	2021						
1							
2							
….							
	2020						
1							
2							
…							
	2019						
1							
2							
…							
	2018						
1							
2							
…							

Note:

Copy of Original or attested copies of work order, final completion certificate from client have to be attached.

C – 6. Information about the key personnel:

The bidder shall ensure the availability for this work minimum key personnel as given in the following table. Detailed bio-data of the Project Manager and Materials & Quality Control engineer shall be submitted as per the below given forms.

Sr. No.	Personnel	Qualification	No. of Person
1	Project Manager	B.E. Civil + 15 Years Experience (10 Years as Manager)	
2	Senior Site Engineer	B.E. Civil + 8 Years Experience or Dip. Civil + 10 Years Experience	
3	Planning Engineer	M.E. in Construction Management + 5 Years Experience or B.E. Civil + 10 Years Experience	
4	Senior Quantity Surveyor	B.E. Civil + 8 Years Experience or Dip. Civil + 10 Years Experience (4 Years in Similar Work)	
5	Contracts Manager	B.E. Civil + 8 Years Experience or Dip. Civil + 10 Years Experience (4 Years in Similar Work)	
6	Plant Engineer	B.E. Civil + 5 Years Experience or Dip. Civil + 8 Years Experience	
7	Survey Engineer	B.E. Civil + 5 Years Experience or Dip. Civil + 8 Years Experience	
8	Material & Quality Control Engineer	B.E. Civil + 8 Years Experience or Dip. Civil + 10 Years Experience	
9	Junior Site Engineer	B.E. Civil + 5 Years Experience or Dip. Civil + 8 Years Experience	
Total			

Form A – Information of Director/owner of company

1	Name	
2	Date of Birth	
3	Qualification with Year	
4	Years of Experience	

Form B - Information of the technical personnel proposed for this Project.

Sr. No.	Proposed position for this project	Name of Candidates
1.		

2.		
3.		
4.		
5.		
6.		
7.		

Note:

Bidder will have to submit detailed CV for each person specified in each category as per the prescribed Form- B, below.

Form C – Curriculum Vitae

1	Proposed position for this project	
2	Name of candidate	
3	Date of Birth	
4	Qualification with Year	
5	Total Experience (in Years)	
6	Years with the present Employer	
7	**Details of similar projects executed by applicant ****	
7.1	Name of Project	
7.2	Name of Client	

Summarize professional experience over the last 10 years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the Project:

From	To	Company / Project / Position / Relevant technical and management experience / Type of Project
**		

**** Bidder may add rows as per their list of executed projects.**

C – 6a. Information about Project Approach and Methodology:

The bidder should summarize the following information for his company on his letter head regarding his approach and methods:-

Sr. No.	Description	Attachment Submitted (Yes or No)	Page No.	Maximum Marks	Marks Obtained
1	Site set up / organization along with details of key personnel as per C-6 Form.				
2	Construction Material & Labour Management Plan				
3	Construction methodology for the proposed work				
4	Workmanship and quality management plan				
5	Construction debris management plan				
6	Timeline management plan describing activities chart and its planned completion time, key milestones / checklist to ensure timely completion of project				
7	Benefits / Advantages of hiring "you" as contractor				

C – 7. Information about Litigation History:

Bidder should provide information on any history or arbitration resulting from contracts in last five year or currently under execution.

Year	Award for / or Against Bidder	Name of Client cause of litigation and matter of dispute	Disputed amount in Rupees

Note:-

If the information to be furnished in this schedule will not be given and comes to notice, it will subsequently result in the disqualification of the bidder.

C – 8. Information about Construction Plant and Equipment.

Sr. No.	Type of Equipment	Capacity	Max. Age as on 31.01.2024	No. of Working Equipments
1.	D G set	75/125 KVA		
2.	Soil compactor			
3.	Needle vibrator			
4.	Concrete batching and mixing plant with automatic control and SCADA system within lead of 3 km	15 Cum/Hr- min. capacity		
5.	Machine for laying thermoplastic paint			
6.	Concrete Vibrators- Surface vibrators	As per requirement		
7.	Reinforcement cutting and bending Machine			
8.	Transit mixer	4.5 / 6 Cum		
9.	Dewatering Pumps	As per requirement		
10.	Tippers/ Dumpers	5 / 10 Cum		
11.	Hydraulic Motor Grader			
12.	Water tanker/sprinkler	10 cum		
13.	Surveying Equipment			
14.	Total Station			
15.	Plate compactor			
16.	Air compressor			
17.	Concrete breaker			
18.	Welding machine			
19.	Shuttering Plates/System	Full height shuttering made from 4 mm thick plate		
20.	JCB			
21.	Concrete mixer machine with batching	2 Bag		
22.	Hydra Crane	8 Tonne		
23.	Tandem Vibratory Roller	Minimum 8 tonne		
24.	Tandem Vibratory Roller for compaction of edges (self-propelling)	Minimum operating weight 1 tonne		

- The documents regarding ownership of machinery / equipment etc and **self-attested** copies of hire purchase agreement if it must be enclosed and for to be procured the copy of work order placed shall be furnished.

- If leased indicate the date when the current lease expires.

- Describe the fabrication and workshop facilities (a) to be set up at site (b) to be sub contracted locally (c) to be set up any other place with relevant details.

- The above information shall be supported with necessary documents otherwise, the same shall be treated as null & void.

- For equipment on lease/rent, bidder shall submit lease/rental agreement on notarized stamp paper of Rs. 100 for total duration of the project.

- Contractor shall deploy other necessary machinery/equipment not listed here required for construction of the project.

DETAILS OF EQUIPMENTS WHICH WILL BE USED BY THE BIDDER FOR THE PROPOSED WORKS –

Description (Type, Model Make etc.)	**Manufacturer with year of manufacture**	**Capacity**	**Nos. proposed to be used for the work.**

The Bidder hereby confirms that the quality and type of equipment he will deploy for construction will not be less than listed above, and he agrees to provide more equipment, if so wanted.

D. CHECK LIST:

Bidder shall fill this CHECK LIST and ensure that all details / documents as mentioned in the tender documents are submitted along with their Bid. Please tick the box and ensure compliance and specify the Page no. of Pre-Qualification bid submitted.

Sr. No.	**Details / Documents**	**Compliance (Yes / No)**	**Page No.**
Documents required for Mandatory Criteria			
1.	Copy of certificate from CA for turnover data along with copy of audited Balance sheets for last three financial years, submitted		
2.	Calculation of Bid Capacity – (Schedule – C – 3), submitted		
3.	Copy of work order and final completion certificate issued by client to the contractor for similar projects along with quantities.		
4.	Summary of similar completed projects (Schedule C – 4)		
5.	Details of similar completed projects (Schedule C – 4a)		
6.	Quantities Executed in similar projects during last 5 years (Schedule C – 5)		

7.	Client's Certificate for Work Start and Completion		
8.	Information about the key personnel (Schedule C – 6)		
9.	Information about Litigation History (Schedule C – 7)		
10.	Information about Construction Plant and Equipment (Schedule C – 8)		
Other Documents			
11.	Notarized affidavit for not having black listing history with Government, Semi-Government, Boards or Corporation and etc.		
12.	Copy of P.F. Registration Certificates, submitted		
13.	If name of the firm changed since establishment, details (certificate) for the same, submitted		
14.	Declaration / Undertaking (Form C – 1), Submitted		
15.	Power of Attorney / Authorization letter in favor of signatory of Bid, submitted		
16.	Company / Firm related information (Form C – 2), submitted		
17.	Attested copy of Deeds or Memorandum of Association, submitted		
18.	Copy of Employees Insurance Schemes Registration Certificates, Submitted		
19.	Copies of Financial resources / Bank facilities, whichever applicable, submitted		
20.	Profile of Owner / Director along with Passport size Photographs and Qualification certificate submitted		
21.	Curriculum vitae of all key personnel (Form C – 6: Form A, Form B & Form C), submitted		
Documents for complete submission			
22.	Similar Project – along with below mentioned details, submitted		
23.	Evidence of Client / 3rd party audits for Quality assurance system.		
24.	Progress Monitoring Reports for monitoring system signed by Client.		
25.	Photographs for quality of construction as per Form C-4a		

Forms And Formats

Letter of Acceptance

(Letter head paper of EDII)

_____ (date)

To,

_____ (Name and address of the Contractor)

_____

_____

Dear Sirs,

This is to notify you that your Bid dated _____ for execution of the _____ (Name of the contract and identification number, as given in the Instructions to Bidders) for the Contract Price of Rupees _____ (_____) (amount in words and figures) as corrected and modified in accordance with the Instructions to Bidders* is hereby accepted by our agency.

You are requested to furnish performance security, in the form of Bank Guarantee as detailed below for an amount equivalent to Rs. _____ within **10 days** of the receipt of this letter of **60 days** from acceptance up to beyond the date of expiry of defects Liability period i.e. up to ___ _____ and the Additional Performance Security for an amount equivalent to Rs. _____ shall be valid beyond 28 (twenty-eight) days of Project Completion Date i.e. up to _____ and sign the contract, failing which action will be taken.

Yours Faithfully

Authorized Signature Name and title of Signatory Name of Employer

PERFORMANCE SECURITY

TO,
- ----------(Name of Employer)
- ---------- (Address of Employer)

WHEREAS ---------- (name and address of contractor) (hereafter called "the Contractor") has undertaken, in pursuance of Contracts No. ---------- dates ---------- to execute ----------
--------- (name of Contract and brief description of Works) (hereinafter called "The Contract")

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractors such a bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of ----------
(amount of guarantee)*----------(in words), such sum being payable in types and proportions of currencies in which the Contract prices is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ---------- (amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting is with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract to of the Works to be performed thereunder or of any of the Contract documents which may be made between your and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such charge, addition or modifications.

This guarantee shall be valid until 60 days from the date of expiring of the Defect Liabilities period.

Signature and Seal of the guarantor ---------- Name of Bank -

---

Address ----------
Date ----------

*An amount shall be inserted by the Guarantor, representing the percentage the Contract price specified in the Contract denominated in Indian Rupees.

Issue of Notice to proceed with the work

(Letterhead of EDII)

----------(date)

To,

_____ (Name and address of the Contractor)

_____

_____

Dear Sirs,

Pursuant to your furnishing the requisite security and signing of the Contract for the construction of_____

_____

_____ at a bid Price of Rs.

_____.

You are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully

(Signature, name and title of signatory authorized To sign on behalf of Employer)

UNDERTAKING

(For Validity)

I, the undersigned do hereby undertake that our firm M/s …… ……..…….. agree to abide by this bid for a period ..... days for date fixed for receiving the same and it shall be binding on us and may be accepted at any time before the expiration of that period.

_____

(Signed by an Authorized officer of the firm)

_____

Title of officer

_____

Name of firm

_____

DATE

INTEGRITY PACT

This Agreement (hereinafter called the Integrity Pact) is made on ----------day of the month of---------- 202…, between Entrepreneurship Development Institute of India (hereinafter called "EDII"), and M/s ---------- ……..Description of Bidder. (Hereinafter called the "BIDDER").

The expressions “EDII” and “BIDDER” shall mean and include their respective legal representatives, successors in interest, and assigns and shall collectively be referred to as “the Parties” and individually as “the Party”.

WHEREAS EDII intends to award, under laid down organizational procedures, contract(s) …… (Name of the Tender/ Work) …… (Hereinafter referred to as the ‘Contract’).

WHEREAS EDII necessarily requires full compliance with all relevant laws of the land, rules, and regulations, economic use of resources, and fairness/ transparency in relations with its Bidder(s) and/or Contractor(s).

WHEREAS In order to achieve these goals, EDII has appointed Consultants, as detailed in Para 6 of this Pact, to monitor the entire tender process till the final completion of the contract for compliance with the Integrity Pact by all the parties concerned for all works covered in the Contract.

NOW, THEREFORE,

To Avoid all forms of corruption by following a system that is fair, transparent, and free from any influence/ prejudiced dealings prior to, during, and subsequent to the currency of the contract to be entered into;

To Enable EDII to obtain the desired works/ stores/ equipment at a competitive price in conformity with defined specifications by avoiding high cost and distortionary impact of corruption on public procurement, and

To Enable BIDDERs to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that EDII will commit to prevent corruption, in any form, by its officials by following transparent procedures.

THE PARTIES HERETO HEREBY AGREE TO ENTER INTO THIS INTEGRITY PACT AND AGREE AS FOLLOWS:

Scope

The Integrity Pact, in respect of the said contract, would be operative from the stage of invitation of bids till the final completion of the contract. Any violation of the same would entail disqualification of the BIDDERs and exclusion from future business dealings as specified in this Integrity Pact.

Commitments of officials of EDI

No officials of EDII, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, any benefit, or any other advantage from the BIDDER, either for themselves or for any person, organization, or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting, or implementation process related to the contract.

EDII will, during the entire tender process stage, treat all BIDDERs with equity and reason. It will provide to all BIDDERs the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERs.

EDII shall obtain bids from only those party/ parties who have been short listed or pre-qualified or through a process of open advertisement/ web publishing or any combination thereof.

In case any misconduct on the part of any official(s) of EDII is reported by the BIDDER to the Director General of EDII with full and verifiable facts and the same is prima facie found to be correct by the Director General of EDII, necessary disciplinary proceedings, or any other action as deemed fit, may be initiated by EDII and such a person shall be removed from further dealings related to the subject contract process. In such situations of misconduct, while an enquiry may stand initiated or may be going on, the progress of bidding, execution, etc. under the contract shall not be stalled.

Commitments of BIDDERs

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means, and illegal activities during any stage of bid including pre contract, contract, or post-contract stage. In particular the BIDDER undertakes to abide by the measures given in the following paragraphs.

The BIDDER will not offer, directly or through intermediaries, any bribe, benefit, or any other advantage like commission, fees, brokerage or inducement to any official of EDII, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting, and implementation of the contract.

The BIDDER has not given, offered, or promised to give, directly or indirectly, any bribe or any benefit or other advantage like commission, fees, brokerage, or inducement to any official of EDII or their family members or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract.

The BIDDER will disclose the name and address of its agents and representatives, if any, in India and/ or abroad.

The BIDDER will disclose the payments to be made by them to agents/ brokers or any other intermediary, in connection with this bid/ contract.

The BIDDER further confirms and declares to EDII that the BIDDER has not engaged any individual or firm or company, whether Indian or foreign, to intercede, facilitate, or in any way to recommend to EDII or any of its functionaries, whether officially or unofficially, award of the contract to the BIDDER, nor has any amount been paid, promised, or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation, or recommendation.

The BIDDER will not collude with other parties interested in the contract to impair the competition, transparency, fairness, and progress of the bidding process, bid evaluation, contracting, and implementation of the contract.

The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means, and illegal activities.

The BIDDER will not use for purposes of competition or personal gain, or pass on to others, any information

provided by EDII as part of the business relationship, regarding plans, technical proposals, and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate lest any such information is divulged.

The BIDDER commits to refrain from making any complaint, directly or through any other manner, without supporting it with full and verifiable facts. If the BIDDER submits frivolous or false complaint(s), it will be liable to attract sanctions as mentioned in Para 5 of this Pact.

The BIDDER will not instigate or cause to instigate any third person to commit any of the actions mentioned above.

If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of EDII, or alternatively, if any relative of an officer of EDII has financial interest/ stake in the BIDDER's firm, the same will be disclosed by the BIDDER at the time of filing of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956 or any amendment thereto (Annexure-A).

The BIDDER will not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of EDII.

All disclosures required under this Pact shall be included as Annexures/ Appendices thereto as an integral part of this Pact.

If the BIDDER/ Contractor is a partnership or a consortium, this Pact will be signed by all partners or consortium members.

Previous Transgression

The BIDDER declares that no previous transgression has occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER’s exclusion from the tender process.

The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract and, if already awarded, can be liable to attract sanctions under this Pact.

Sanctions for Violations

Any breach of the provisions of this Pact by the BIDDER or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle EDII to take all or any one of the following actions, wherever required:-

To disqualify the BIDDER in pre-award stage without assigning any reason and without any compensation to the BIDDER. However, the proceedings with other BIDDER(s) would continue.

To take such actions/ steps as per provisions made in the tender documents/ contract, if contract already signed, without giving any compensation to the BIDDER.

To debar the BIDDER from participating in future bidding processes as per EDI's policy on "Suspension/ Banning of Business Dealings" with Agencies" (Annexure-B).

To forfeit, either fully or partially, the Earnest Money Deposit (in pre-contract stage) and/ or Security Deposit/ Performance Bond (after the contract is signed), without assigning any reason therefor.

EDII will also be entitled to take all or any of the actions mentioned under this Para 5 in the event of commission by the BIDDER, or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal code, 1860, or Prevention of Corruption Act, 1988, or any other statute enacted for prevention of corruption.

The decision of EDII to the effect that a breach of any provision of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER.

The BIDDER shall be liable to pay compensation for any loss or damage to EDII in the event of any action under this Para and EDII shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

Consultants

EDII has appointed Consultants for this Pact.

The task of Consultants shall be to review independently and objectively whether, and to what extent, the Parties comply with the obligations under this Pact.

The Consultants shall not be subject to instructions by the representatives of the Parties and perform their functions neutrally and independently.

Both the Parties accept that the Consultants would have a right to access, without restriction, to all Project documentation of EDII and the BIDDER upon request and demonstration of a valid interest by the Consultants. The same is also applicable to sub-contractors of the BIDDER. The Consultants shall be under contractual obligation to treat the information and documents of all the parties with confidentiality.

In case of non-compliance of the provisions of the Integrity Pact, any complaint/ non-compliance can be sent by an aggrieved party, giving specific details of noncompliance with supporting documents, to the designated Nodal Officer of EDII appointed by the DIRECTOR GENERAL. The Nodal Officer, after verification of the complaint, shall refer the complaint/ non-compliance so received by him to the aforesaid Consultant(s). Alternatively, as soon as the Consultant notices a violation of this Pact, or has reason to believe that a violation has occurred, or had

received a complaint, he will so inform the DIRECTOR GENERAL of EDII in the first instance.

The Consultants would then examine all complaints, other than anonymous/ pseudonymous complaints, received by them and give their written report to the DIRECTOR GENERAL of EDII within 6 weeks from the date of reference or intimation to him by EDI/ BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

Law and Place of Jurisdiction

This Pact shall be applicable to all tenders invited and finalized in India. This Agreement is subject to Indian Law and the place and jurisdiction for resolving any issue shall be Gandhi nagar, Gujarat.

Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

Validity.

The validity of this Integrity Pact shall be from the date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both EDII and the BIDDER including Defect Liability/ Warranty period, whichever is later. In case BIDDER(s) is (are) unsuccessful, this Integrity Pact shall cease to be valid on the expiry of two months from the date of award of the contract.

Should any provision of this Pact turn out to be invalid, the remaining parts of this Pact shall remain unaffected which shall be honored and implemented by the Parties in its intent and spirit.

The Parties hereby sign this Integrity Pact at ----------on--------- (Full name & Registered Office address) For and on Behalf of For and on Behalf of EDII BIDDER (Full name of Bidder & regd.address)

[This Pact shall be signed by all the partners of Partnership firm).]

Name of the Authorized Officer.	Name of the Authorized Officer
Designation (SEAL)	Designation (SEAL)
Witness	Witness
1.	1 ---------- ----------
2. ----------	2.

DEED OF INDEMNITY

This Deed of Indemnity executed at Gandhinagar on the _____ day of _____..... 2025 by _____ (hereinafter referred to as "**the Obligor**" which expression shall unless it be repugnant to the context, subject or meaning thereof, shall be deemed to mean and include its successors and permitted assigns);

IN FAVOUR OF

Entrepreneurship Development Institute of India (EDII), a company registered and incorporated under the Companies Act, 1956 (1 of 1956) and a banking company within the meaning of section 5 (c) of the Banking Regulation Act, 1949 (10 of 1949) having its registered office at Bhat, Gandhinagar-382428. (Hereinafter referred to as "**EDII** " which expression shall, unless it be repugnant to the subject or context or meaning thereof, be deemed to mean and include its successors and assigns)

1 WHEREAS

(1) The Obligor has

(a) Agreed to provide to EDII the complete services for the "Construction of 100 room Hostel Block" at Gandhinagar and to provide the services during warranty period as stated in the bid, scope of work and other terms and conditions;

(b) Represented and warranted that they have all permissions, consents, approvals from all authorities, both regulatory and non-regulatory, for executing their services to EDII;

(c) Represented and warranted that the aforesaid services offered to EDII do not violate any provisions of the applicable laws, regulations or guidelines including legal and environmental. In case there is any violation of any law, rules or regulation, which is capable of being remedied the same will be got remedied immediately during the installation, maintenance and contract period to the satisfaction of EDII;

(d) Represented and warranted that they are authorized and legally eligible and otherwise entitled and competent to enter into such contract(s) with EDII;

(2) EDII, relying and based on the aforesaid representations and warranties of the Obligor, has agreed to avail the services of the Obligor on the terms and conditions contained in its bid and Agreement dated _____ (the Agreement) with the Obligor;

(3) One of the conditions of the aforesaid Agreement is that the Obligor is required to furnish an indemnity in favour of EDII indemnifying the latter against any loss, damages or claims arising out of any violations of the applicable laws, regulations, guidelines during the execution of its services to EDII over the contract period as also for breach committed by the Obligor on account of misconduct, omission and negligence by the Obligor.

(4) In pursuance thereof, the Obligor has agreed to furnish an indemnity in the form and manner and to the satisfaction of EDII as hereinafter appearing;

NOW THIS DEED WITNESSETH AS UNDER:-

In consideration of EDII having agreed to award the aforesaid contract to the Obligor, more particularly described and stated in the aforesaid Agreement, the Obligor do hereby agree and undertake that:-

(1) The Obligor shall, at all times hereinafter, save and keep harmless and indemnified EDII, including its respective directors, officers, and employees and keep them indemnified from and against any claim, demand, losses, liabilities or expenses of any nature and kind whatsoever and by whomsoever made in respect of the said contract and any damage caused from and against all suits and other actions that may be instituted taken or preferred against EDII by whomsoever and all losses, damages, costs, charges and expenses that EDII may incur by reason of any claim made by any claimant for any reason whatsoever or by anybody claiming under them or otherwise for any losses, damages or claims arising out of all kinds of accidents, destruction, deliberate or otherwise, direct or indirect, from those arising out of violation of applicable laws, regulations, guidelines and also from the environmental damages, if any, which may occur during the contract period.

(2) The Obligor further agrees and undertakes that the Obligor shall, during the contract period, ensure that all the permissions, authorizations, consents are obtained from the local and/or municipal and/or governmental authorities, as may be required under the applicable laws, regulations, guidelines, orders framed or issued by any appropriate authorities.

(3) The Obligor further agrees to provide complete documentation of 'Construction of 100 room Hostel Block' including warranty certificates of the aforesaid machines, contact numbers of the officials for maintenance related query during warranty and AMC period. The Obligor shall also provide all required information about "Construction of 100 room Hostel Block" for performing the obligations under the Contract. The Obligor shall also indemnify and keep indemnified EDII against any levies / penalties / claims / demands litigations, suits, actions, judgments, and or otherwise ion account of any default and or breach and or otherwise in this regard.

(4) If any additional approval, consent or permission is required by the Obligor to execute and perform the contract during the currency of the contract, they shall procure the same and/or comply with the conditions stipulated by the concerned authorities without any delay.

(5) The obligations of the Obligor herein are irrevocable, absolute and unconditional, in each case irrespective of the value, genuineness, validity, regularity or enforceability of the aforesaid Agreement or the insolvency, bankruptcy, re-organisation, dissolution, liquidation or change in ownership of EDII or Obligor or any other circumstance whatsoever which might otherwise constitute a discharge or defense of an indemnifier.

(6) The obligations of the Obligor under this Deed shall not be affected by any act, omission, matter or thing which, would reduce, release or prejudice the Obligor from any of the indemnified obligations under this indemnity or prejudice or diminish the indemnified obligations in whole or in part, including in law, equity or contract (whether or not known to it, or to EDII).

(7) This indemnity shall survive the aforesaid Agreement.

(8) Any notice, request or other communication to be given or made under this indemnity shall be in writing addressed to either party at the address stated in the aforesaid Agreement and or as stated above.

(9) This indemnity shall be governed by, and construed in accordance with, the laws of India.

(10) The Obligor irrevocably and unconditionally agrees that in any legal action, suit or proceedings arising out of or relating to any this indemnity may be brought in the Courts/Tribunals at Gandhinagar. Final judgment against the Obligor in any such legal action, suit or proceeding shall be conclusive and may be enforced in any other jurisdiction, by suit on the judgment, a certified copy of which shall be conclusive evidence of the judgment, or in any other manner provided by law. By the execution of this indemnity, the Obligor irrevocably submits to the exclusive jurisdiction of such Court/Tribunal in any such action, suit or proceeding.

(11) EDII may assign or transfer all or any part of its interest herein to any other person. Obligor shall not assign or transfer any of its rights or obligations under this indemnity, except with the prior written consent of EDII.

IN WITNESS WHEREOF the Obligor has signed these presents on the day, month and year first above written.

Signed and Delivered on behalf of)

(_____)

By the hand of _____,)

_____, the authorized official)

of the Obligor

PRE CONTRACT INTEGRITY PACT **Annexure-XIII**

General

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on_____day of the month of _____ 20___, between, EDII. Entrepreneurship Development Institute of India, an institute having its registered office at Ahmedabad (Near Village Bhat), P.O. Bhat 382428, Dist. Gandhinagar, Gujarat (hereinafter referred to as "EDII," which expression, unless repugnant to the subject, context, or meaning thereof, shall be deemed to mean and include its successors and assigns) through its _____ Department/ Office at _____, _____, (hereinafter called the "Employer", which expression shall mean and include, unless the context otherwise requires, its successors) of the First Part and M/s _____represented by Smt/ Shri_____, Authorised Signatory / POA Holder / MD/CEO/ CMD (hereinafter called the "BIDDER/ Seller which expression shall mean and include, unless the context otherwise requires, its/ his successors and permitted assigns) of the Second Part.

WHEREAS the Employer proposes to procure (_____) and BIDDER/ Seller is willing to offer/ has offered the same to the Employer.

WHEREAS the BIDDER is a private company/public company/ Government undertaking/partnership/registered export agency, constituted in accordance with the relevant law in the matter

And the Employer is an Office/ Department of EDII performing its functions on behalf of EDII.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be· entered into with a view to:

- Enabling the Employer to obtain the desired service/ product at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary
- impact of corruption on public procurement; and
- Enabling BIDDERs to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

1. Commitments of the Employer

1.1 The Employer undertakes that no official of the Employer, connected directly or indirectly with the contract, will demand, take a promise for or accept directly or through intermediaries, any bribe, consideration, gift, reward, favor or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party (which is not available legally) related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2 The Employer will, during the pre-contract stage, treat all BIDDERs alike, and will provide to all BIDDERs the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other
BIDDERs.

1.3 Al l the officials of the Employer will report to the appropriate authority any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the Employer with full and verifiable facts and the same is prima facie found to be correct by the Employer, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the Employer and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the Employer the proceedings under the contract would not be stalled.

3. Commitments of the BIDDERs

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:

3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage commission, fees brokerage or inducement to any official of the Employer, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favor, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement (not available legally) to any official of the Employer or otherwise in procuring the Contract or forbearing to door having done any act in relation to the obtaining or execution of the contract or any other contract with EDII for showing or for bearing to show favour or disfavor to any person in relation to the contract or any other contract with EDII.

3.3 The BIDDER confirms and declares that they have not made any payments to any agents/brokers or any other intermediary, in connection with this bid/ contract.

3.4 The BIDDER further confirms and declares to the Employer that the BIDDER is the original vendor or service provider in respect of product/ service covered in the bid documents and the BIDDER has not engaged with any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the Employer or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any
such intercession, facilitation or recommendation.

3.5 The BIDDER, at the earliest available opportunity, i.e. either while presenting the bid or during pre-contract negotiations and in any case before opening the financial bid and before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the Employer or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of the services agreed upon for such payments.

3.6 The BIDDER will not enter into any undisclosed agreement or collude with other parties interested in the contract/ other BIDDERs to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract or with respect to prices, specifications, certifications, subsidiary contracts etc.

3.7 The BIDDER will not accept any advantage in exchange for any corrupt practice; unfair means and illegal activities.

3.8 The BIDDER shall not use improperly, for purpose of competition or personal gain or pass on to others, any information provided by the Employer as a part of the business relationship, regarding plans, technical proposals and business details including information contained in any
Electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

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

3.10 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.11 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the Employer, or alternatively, if any relative of an officer of the Employer has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.

3.12 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Employer.

3.13 The BIDDER/ Contractor shall not directly or through any other person or firm use coercive practices against EDII and/ or other BIDDERs/ Contractor(s).

3.14 BIDDERs are not to pass any information provided by the Employer as a part of business relationship to others and not commit any offence under PC/ IPC Act.

3.15 Foreign BIDDERs if any, to disclose name and address of agents and representatives in India and Indian Bidders to disclose their foreign principal or associates.

3.16 BIDDERs to disclose any transgressions with any other company that may impinge on anti- corruption principle.

4. Previous Transgressions

4.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise / Public Sector Banks in India or any Government Department in India or RBI that could justify BIDDER's exclusion from the tender process.

4.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Earnest Money (Security Deposit)

5.1 While submitting commercial bid, the BIDDER shall deposit an amount (specified in RFP)as Earnest Money/Security Deposit, with the Employer through any of the modes mentioned in the RFP/ bid document and no such mode is specified, by a Bank Draft or a Pay Order in favor of EDII. However, payment of any such amount by way of Bank Guarantee, if so permitted as per bid documents/ RFP should be from any nationalized Bank and promising payment of the guaranteed sum to the Employer on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the Employer shall be treated as conclusive proof for making such payment to the Employer.

5.2 Unless otherwise stipulated in the Bid document/ RFP, the Earnest Money/Security Deposit shall be valid upto a period of five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the Employer, including warranty period, whichever is later.

5.3 In case of the successful BIDDER, a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the Employer to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

5.4 No interest shall be payable by the Employer to the BIDDER on Earnest Money/ Security Deposit for the period of its currency.

6. Sanctions for Violations

6.1 Any breach of the aforesaid provisions by the BIDDER or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the Employer to take all or any one of the following actions, wherever required:

6.1.1 To immediately call off the pre contract negotiations without assigning any reason and without giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s)

would continue, unless the Employer desires to drop the entire process.

6.1.2 The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the Employer and the Employer shall not be required to assign any reason therefore.

6.1.3 To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.

6.1.4 To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the Employer along with interest.

6.1.5 To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the Employer resulting from such cancellation/ rescission and the Employer shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

6.1.6 To debar the BIDDER from participating in future bidding processes of the Employer or any of its subsidiaries for a minimum period of five years, which may be further extended at the discretion of the Employer.

6.1.7 To recover all sums paid, in violation of this Pact, by BIDDER(s) to any middle manor agent or broker with a view to securing the contract.

6.1.8 Forfeiture of Performance Bond in case of a decision by the Employer to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2 The Employer will be entitled to take all or any of the actions mentioned at para 6.1.1 to 6.1.8 of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offense as defined in Chapter IX of Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the Employer to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent External Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause

7.1 The BIDDER undertakes that it has not supplied/ is not supplying similar product/ systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/ Department of the Government of India or PSU or any other Bank and if it is found at any stage that similar product/ systems or sub systems was supplied by the BIDDER to any other Ministry/ Department of the Government of India or a PSU or a Bank at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the Employer, if the contract has already been concluded.

8. Independent External Monitors

8.1 The Employer has appointed Independent External Monitors (hereinafter referred to as Monitors or IEMs) for this Pact in consultation with the Central Vigilance Commission, the Names and Addresses of the Monitors is given as under :

Sr.No.	Name of IEM	Contact Number	E-mail Address
1	Shri Bankim Mehta Retd. Joint secretary industry department. GOG	9427616686	bankimmehta1@gmail.com
2	M.C. Gupta, Legel Faculty	9825091414	mcguptacs@gmail.com

8.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

8.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

8.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.

8.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the Employer.

8.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Employer including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Sub-contractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/ Sub-contractor(s) with confidentiality.

8.7 The Employer will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

8.8 The Monitor will submit a written report to the designated authority of Employer/Secretary in the Department/ within 8 to 10 weeks from the date of reference or intimation to him by the Employer/ BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

9. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the Employer or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

10. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the Employer.

11. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

12. Validity

12.1 The validity of this Integrity Pact shall be from date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of the Employer and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract, with the successful bidder by the Employer.

12.2 Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The parties hereby sign this Integrity Pact at _____ on_____.

IN WITNESS WHEREOF, the Parties have signed and executed this Integrity Pact at the place and date first hereinabove mentioned in the presence of following witness:

Signature (For & on behalf of the Employer)	Signature (For & on behalf of the BIDDER/ Contractor)
Office Seal	Office Seal
Name Designation	Name Designation

Witness 1:

(Name & Address) _____

Witness 2:

(Name & Address) _____

PROJECT:-ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA

CONSULTANTS : AXEES CONSULTANTS / COLLABORATIVE DESIGN

HOSTEL BUILDING

SR NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	FINISHING				
	MASONRY WORKS				
1	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(B) Conventional				
A	GROUND FLOOR	CU.M	61.58		
B	FIRST FLOOR	CU.M	46.55		
C	TYPICAL FLOORS/ QTY PER FLOORX4 FLOORS	CU.M	188.4		
C	TERRACE/STAIR CABIN	CU.M	52.59		
2	Extra for brick work in superstructure above floor two level Item No. 2(6.13) (B) Conventional				
A	SECOND FLOOR	CU.M	47.10		
B	THIRD FLOOR	CU.M	47.10		
C	FOURTH FLOOR	CU.M	47.10		
D	TERRACE FLOOR	CU.M	47.10		
E	STAIR CABIN	CU.M	52.59		
3	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:3 (1-Cement : 3- coarse sand) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in foundation and plinth (B) Conventional				
A	GROUND FLOOR	SQ.M	434.41		
B	FIRST FLOOR	SQ.M	669.3		
C	TYPICAL FLOORS/ QTY PER FLOORX4 FLOORS	SQ.M	2677.2		
D	TERRACE FLOOR	SQ.M	16.8		
4	Extra for half brick masonry in superstructure above plinth level upto floor two level. (B) Conventional				
A	TYPICAL FLOORS/ QTY PER FLOORX4 FLOORS	SQ.M	2694		
	PLASTER WORKS				
5	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)				
A	GROUND FLOOR	SQ.M	2421.18		
B	FIRST FLOOR	SQ.M	3155.13		
C	TYPICAL FLOORS/ QTY PER FLOORX4 FLOORS	SQ.M	12334.6		
C	TERRACE/STAIR CABIN	SQ.M	328.78		
6	Extra over items for interior plastering above floor two level for every additional storey height. (1) Single coat plaster				
A	SECOND FLOOR	SQ.M	3083.65		
B	THIRD FLOOR	SQ.M	3083.65		
C	FOURTH FLOOR	SQ.M	3083.65		
D	TERRACE FLOOR	SQ.M	3083.65		
E	STAIR CABIN	SQ.M	328.78		
7	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trovel including scaffolding curing etc. complete	SQ.M	2540.86		
8	Extra over for plastering on ceilings and sofits of stairs upto floor two level instead of plastering on walls				
A	TYPICAL FLOORS/ QTY PER FLOORX4 FLOORS	SQ.M	285.92		
B	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	R.MT	80.95		
	CEILING WORKS				

9	Tegular edge & 15 mm Thick Densified edges on the Tile Periphery for Extra Strength The Light weight calcium silicate ceiling tiles shall have , light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity0.043° w/m KC.for the best thermal Insulation . The Light weight calcium Silicate tile shall be of approved texture Fine fissured/ Spintone/Cosmos having NRC value of 0.5 & Globe having NRC value of 0.75 NRC or equivalent of size 595 X 595 mm to be laid on true horizontal level suspended inter locking metal grid of hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and size of 24X38mm made from 0.30 mm thick (minimum) sheet, 1200mm centre to centre, and cross 'T' of size 24X28mm made out of 0.33mm (Minimum) sheet spaced 1200mm along space etc. An additional 4mm thick PVC strip of 40mm width is to be stuck on the interior side of the C channel using PVC solvent adhesive complete as per direction of Engineer in charge, manufactures.s at the back side so that 'L' shape outer PVC beading can be removed when required for replacement of broken glass etc. complete as per direction of etc. complete as per direction of Engineer in charge and manufactuture's specification.icationntre with 25mm long dry wall screws @ 230mm interval and laying 15mm thick Densified edges light weight calcium silicate ceiling tiles of approved texture (Fine Fissured/Cosmos/Spintone) in the grid including, cutting /making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required, Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25X35X1.6mm fixed to ceiling with 12.5mm dia and 50mm long dash fasteners, 4mm G.I. adjustable rods with galvanized steel level clips of size 85X30X0.8mm, spaced at 1200mm centre to centre long main 'T' bottom exposed with 24mm of all T-sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by engineer-in charge.Note:- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tiles shall have NRC. Value of 0.50 (Minimum) for Fine fissured/Spintone/Cosmos and 0.75 NRC for Globe, light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity. 0.043° w/m KC.for the best thermal Insulation	SQ.M	0		
10	Pro. And fixing single layer water proof gypsum board 12.5 mm thick sections using water proof board of size 1220 mm x 1830 mm x 8.0 mm suspended by GI suspender channel of size 25 mm x 3 mm with intermediate channel og size 18 mm x 40 mm x 0.8 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm c/c and perimeter channel A of size 20 mm x 27 mm x 30 mm x 0.5 mm at edges & drops incl.paper tap sand sofit cleat, anchor fastener, scoch bolt connecting cleat,joining compound top coat on ceiling incl.making necy.opening for light fitting,diffuser etc. comp. as per detail drawing as directed	SQ.M	0		
	WATERPROOFING WORKS				
11	Filling in foundation and plinth with brick Bats Chhara in layers of 20cm. thickness including watering, remming and consolidating etc. complete.				
A	TYPICAL FLOORS/ QTY PER FLOORX5 FLOORS	CU.M	110.4		
12	Providing and laying cement concrete work 1:2:4 (1-Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base or columns and Mass concrete				
A	TYPICAL FLOORS/ QTY PER FLOORX5 FLOORS	CU.M	31.6		
13	Extra for providing and mixing water proofing material in Cement concrete in mix proportion recommended by the manufacturers.				
A	TYPICAL FLOORS/ QTY PER FLOORX5 FLOORS	Litres or Kg per Quintal of Cement	40.45		

14	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep				
A	(e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test.“All above operations to be done in order and as directed and specified by the Engineer-in-Charge : 22.7.1 With average thickness of 120 mm and minimum thickness at khurra as 65 mm	SQ.M	682.77		
15	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed.	SQ.M	682.77		
	FLOORING WORKS				
16	Providing and fixing 18 mm thick Polished Granite stone in required design and patterns, in linear as well as curvilinear portions of the building all complete/ gang saw cut, mirror polished, premoulded and prepolished, machine cut for, window sills, facias, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including fixing in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete . including moulding, rubbing and polishing of cut edges etc. complete and providing edge moulding to	SQ.M	536.18		
17	Providing and fixing 18 mm thick Polished Granite stone in required design and patterns, in linear as well as curvilinear portions of the building all complete/ gang saw cut, mirror polished, premoulded and prepolished, machine cut for, Tread,risers,flooring, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including fixing in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete . including moulding, rubbing and polishing of cut edges etc. complete and providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. and rubbing, curing, edge moulding (including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge) and polishing of edges to give high gloss finish etc. complete at all levels.	SQ.M	180.64		
18	Labour Charges half round edge for Granite	R.MT	273.3		

19	Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement	SQ.M	359.62		
20	Providing and laying Vitrified tiles 8 to10 mm thick,36"x36" in flooring, treads of steps and landing laid on a bed of 20 mm thick cement mortar1:3(1-cement :3-coarsesand) finishing with flush pointing in white cement.	SQ.M	2149.94		
21	Providing and laying coloured glazed tiles of the size 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	SQ.M	1448.72		
22	Providing and laying Vitrified tiles 8 to10 mm thick,36"x36" in skirting, treads of steps and landing laid on a bed of 12 mm thick cement mortar1:3(1-cement :3-coarsesand) finishing with flush pointing in white cement.	SQ.M	213.18		
23	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	SQ.M	954.18		
24	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.	SQ.M	38.96		
25	Providing and fixing 18 mm thick Polished Granite stone in required design and patterns, in linear as well as curvilinear portions of the building all complete/ gang saw cut, mirror polished, premoulded and prepolished, machine cut for, Dedo, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including fixing in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete . including moulding, rubbing and polishing of cut edges etc. complete and providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. and rubbing, curing, edge moulding (including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge) and polishing of edges to give high gloss finish etc. complete at all levels.	SQ.M	188.22		
26	Providing and installation of Vinyl Sports Sheet Flooring with skirting manufactured by Armstrong World Industries , Inc or approved by Engineer-in-charge,1.8m wide and 15 m long, having a nominal total thickness of 4.5mm. The wear surface shall be 0.45 mm and PUR coated with UV Treatment. Total weight should 3.03mm/sqm. Athleta shall conform to flammability Class Cfl as per EN 13501-1;Shock Absorption more than 28%; sliding coefficient of 0.45-0.65; energy return of 0.38m/s; vertical deformation of 2.3 mm and sound insulation of 20-22 db. Impact Resistance of 8N/M (as per DIN18032); Abrasion Resistance of 0.7 mm, Indentation Resistance of0.6mm (as per EN1016), Friction Coefficient of 0.6 (as per GB/T14833- 1993) and Rebound Coefficient of 0.86 (as per GB/T14833-1993). Design and shade to be as per architect choice, Installation should be done by authorized certified distributor.	SQ.M	38.43		
	ALUMINUM WORKS				
27	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm @ wt.of 0.738 Kg/mt , horizontal Three track member size 92mm x 31.75mm x 1.30mm,@ Wt.1.07 Kg/mt , vertical member of size 92mm x 31.75mm x 1.50mm @ Wt. 1.06 Kg/mt with sliding shutters of horizontal member size 40 mmx18mm x1.29mm @ wt.of 0.456 Kg/mt, vertical member of size 40mm x 18mm x 1.29 mm @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc	SQ.M	226.82		

28	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm @ Wt 1.094Kg / Rmt with colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for.window	SQ.M	38.52		
	DOORS				
29	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	SQ.M	495.62		
30	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including black enamelled iron oxidixed fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed	SQ.M	90.49		
31	Providing and fixing FRP frame size 125x65 mm and 35mm thick FRP shutter having extra reinforcement on sides & edges in polish finish. The core of the shutter & frame is to be filed up with injected polyurethene foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium S.S fixtures & fastenings & fastener sleeve.	SQ.M	180.52		
	M.S/S.S WORKS				
32	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame alround, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill.	KG	22990.04		
33	Supply and installation of Ø 42.4 mm 304 Grade S.S Handrail (Wall thickness 1.5 mm) 10 X 50 mm 304 Grade S.S. Top mounted Flat Baluster with glass holding Accessories with 100 x 100 x 8mm Thick 202 Grade base Plate and 4 No.Hilti GI M10x100mm Anchor 3 12 mm thick Straight Toughened Glass (Up to 735mm height)	R.mt	63.57		
34	Ø 42.4 mm 304 Grade S.S Handrail (Wall thickness 1.5 mm) With SS 304 Grade Top Bracket to Hold Glass For Top Mounted Powder Coatin 121x45mm Aluminum Channel System With Hilti GI M10x100mm Anchor 14.89 mm [8+.89 Sentry + 6] thick Straight Laminated Toughened Glass (Up to 1050mm height)	R.mt	347.45		
	PAINTING WORKS				
35	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	SQ.M	16298.44		
36	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	SQ.M	16298.44		
37	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	SQ.M	2540.86		
38	Providing and fixing wet cladding upto 10 metre heights with Exposed sliced Brick Work fixed to walls with approved Adhesives, sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-charge.	SQ.M	720.00		

	FRAME STRUCTURE				
1	Providing, driving with hydraulic piling rigs with power units and installing driven cast-in-situ reinforced cement concrete piles of grade M-30 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top the bottom of pile cap)	R.MT	3524		
2	Demolition including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	CU.M	42.05		
3	Providing and laying in position Ready Mixed M 300 grade concrete for reinforced cement conctere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 475 kg)	CU.M	493.38		
	EARTHWORKS				
4	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	CU.M	589.65		
5	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposited layer by ramming and watering	CU.M	265.52		
6	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Consentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concrentration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	SQ.M	600.76		
7	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(B) Conventional	CU.M	16.27		
	P.C.C WORKS				
8	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	CU.M	29.06		
9	Providing and laying cement concrete 1:3:6 (1- Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	CU.M	77.22		
	SHUTTERING WORKS				
10	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (A) Foundations Footings Bases of Columns etc. and Mass concrete.	SQ.M	326.19		

11	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (G) Columns PillarsPosts and struts. (1) Square Rectangular Polygonal in plan.	SQ.M	2411.08		
12	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (C) Vertical surface such as walls (any thickness) partitions and the like including attached buttresses & string course & the like	SQ.M	476.52		
13	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (M) Staircase with sloping or stepped soffits including risers and stringers excluding landing	SQ.M	137.94		
14	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (1) Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels not exceeding 1 M. in Depth.	SQ.M	3567.8		
15	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of supspened floors slabs Landings and the like. (1) Floors etc. upto 200 mm in thickness.	SQ.M	4101.87		
16	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (L) Chullah Hoods, weather shades Chhajjas Corbels etc. including edges.	SQ.M	44.92		
	CONCRETE WORKS				
17	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts, upto floor two level.	CU.M	363.29		
18	Extra for additional lift of concrete for all R.C.C. work above floor two level excluding cost of reinforcment	CU.M	1059.41		
19	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	CU.M	65.82		
20	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (E) Staircases excluding landing upto floor two level	CU.M	21.48		
21	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	CU.M	53.5		

22	Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement conctere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg)	CU.M	1112.41		
	REINFORCEMENT WORKS				
23	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	KG	107429.27		
24	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level -Columns and Walls	KG	84952.18		
25	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level -Plinth beam,Lintels,Chajja, Stair case	KG	8997.60		
26	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level -Floor Beams	KG	112173.75		
27	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level -Slabs,Grade slab	KG	49039.90		
	AREA DEVELOPMENT				
1	Box cutting the road surface to proper slope and camber for making a base for roadwork including removing the excavated stuff and depositing on the road side slope as directed upto 50 Mt. lead.	CU.M	333.45		
2	Providing and laying cement concrete1:3:6 (1-Cement : 3- coarse sand : 6-hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in(A)Foundation and Plinth	CU.M	125.14		
3	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.60mm thick cement concrete paver block of M-30 grade with approved colour, design & pattern.	SQ.M	408.8		
4	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30 cm length,30 cm height and15 cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	R.MT	466.37		

5	Providing and laying C.C. pavement of machine batching and machine mixed design mix M-25 grade cement concrete. The machine batched concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush , including steel form work with sturdy M.S channel sections, curing and making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, etc. complete as per specifications and directions of Engineer-in-charge. (Item of joint fillers, sealants shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. If Excess Cement as per specified for perticular grade is more than mentioned in Item, then No extra payment will be done. However less cement used as per design mix is recoverable separately	CU.M	105.4		
6	Steel work, welded in built up sections framed work including cutting,hoisting, fixing in position and applying a priming coat of red lead paint. (A)In beams and joists, channels anglesTees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters,purlins conneted to common rafters and the like	KG	15525.95		
7	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	CU.M	166.72		
8	providing and fixing GALVALUME colour coated (approved shade of 0.60 mm Total Coated Thickness (TCT) and SDP coated roof sheeting as per approved designs, drawings and specification, including rates for all overlaps with adequate sealing arrangements to ensure water tightness, wastages, approval of design and drawings, scaffolding etc., complete	SQ.M	438.17		
9	Boring holes 3.5 m deep in ordinary soil (forcast in situ piles)and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of piles.(iii) 300 mm	R.MT	56		
10	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	CU.M	10.07		

11	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (1) Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels not exceeding 1 M. in Depth.	SQ.M	50.16		
12	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(B) Conventional	CU.M	14.88		
13	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level -Slabs,Grade slab	KG	5585.08		
14	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trovel including scaffolding curing etc. complete	SQ.M	168.48		
15	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	SQ.M	168.48		
16	UGWT with Domestic and Fire water tank, Pump room Construction with Relevant plumbing and pumping Assessories	Litres	200000		
					₹ 0.00
TOTAL OF A+B+C					**₹ 0.00**

NOTES :	
1)	GST will be applicable extra as actual.
2)	If there is any extra item other than this, the rate of extra item has to be decided before the work.
3)	In this BOQ, Nos.of items and quantity may change or vary based on detailed architectural and structural design drawings.
4)	Wastage is not considered in this BOQ.
5)	BOQ consist of only those items as provided in drawings.
6)	The Item Description for the Boq are based on Gandhinagar SOR-23-24.
7)	Few of the items are not provided in DSR or other description.

COST ESTIMATE FOR INTERNAL ELECTRIFICATION WORK FOR EDI BHAT PRAPOSAL HOSTEL BLOCK

SR. NO.	PARTICULAR	UNIT	QTY	RATE	AMOUNT
1.00	**H.T to L.T work**				
1.0.1	Supply of 315 KVA Outdoor type Compact Substation consisting of Transformer,HT switchgear and LT Switchgear and confirming to IEC-62227. a) Transformer: 315 KVA Copper wound 11KV /433 V DYn11, Dry Cast resin type Transformer with tapping range +10 to -10% @ 2.5% (with tolerance), class F , with surge restorers, Digital WTI, IS1171 as per b) HT Compartment: 11KV, 21kA for 3 Sec . 630 A 50 Hz, gas insulated VCB in SS tank in sheet enclosure having provision for one no. direct connection of Incoming supply cable upto 300sq mm and one no. VCB(Manually charging & closing) in series with LBS between VCB and Transformer, Self Powered Relay 3 O/C +1 E/F Relay type CSPR-V5, mechanical ON/OFF indicator, trip coil , Manual Close & Trip PB, live cable indicator, mechanical interlocks, pad locking facility, SF6 gas manometer, cable boots, 3 nos. CTs with Ratio -/1A, Cl: 5P10, 2.5 VA for protection c) LV side compartment : one no. MCCB of 630A, 36kA, 4Pole, Microprocessor based release with arrangement for bottom cable termination	Nos	1		
1.0.2	Supply and labour charges for laying of 185sqmmX 3C 11kv E HT Cable	Mtr	100		
	Supply,Installation,testing and commsioning of HT indoor-OutDoor Joint Kits				
1.0.3	3C X 185sqmm HT indoor Joint	Nos	2		
1.0.4	3C X 185sqmm HT OUTdoor Joint	Nos	2		
	SUB TOTAL				
2.00	**PANELS**				
	Supply,Installation,testing and commisioning of Following type of PANELS made from CPRI Reports shall be as per IEC-61439-1,2020 and IEC 61439-2 2020 and ISO 2015 approval Approved panel Builder scope include unloading panel, shifting at required loaction checnking and fixing of lose parts wires WITH SUPPLY AND FIXING OF 100x50MM C-hannel (Req in panel room for Main panel, Lighting,APFC and fire panel)etc Panel Made AS per SLD and Given Approved Make list				
2.1.1	Hostel bulding MAIN PANEL	Ea	1		
2.1.2	UTILITY PANEL	Ea	1		
	SUB TOTAL				
3.00	**SAFTY ACCESSORIES**				
3.0.1	Supply of First Aid Box	Each	6		
3.0.2	Supply and Fixing of First aid chart in glassed wodden frame	Each	6		
3.0.3	Supply of Warning Signs	Each	6		
3.0.4	Supplying and fixing of 1.1 KV grade nominal 2.0 mm plus/minus 10 percentage thick insulated Synthetic Mat conforming to IS 15652:2006 and meeting the requirements of IS 5216 (Part1,2&3), IS 8437, IEC-479 Pub-1, along-with suitable adhesive/ chemibound, Pu resin, waterproofing compound and sealing material as per in service recommendation as per specifications of this tender and directions of Engineer-in-Charge.Complete as required.	Sq Mt	6		
3.0.5	Supply and Fixng of 440Volt danger caution board	Each	6		
3.0.6	Supply and Fixing of Resuscitation chart in Hindi and English Glass frame	Each	6		
	Supply,Installation,testing & commissioning of rodent and termite proof Fire Barriers on both sides of wall (Composite Sheet) system for 2 hours fire rating when tested in accordance with ASTM E 814/UL 1479 standards. The small gaps left around the penetrants should be closed with Intumescent sealant FS One max of Hilti make, or with Fire rated Moldable Putty CP 619T of Hilti make, which should be soft & moldable to any shape, to give complete L Rating. This system is to seal all fire rated vertical in wall made of concrete, masonry, metal, gypsum partition, after passing service lines like cables/cable bundles, cable trays etc. The system shall be UL listed & classified and product shall bear the UL & FM approval logo on the packing. If none of UL test certificate comply with actual application, an EJ document prepared by a qualified personnel and based on nearest third party tested & approved systems like UL test certificates & in accordance with IFC guidelines shall be producted by manufacturer. Firestop installation shall be done by Original Equipment Manufacturer Accredited Firestop Speciality Contractor (HAFSC) and in accordance with Original Equipment Manufacturer guidelines and UL system test certificates or approved EJ document.	Sq Mt	20		
3.0.7	Supply,Installation,testing & commissioning & expanding firestop foam on both sides of wall, with minimum 2 hours fire rating when tested in accordance with UL 1479/ASTM-E 814, for horizontal/ vertical openings in floors / wall or slabs made of concrete/ masonry or Gypsum after passing service lines like cable trays or cables/cable bundles.The system shall be UL listed & classified and product shall bear the UL and FM approval logo on the packing. If none of UL test certificate comply with actual application, an EJ document (as per IFC Guidelines) prepared by a qualified personnel and based on nearest third party tested & approved systems like UL test certificates & in accordance with IFC guidelines shall be producted by Original Equipment Manufacturer.Firestop installation shall be done by Original Equipment Manufacturer Accredited Firestop Speciality Contractor (HAFSC) and in accordance with Original Equipment Manufacturer. guidelines and UL system test certificates or approved EJ document	Each	4		
	SUB TOTAL				
4.00	**CABLE LAYING / TERMINATION / PVC Conduit Work (For ELV And Extra Work) / CABLET TRAY & STEEL STRUCTURE**				
4.1.1	Supply and Laying horizontally and vertically of XLPE insulated cables of following sizes on cable trays, supported on steel structures, in ready made trenches and / or to pull-through pipes. The rates shall include Installation, testing and commissioning of a G.I. saddles / clamps, saddle bars, etc, including transportation from owner's site store to the place of installation, unpacking and return the cable drums to site stores with all labour and materials as per the standard specifications, drawings and directions of 'Engineer-in-charge.				
4.1.2	1.5sqX3C CU FLEXI	Mtr			
4.1.3	1.5sqX4C CU FLEXI	Mtr			
4.1.4	2.5sqX3C CU FLEXI	Mtr			
4.1.5	4.0sqX3C CU FLEXI	Mtr			
4.1.6	6.0sqX3C CU FLEXI	Mtr			
4.1.7	2.5sqX4C CU FLEXI	Mtr			
4.1.8	4sqX4C CU FLEXI	Mtr	100		
4.1.9	6sqX4C CU FLEXI	Mtr	80		
4.1.10	10sqX4C CU FLEXI	Mtr	300		
4.1.11	6.0sqX3C CU XLPE	Mtr			
4.1.12	2.5sqX3C CU XLPE	Mtr			
4.1.13	2.5sqX4C CU XLPE	Mtr			
4.1.14	4sqX4C CU XLPE	Mtr			
4.1.15	6sqX4C CU XLPE	Mtr	80		
4.1.16	10sqX4C CU XLPE	Mtr			
4.1.17	16sqX4C CU XLPE	Mtr			
4.1.18	10sqX4C AL XLPE	Mtr	50		
4.1.19	16sqX4C AL XLPE	Mtr			
4.1.20	25sqX4C AL XLPE	Mtr	120		
4.1.21	35sqX3.5C AL XLPE	Mtr	100		
4.1.22	50sqX3.5C AL XLPE	Mtr			
4.1.23	70sqX3.5C AL XLPE	Mtr	30		
4.1.24	150sqX3.5C AL XLPE	Mtr			
4.1.25	185sqX3.5C AL XLPE	Mtr	50		
4.1.26	240sqX3.5C AL XLPE	Mtr			
4.1.27	300sqX3.5C AL XLPE	Mtr	200		
4.20	Supply & Termination of XLPE insulated cables of different sizes and connection of the Leads including supply of weatherproof single compression type cable glands and tinned copper lugs, including cutting / stripping of cable insulation, Installation, testing and commissioning of cable glands, crimping of the cable cores, marking with wire number ferrules, etc., including all labour and materials, as per standard specifications and directions of 'Engineer-in-charge.				

4.2.1	1.5 / 2.5sq X 3/4 C CU FLEXI / XLPE	Ea			
4.2.2	4sqX 3/4C CU FLEXI/ XLPE	Ea	6		
4.2.3	6.0sqX3C CU FLEXI	Ea			
4.2.4	10sqX4C CU FLEXI	Ea			
4.2.5	6.0sqX3C CU XLPE	Ea			
4.2.6	6sqX4C CU XLPE	Ea	4		
4.2.7	10sqX4C CU XLPE	Ea	38		
4.2.8	10sqX4C AL XLPE	Ea	30		
4.2.9	16sqX4C AL XLPE	Ea			
4.2.10	25sqX4C AL XLPE	Ea	8		
4.2.11	35sqX3.5C AL XLPE	Ea	6		
4.2.12	50sqX3.5C AL XLPE	Ea	2		
4.2.13	70sqX3.5C AL XLPE	Ea			
4.2.14	150sqX3.5C AL XLPE	Ea			
4.2.15	185sqX3.5C AL XLPE	Ea	2		
4.2.16	240sqX3.5C AL XLPE	Ea			
4.2.17	300sqX3.5C AL XLPE	Ea	4		
4.3	**Excavation and Back filling work**				
4.3.1	Excavation and back filling of cable trenches required for laying the cables directly buried in the ground. The depth shall be app. 0.7mtr	Rmt	150		
4.3.2	Supply and labour charges for spreading of sand and laying of bricks	M3	50		
4.3.3	SITC of laying of 100mm DIA Dwc pipe	Rmt	20		
4.3.4	SITC of making of 600X600mmX600mm Deep Chamber with 8KGN Chamber Cover	Ea	2		
4.5	**PVC Conduit Work (For ELV And Extra Work)**				
	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed				
4.5.1	20mm MMS Grade (Low voltage & Electrical)	Mtr			
4.5.2	25mm MMS Grade(Low voltage & Electrical)	Mtr	1450		
4.5.3	32mm MMS Grade(Low voltage & Electrical)	Mtr			
4.5.4	40mm MMS Grade (Low voltage & Electrical)	Mtr			
4.6	Supply and installation of following sizes of pre-fabricated **HDGI** ISI approved Perforated type cable tray type cable tray along with coupler plates, 90j bends, Tees,Reducer etc, necessary nut-bolts / washers and other hardware etc.				
4.6.1	300mm (W) x 50mm(H) x 2mm (THK) Cable tray	RMT	280		
4.6.2	Supply and installation of Cabel tray Support with 8mm dia thread road 2 nos bullets, Slotted Patti to fix cable tray and all other required accessories. (W/o welding work)	EA	100		
4.6.3	SITC of Fabrication work with appropriate size of MS angle ,C cahnnel for Cable tray Support scope also include with Two coat of Red Oxide and 2coat of Oil paint with Required Nutbolt, Anchor Fishnor etc.	Kg	50		
	SUB TOTAL				
5.00	**EARTHING**				
5.0.1	Supply, installation, testing & commissioning of Maintenance Free earthing as per specification, drawing and as per the instruction of Engineer-in-charge. The unit rate shall include Excavation & backfilling, copper bonded rod, filled with high conductive and corrosion resistant crystalline mixture and Backfill Compound around electrode.				
5.0.2	Installation, testing and commissioning of UL LISTED CPRI Tested 25mm dia, 3 mtr. Long Copper clad steel rod type Earth Electrode complete with earth pit and all necessary materials, including drilling / excavation of earth pit, supply and applying earth resistance enhancement compound (50 Kg), back filling / disposal of excavated earth,readymade necessary FRP pit with loading capacity of 5 ton, earth connection using the conductor as mentioned in the layout drawings between earth electrode and main earth grid, including all materials as per 'standard drawing shown in the specifications, specifications and Engineer-in-charge.	Ea	10		
5.0.3	SITC of G.I./Copper earthing loop / grid conductors/Cu. Cables of following sizes along the cable trenchs / cable trays / on the wall or structures / buried in ground Installation shall include the welding at joints and providing anti corrosive point (black butimine) at the welded portion, Green Color Sleeve required threwout strip and clamping using Insulator clamps to avoide direct connection to structure and necessary hardware and materials as per standard drawings, specifications and directions of Engineer-in-charge.				
5.0.4	25 x 3 mm G.I. STRIPS	Mtr	350		
5.0.5	8Gaj CU Wire	Mtr	100		
5.0.6	6sqmm CU Flexible Wire	Mtr	100		
	SUB TOTAL				
6.00	**DISTRIBUTION BOARD**				
6.0.1	Supply installation testing and Commisioning of 6Way SPN DD DB with I/C 25A DP ELCB-30mA and 10/16/20A SP MCB-10KA -4nos	Ea	1		
6.0.2	8Way TPN - DD Type DB I/C-40A/63A FP MCB 10KA o/C:- 40A DP ELCB 30mA -3nos, 10/16/20/25A SP MCB -18nos	Ea	19		
6.0.3	6Way VTPN DD Type I/C 100A FP MCB 25KA O/C-63 TP MCB 6 NOS	Ea	2		
6.0.4	Supply installation testing and Commisioning of 32A 3-PH Industrial Plug Socket with Mounting Box, Socket,TOP and 32 FP MCB 10ka with front Plate	Ea	2		
6.0.5	Supply installation testing and Commisioning of 16A 1-PH Industrial Plug Socket with Mounting Box, Socket,TOP and 16A DP MCB 10ka	Ea	2		
6.0.6	Supply installation testing and Commisioning of FRP Rectangular Sintex Junction Box -GSJB-1414, Size: 150X150X100mm	Ea	4		
6.0.7	Supply installation testing and Commisioning of SMC Rectangular Sintex Junction Box -GSJB-20 14, Size: 200x140x95mm	Ea	1		
6.0.8	SITC of Fixing of 4Way IP 66 NON FLP Junction Box suitable current rating upto 32A / 440V.	Ea			
	SUB TOTAL				
7.00	**MAINS (Point wiring)**				
	WITH MODULAR TYPE SWITCHES Wiring of points to be done in concealed / Open manner (As per drawings provided) in 25 mm dia medium gauge Rigid PVC FRLS pipe. Wiring shall be done with FRLS type copper flexible wire of 650V/1100V. Separate pipe should be taken for circuit mains. Nos of circuit of the same phases may be taken in same conduit (Max. 2 Ckts). The circuit shall be laid in 25/40 mm dia medium gauge rigid PVC FRLS pipe. The point rate shall include all the necessary piping and wiring from Distribution board to switch board & Switch board to the batten holder / angle holder / Connector / Ceiling rose all inclusive Except Sub panel / Dist board				
	The wiring shall be done as per relevant prevailing standard. The looping of the wiring should be done in the switch boxes or light and fan point outlet boxes to avoid the junction boxes. The junction boxes and switch boxes for the ceiling light point, fan point etc shall be minimum 60mm deep. All the necessary jarry in brick plastered walls should be done with machine cutter only, also jarry should be filled with cement, sand and wire/Chicken mesh as required, the material cost for rough finish shall be included in point rate. Wiring should be done as per distribution details. Each circuit should have dedicated phase, neutral & earth wire. MAins wiring include in Point Rate no Extra Mains Measurement given.				
	For Light Points /fan point/ wall fan / 6A 3 Pin Plug				
	DB to SB - 2.5 sqmm for Phase & Neutral & 1.5sqmm Earth				
	MCB / SB to Point - 1.5 sqmm for Phase & Neutral & Earth				
	For 6A plug point				
	1.5 sqmm for Phase, Neutral & Earth				
	For 6/10/16A general purpose plug point				
	2.5 sqmm for Phase, Neutral & 1.5 sq. mm Earth				
	For 16A plug point for A/C and Geyser				
	2.5 sqmm for Phase, Neutral & 1.5 sq. mm Earth				

	For 20/32A plug point				
	- 4 sqmm for Phases, Neutral & 2.5 sq. mm Earth				
	FROM DB TO VRV AC INDOOR UNIT- 1.5 sqmm for Phases, Neutral & 1.5 sq. mm Earth				
	For INDUVIDUAL AC				
	FROM DB TO AC Switch To INDOOR UNIT- 4.0 sqmm for Phases, Neutral & 2.5 sq. mm Earth FROM DB TO AC average Length 30mtr				
	DB to MCB Primary LP AVG length 25mtr, Primary TO LOOP / SEC.Point Avg Length 6mtr				
	DB to SB AVG Length 20mtr , AS TO Primary Light Point AVG Length 8mtr, Primary To Loop / Sec.LP avg Length - 5mtr				
7.0.1	Supply installation testing and Commisioning of Two Way Light point controll with 1.5sqmm of (P+N+E) wire in PVC conduit controll by 2nos of Two Way Switch switch.	Ea	135		
7.0.2	Supply installation testing and Commisioning of Primary Light point controll with 1.5sqmm of (P+N+E) wire in PVC conduit controll by 1nos of 5A switch.	Ea	350		
7.0.3	Supply installation testing and Commisioning of Secondary Light point controll with 1.5sqmm of (P+N+E) wire in PVC conduit controll by from above point..	Ea	530		
7.0.4	Supply installation testing and Commisioning of FAN point controll with 1.5sqmm of (P+N+E) wire in PVC conduit controll by 1nos of 5A switch and 2M Fan Regulator.	Ea	125		
7.0.5	Supply installation testing and Commisioning of Exhust Fan point controll with 1.5sqmm of (P+N+E) wire in PVC conduit controll by from above point.	Ea	110		
7.0.6	Supply installation testing and Commisioning of 15A Plug Point Controll by 15A indicating Switch Primary Point	Ea	150		
7.0.7	Supply installation testing and Commisioning of 15A Plug Point Controll by 15A indicating Switch Loop from Above Point	Ea	180		
7.0.8	Supply installation testing and Commisioning of 5A Plug Point Controll by 5A Switch On board Plug Point	Ea	240		
7.0.9	Supply installation testing and Commisioning of 5A Plug Point Controll by 5A Switch Seprate Plug Point	Ea	120		
7.0.10	Supply installation testing and Commisioning of 5A Plug Point Controll by 5A Switch Loop from Above Point	Ea	230		
	SUB TOTAL				
8.00	**Light Fixtures**				
	SITC for Fixing Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.9, THD < 15%, CCT 6000K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) **Light Fitting Marking given by electrical contractor**				
8.0.1	SITC of 18Wt Luminaire Ceiling Light fixture.	Ea	520		
8.0.2	SITC of 18Wt Luminaire COB Light fixture.	Ea	130		
8.0.3	SITC of 10Wt Luminaire WALL Light fixture.	Ea	110		
8.0.4	SITC for HighSpeed Ceiling Fan- 1200mm dia - Make : Crompton , Havell's	Ea	125		
8.0.5	SITC of fixing of appropriate size of fan rod (anti suicide rod)with Fan fashnor and Rubber clamp to complet the job fan road size upto 2mtr long	Ea	125		
8.0.6	SITC of 12inch Dia Metal Body Heavy Duety Exhaust Fan, Make: Havells , Crompton, Almonard, Bajaj,	Ea	110		
8.0.7	lighitng pole with pole	Ea	40		
	SUB TOTAL				
9.00	**ELV System**				
	NETWORK ,TELEPHONE AND Cat-6 Cable				
9.0.1	Supply, Installation and Testing of Data outlet with 1-port Faceplate, 1 no. of RJ-11 Jack and modular GI box /PVC Surface box as per detail technical specifications and as per instruction of engineer in charge. - FOR TELEPHONE Contractor must makr ferul both end punching will be done by client	Ea	110		
9.0.2	Supply, Installation and Testing of Data outlet with 2-port Faceplate, 1 no. of RJ-45 Jack (CAT-6) and modular GI box /PVC Surface box as per detail technical specifications and as per instruction of engineer in charge. - FOR DATA must makr ferul both end punching will be done by client	Ea	10		
9.0.3	Supply, Installation, Testing and Connection of UTP, 4-pair, 23 AWG, LSZH rated CAT-6 , 1Gbps Data rate cable laid through conduits/Cable Tray etc. (Rates of conduits/Cable tray shall be quoted separately at elsewhere) as per detail technical specifications with Ferul marking at both end	MTR	2000		
9.0.4	Supply, Installation and Testing of CAT-6 Patch cables (UTP) - 0.5 Mtr. Length with both side male RJ-45 Connectors and connections as per detail technical specifications and as per instruction of engineer in charge.	Ea.	10		
9.0.5	Supply, Installation and Testing of CAT-6 Patch cables (UTP) - 1 Mtr. Length with both side male RJ-45 Connectors and connections as per detail technical specifications and as per instruction of engineer in charge.	Ea.	5		
9.0.6	Supply, Installation and Testing of CAT-6 Patch cables (UTP) - 2 Mtr. Length with both side male RJ-45 Connectors and connections as per detail technical specifications and as per instruction of engineer in charge.	Ea.	2		
9.0.7	Supply, Installation and Testing of 24-port, Fully Loaded Flat Patch Panel of 19" wide, 1RU mounting height and 24 RJ-45 jacks (CAT-6) as per detail technical specifications and as per instruction of engineer in charge.	Ea.	1		
9.0.8	Sitc of fixing of 50pair telephone krone box with Krone connector	Ea	2		
9.0.9	Sitc of fixing of 20pair telephone krone box	Each	5		
9.0.10	SITC of laying of 50pair jellyfield Armoured Telephone Cable	Mtr	50		
9.0.11	SITC of laying of 20pair jellyfield Armoured Telephone Cable	Mtr	300		
9.0.12	SITC of laying of 10pair jellyfield Armoured Telephone Cable	Mtr			
9.0.13	SITC of 10 mtrs 2.0 HDMI Cable 1080P 4K quality in Prelaid pvc conduit	Each	2		
	SUB TOTAL				
10.00	**CCTV System,Time Attendance system(TAM) (CLIENT SUPPLY ITEMS)**				
10.0.1	Supply, Installation, Testing and Commissioning of DOME Camera with following features : **2MP IR** Dome Camera (2.8mm Lens with Aperture of **F1.6** (By Default) / F2.0 (On demand)) • 1/2.8" CMOS • **2MP**, 0Lux with IR LED on, 2.8mm M12 lens/**F 1.6** • Horizontal **Field of View: 107** degrees and IR Range of up to 50 meters • Video Analytics: Trip Wire, Intrusion Detection and Motion Detection • H.265/H.264/M-JPEG Video Compression • PoE Support, NAS Storage, SD Card(512GB), Quad Stream Support • True WDR, 3D Noise Reduction, Adaptive Streaming, Smart Streaming and ROI, **SNR > 70 dB** Alarm Tigger- Motion Detection, Mask Alarm,IP Address Conflict Audio I/O - Inbuilt Mic In • BIS, CE, FCC, RoHS, IK10, IP67, UL *NDAA Compliant Product on request	Ea	46		
10.0.2	Supply, Installation, Testing and Comissioning of **64 Channel NVR** with **4K Support** and **8 HDD Slots** • **64 IP Channel** Inputs; **4K HDMI,** 1/1 Audio I/O and 2/1 Alarm I/O • 12MP, 8MP, 5MP, 4MP, 3MP, 2MP, 720p, D1 and CIF Recording Resolution • 4x 4K/ 10x 3MP/16x 1080p Local Decoding • 8 SATA HDD Support (Maximum 10TB Capacity per Slot, Hard Disk Not Included) • Save Storage Space with Adaptive Recording and Camera-wise Recording Retention • SMS & Email Notification, Video Pop-up, Alarms and Calling from Mobile Application Alarm Tigger- Motion Detection, Mask Alarm,IP Address Conflict Audio I/O - Inbuilt Mic In • 512Mbps Throughput - 256 Uplink, 256 Downlink • Cascading: Create Mutiple NVR Clusters to Monitor and Control Multiple Matrix NVRs Centrally • ONVIF and Maior Camera Brands Support	Ea	1		
10.0.3	Supply Installation Testing & Commissioning of 8 TB Surveillance Harddisk	Ea	4		
10.0.4	SITC of 43 inch LED TV for CCTV System	Ea	1		
	SUB TOTAL				
11.00	**DG SET**				

	Supplying and erecting, commissioning and testing of Diesel Generating set confirming to IS: 4722:1968 & BS:5514 having continuous rating, 3 phase, 415 volts, 50 cycles A.C. supply comprising of a totally enclosed air/water cooled diesel engine with multi-cylinders developing suitable BHP not less than following capacity at 1500 RPM with 10% overload for one hour in 24 hours with standard accessories like fly wheel, lubricating oil cooler, "A" class governor, heavy duty fuel wheel and lubricating oil filter, oil bath air filler, lubricating oil pressure gauge, end exhaust manifold, standard set of tools with adjustable spanners, screw drivers, cylinder head to cover, joint cylinder head to exhaust, element lube oil filter, 12 / 24 volts electric starting equipment complete with standard heavy duty battery, dynamo, cut-outs, ammeter, necessary wiring, pressure gauge, starter etc and heavy duty Residential type exhaust silencer and vertical hot air duct both				
	Supplying and erecting, commissioning and testing of Diesel Generating set confirming to IS: 4722:1968 & BS:5514 having continuous rating, 3 phase, 415 volts, 50 cycles A.C. supply comprising of a totally enclosed air/water cooled diesel engine with multi-cylinders developing suitable BHP not less than following capacity at 1500 RPM with 10% overload for one hour in 24 hours with standard accessories like fly wheel, lubricating oil cooler, "A" class governor, heavy duty fuel wheel and lubricating oil filter, oil bath air filler, lubricating oil pressure gauge, end exhaust manifold, standard set of tools with adjustable spanners, screw drivers, cylinder head to cover, joint cylinder head to exhaust, element lube oil filter, 12 / 24 volts electric starting equipment complete with standard heavy duty battery, dynamo, cut-outs, ammeter, necessary wiring, pressure gauge, starter etc and heavy duty Residential type exhaust silencer and vertical hot air duct both				
	indicator lamps duly wired with HRC fuses. The alternator & control panel shall be connected with provided suitable capacity armoured cable and complete with Acoustic enclosure (canopy) made out of 16 SWG CRCA Sheet, sound absorbing material Rockwool of 64 density & 100 mm thick conforming to IS:8183 / PU Foam of 40 Density - at least 40 mm. The resin bonded rockwool covered from inside the canopy by perforated sheet with 3/4 mm holes, sound level not more than 75 dB at a distance of 1 mtr, as per PVCT norms. Erection, commissioning and satisfactory testing as per requirement with first filling of fuel, oil, etc. with guarantee / Warrantee of complete system for Two years. & with obtaining all necessary certificate from Electrical Inspector. The Capacity and Ratings of DG sets are as below.				
11.0.1	(L) Continuous rating of 100 KVA ,BHP not less than 126 BHP	Ea	1		
	SUB TOTAL				
8.00	**Fire Alarm System**				
8.1.1	**Fire Detection, Alarm and Control System** SITC of 4 Loop Addressable Panel with Inbuilt 2 loops; expandable upto 6 /8 loops ; 7 inch touch screen display ; 10000 Event log ; 2000 Zone logics; Loop Current 750 mA; inbuilt Networking Port; 4 Access Levels ; 2000 Soft Zones . EN54 Part 2 & 4 Certified	Ea	1		
8.1.2	SITC of Inteligent Addressable micro processor Multi Sensor (Photo + Heat) detector with bicolour 360 deg LED indication, electronic addressing, multiple sensitivity levels, pre-alarm option, non-volatile memory having provision for seld diagnostics and history log, dust and dirt resistant with dirft compensation, plug in design, feild replacable photo chamber, with compatible mounting bases, Junction box and other accessories, as required and working on 19-24V DC supply, all complete as required. The device shall be EN 54 / LPCB Approved	EA	140		
8.1.3	SITC of Inteligent Addressable micro processor Heat detector with operating temperature of 57 deg C & 9 deg C rate of rise of temperature with bicolour 360 deg LED indication, electronic addressing, non-volatile memory having provision for self diagnostics and history log, dust and dirt resistant, plug in design, with compatible mounting bases, Junction box and other accessories, as required and working on 19-24V DC supply, all complete as required. The device shall be EN 54 / LPCB Approved	Ea	5		
8.1.4	SITC of Response indicator with LED display for all detectors located above false ceiling	Ea	10		
8.1.5	SITC of Addressable Manual Call Point, integrally mounted addressable module, that monitors and reports the contact status. The device shall be EN 54 / LPCB Approved	Ea	4		
8.1.6	SITC of Analogue Addressable Electronic Hooter cum Strobe of 88dba/90dba and 15,30,75 & 110 cd,The device shall be EN 54 / LPCB Approved	Ea	10		
8.1.7	Supply, Installation, Testing & Commissioning of 2 Core X 1.5 Sq.mm FRLS PVC insulated armoured copper conductor cable with all Required Accessories as per technical specification etc. as required. For FAS & PA System.	RMT	2500		
	SUB TOTAL				
12.00	**Lisioning Work**				
12.01	Liaison work with Local Electricity board For procurement of statutory approval of electrical power, installation work including transformers,DG's panels etc, installation & getting Approval from Licensee, Electrical Inspector - IM & E Dept with necessary all drawings/documents/perfoma/site visit for supervision etc.Preparation and submission of as-built layout drawings, SLDs, perfoma, lists etc to Electrical Inspector and utility board for approval and receiving completion certificate for power charging is included in this job.	Job	1		
	SUB TOTAL				
	TOTAL INTERNAL ELECTRIFICATION WORK				-

GST EXTRA

Abstract Sheet - Fire Fighting Works

Item No.	Item Description	Unit	Quantity	Rate	Amount
A	**Pump Room**				
1	Supply, installing, testing, & commissioning of Electric motor driven Main Pump suitable for automatic operation consisting of the following (as per specification for External + Internal hydrant system).Back Pull out centrifugal type pump complete for delivery of 2250 LPM against a total head of 70 metres with bronze impeller, shaft SS complete with mechanical seal with Complete accessories like Earthing, Local Push Button, Cabling between Panel and Pump Motor. Including Squirrel cage induction motor. Conforming to requirements of IS.	Each	1		
2	Supply, installing, testing, & commissioning of electric motor driven Jockey Pump suitable for automatic operation consisting of the following (as per specification). Electric driven automatic pressurisation pump set consisting of the following. Vertical In line, centrifugal Multistage Jockey pump complete for delivery of 180 LPM against a total head of 75 metres with SS impeller complete with mechanical seal with Complete accessories. Squirrel cage induction motor suitable for above pump.2	Each	1		
3	Supplying, installing and commissioning of Bourdon type **Pressure gauge (150mm dial)** with gauge cock - range 0-25 kg/sq.cm(g).	Each	1		
4	Supplying, installing and commissioning of Pressure switch (2SPDT) with needle valve.	Each	1		
5	Supplying, installing and commissioning of Cast iron wafer type lever operated **butterfly valv**e conf. to IS: 13095, PN-16 with fittings, flanges, nut, bolts & washers, etc. MOC of the Body & disc shall be CI as per IS:210 FG200, EPDM / Neoprene seat, carbon steel (EN8) shaft and nylon / Teflon bearing. Valves exceeding 150 mm dia shall be gear operated. **150mm nominal dia**	Each	3		
6	Supplying, installing and commissioning of Dual plate Wafer type **Non Return valve** with PN 16 rating, fittings, flanges, nuts, bolts, washers etc. **150 mm nominal dia**	Each	1		
7	Supplying, installing and commissioning C.I. Y type Strainer with suitable flanges, nuts, bolts, gaskets etc. complete. **150 mm nominal dia**	Each	1		
8	Fabricating & Supply, installing, testing and commissioning of Control Panel with Cabling & Cable tray for Fire pumps.	Each	1		
9	Supply, installation, testing & commissioning of Flexible connections for pumps**150mm Dia**	Each	2		
10	Supply, Installation, Testing & commissioning of Mild Steel black pipes, ERW, Heavy grade conforming to IS:1239 up to 150 mm dia. and IS:3589 for pipes above 150 mm dia. complete with fittings, reducers, tees, high tech supports, structural clamps such as rods, channels, angles, nuts, bolts & washers, as required to be firmly mounted on the steel structural members. 10 % of all the welded joints shall be done rediographically tested and 50% of the joints radiographed shall be the "Field Joints" & hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. Painting for piping, fittings, hanger support with U clamp, U bolt, threaded rods, nut, bolts & washers & structural pipe support shall be as per technical specification with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge. (Pipe - JINDAL Make) MS structural supports & Civil pedesgtral will be paid separately **150mm nominal dia**	R.Mt.	200		
11	Supply, Installation, Testing & commissioning of Mild Steel black pipes, ERW, Heavy grade conforming to IS:1239 up to 150 mm dia. and IS:3589 for pipes above 150 mm dia. complete with fittings, reducers, tees, high tech supports, structural clamps such as rods, channels, angles, nuts, bolts & washers, as required to be firmly mounted on the steel structural members. 10 % of all the welded joints shall be done rediographically tested and 50% of the joints radiographed shall be the "Field Joints" & hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. Painting for piping, fittings, hanger support with U clamp, U bolt, threaded rods, nut, bolts & washers & structural pipe support shall be as per technical specification with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge. (Pipe - JINDAL Make) MS structural supports & Civil pedesgtral will be paid separately **80mm nominal dia**	R.Mt.	80		
12	Supplying, installing, testing and commissioning of Internal hydrant comprising of the following,Single headed hydrant valve as per IS 5290, made of Stainless Steel(SS 304) with 63 mm dia instantaneous out & 80 mm dia fanged inelt stand pipw included inlet,Blank cap , chain and hand wheel etc complete.(internal & external).	Each	15		
13	2 lengths of 15 Mtr long, 63mm dia RRL hose as per IS:636 Type B with instataneuos couplings and Hoses shall be stored in side the hose cabinet.	Each	15		
14	1 no. SS-304 short branch pipe with nozzle	Each	15		
15	MS Outdoor Type Hose cabinet stand mounted type fabricated out of MS sheet of 16 swg. with glass fronted (4mm thick glass with rubber beeding) door and size of the cabinet shall be 600mm x 750 mm x 250 mm Quoted rate shall be includes suitable stand for mounting, all fasteners etc, and cabinet shall be powder coated of approved colour both inside and out side.	Each	15		
16	Supplying, installing, testing and commissioning of S.S. orifice plate of 6 mm thk. For single hydrant.40mm	Each	2		
17	Supplying, installing and commissioning of fire brigade Siamese connection of **4 way with 4 nos. 63 mm dia**. built - in Gun metal Non- return valves instantaneous coupling type arranged on 150 mm dia. Pipe manifold and connected to wet riser main. Qouted rate shall be included with C.I. Butterfly valve, C.I. Non-return valve etc. complete. Piping to be considered as per the approved route at site.	Each	1		
18	Supplying, installing, testing and commissioning of 25mm dia GM air release valve with copper alloy globe valve.	Each	2		
19	SITC of Steel Structure for supporting	kg	500		
20	Supplying, installing and commissioning of Cast iron wafer type lever operated butterfly valve conf. to IS: 13095, PN-16 with fittings, flanges, nut, bolts & washers, etc. MOC of the Body & disc shall be CI as per IS:210 FG200, EPDM / Neoprene seat, carbon steel (EN8) shaft and nylon / Teflon bearing. Valves exceeding 150 mm dia shall be gear operated. **80mm nominal dia**	Each	20		
21	Providing , supplying & Installation of ABC Dry Powder type - 6 Kg. Capacity as per IS:15683	Each	12		
22	Providing , supplying & Installation of CO2 type - 4.5 Kg. Capacity as per IS:15683	Each	12		
23	Supply & Installation of Sand buckets of 9L capacity as per IS:2546	Each	1		
24	Supply & Installation of M.S stand & canopy for housing 2 nos of sand buckets of 9L capacity	Each	1		
25	Making all liasoning work for getting provisional & Final CFO NOC, as filling necessary applications, submission of forms for approval to the municipal authorities, depositing and making channels for the necessary fees and other amounts as required for getting the premises / installations inspected and approved and all other formalities required till the sewer / storm water connection is obtained. All the expenses incurred in this regard shall be borne by the Contractor, except for the payments to be made for any security deposits which will be reimbursed on production of original voucher.	Each	1		
26	Providing, fixing, testing & commissioning of 15mm dia quartzoid bulb type sprinklers of rating 68 degree centigrade with rosette plate & required accessories : Pendent Sprinkler	Each	165		
27	Supply, Installation, Testing & commissioning of Mild Steel black pipes, ERW, Heavy grade conforming to IS:1239 up to 150 mm dia. and IS:3589 for pipes above 150 mm dia. complete with fittings, reducers, tees, high tech supports, structural clamps such as rods, channels, angles, nuts, bolts & washers, as required to be firmly mounted on the steel structural members. 10 % of all the welded joints shall be done rediographically tested and 50% of the joints radiographed shall be the "Field Joints" & hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. Painting for piping, fittings, hanger support with U clamp, U bolt, threaded rods, nut, bolts & washers & structural pipe support shall be as per technical specification with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge. (Pipe - JINDAL Make) MS structural supports & Civil pedesgtral will be paid separately 65mm nominal dia	rmt	85		

28	Supply, Installation, Testing & commissioning of Mild Steel black pipes, ERW, Heavy grade conforming to IS:1239 up to 150 mm dia. and IS:3589 for pipes above 150 mm dia. complete with fittings, reducers, tees, high tech supports, structural clamps such as rods, channels, angles, nuts, bolts & washers, as required to be firmly mounted on the steel structural members. 10 % of all the welded joints shall be done rediographically tested and 50% of the joints radiographed shall be the "Field Joints" & hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. Painting for piping, fittings, hanger support with U clamp, U bolt, threaded rods, nut, bolts & washers & structural pipe support shall be as per technical specification with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge. (Pipe - JINDAL Make) MS structural supports & Civil pedesgtral will be paid separately 50mm nominal dia	rmt	195		
29	Supply, Installation, Testing & commissioning of Mild Steel black pipes, ERW, Heavy grade conforming to IS:1239 up to 150 mm dia. and IS:3589 for pipes above 150 mm dia. complete with fittings, reducers, tees, high tech supports, structural clamps such as rods, channels, angles, nuts, bolts & washers, as required to be firmly mounted on the steel structural members. 10 % of all the welded joints shall be done rediographically tested and 50% of the joints radiographed shall be the "Field Joints" & hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. Painting for piping, fittings, hanger support with U clamp, U bolt, threaded rods, nut, bolts & washers & structural pipe support shall be as per technical specification with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge. (Pipe - JINDAL Make) MS structural supports & Civil pedesgtral will be paid separately 40mm nominal dia	rmt	85		
30	Supply, Installation, Testing & commissioning of Mild Steel black pipes, ERW, Heavy grade conforming to IS:1239 up to 150 mm dia. and IS:3589 for pipes above 150 mm dia. complete with fittings, reducers, tees, high tech supports, structural clamps such as rods, channels, angles, nuts, bolts & washers, as required to be firmly mounted on the steel structural members. 10 % of all the welded joints shall be done rediographically tested and 50% of the joints radiographed shall be the "Field Joints" & hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. Painting for piping, fittings, hanger support with U clamp, U bolt, threaded rods, nut, bolts & washers & structural pipe support shall be as per technical specification with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge. (Pipe - JINDAL Make) MS structural supports & Civil pedesgtral will be paid separately 32mm nominal dia	rmt	85		
31	Supply, Installation, Testing & commissioning of Mild Steel black pipes, ERW, Heavy grade conforming to IS:1239 up to 150 mm dia. and IS:3589 for pipes above 150 mm dia. complete with fittings, reducers, tees, high tech supports, structural clamps such as rods, channels, angles, nuts, bolts & washers, as required to be firmly mounted on the steel structural members. 10 % of all the welded joints shall be done rediographically tested and 50% of the joints radiographed shall be the "Field Joints" & hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. Painting for piping, fittings, hanger support with U clamp, U bolt, threaded rods, nut, bolts & washers & structural pipe support shall be as per technical specification with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge. (Pipe - JINDAL Make) MS structural supports & Civil pedesgtral will be paid separately 25mm nominal dia	rmt	450		
	Grand Total				-

SR NO	ITEM DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
1.0	Supply,checking, storing and fixing **S. S. sink, single bowl** with tap point on wall / counter comprising of Concealed type brackets fixed to wall with adjustable clamp to push against counter rim,40 mm heavy plated **C.P. waste coupling JAQUAR-ALD-729** fitting without pop-up,with flexible PVC pipe with connector,CP swan neck sink faucet model **JAQUAR-LYR-38347S** Painting brackets with two coats of white enamel paint over one coat of primer,table mounted / wall mounted. Kitchen sink with drain board)**(model :Nirali-olympia or equivalent)** (Final Model of fixture to be selected by architect)	Each	2		
2.0	Supply, checking, storing and fixing in position **European water closet** comprising of Wall hung European W.C. Pan Model **ARIA-ARS-WHT-3995** or Equivalent in white colour, on approved type of chairs,Metropole Model No.**FLV-1093NSQ** or Equivalent as directed,**C.P health faucet Model No. JAQUAR-ALD-557** or Equivalent with required length of flexible tube, clamp and bracket for fixing to wall, C.P. brass 2-way bib cock Model No. **JAQUAR-OPP-15041PM** or Equivalent,CP Toilet paper holder Model **JAQUAR-ACN-1151N** or Equivalent,Solid bakelite water closet cover and seat with C.P. hinges and rubber buffers,Fixing W.C. unit with brackets and accessories in position,Necessary pipe connection to PVC / PP / CI soil pipe,Painting bracket with two coats of white enamel paint over a coat of primer. (Final Model of fixture to be selected by architect)	Each	104		
3.0	Supply, checking, storing and fixing Under Counter **wash hand basin MODEL:JAQUAR-JDS-WHT-25907N** ith ,32 mm heavy plated C.P. waste coupling **JAQUAR-ALD-729** fitting with pop-up,32 mm heavy plated C.P. bottle trap **JAQUAR-ALD-769L250x190** with cleaning eye with extension piece and wall flange,Painting brackets with two coats of white enamel paint over one coat of primer,CP Basin Faucet **JAQUAR-KUP-35021PM** with 15 mm C.P. brass heavy grade flexible inlet connection with C.P. nut (minimum length 450 mm) made to measure. (Final Model of fixture to be selected by architect)	Each	104		
4.0	Supply, checking, storing & fixing CP Over Head shower **MODEL:JAQUAR(ESSCO)-EOS-542A** complete as per instructions of the engineer-in-charge.	Each	104		
5.0	Supply, checking, storing & fixing CP single lever wall mixer **MODEL:JAQUAR(ESSCO)-ORB-105055K** with Concealed body Shower Valve **MODEL:JAQUAR(ESSCO)-ALE-055** and bath spout complete as per instructions of the engineer-in-charge.	Each	104		
6.0	Supply, checking, storing & fixing C.P. brass **towel ring MODEL:JAQUAR(ESSCO)-AEC-1121** Round to PVC cleats with C.P. brass screws including cutting and making good the walls wherever required .	Each	104		
7.0	Supply, checking, storing & fixing C.P. brass angle valve for basin & Sink **MODEL:JAQUAR(ESSCO)-MQT-526KN**, of approved quality conforming to IS:8931 for a) 15mm Nominal Bore	Each	106		
8.0	Supply, checking, storing & fixing C.P. brass Long Body bib cock **MODEL:JAQUAR(ESSCO)-MQT-512KN** of approved quality conforming to IS:8931. a) 15mm Nominal Bore	Each	20		
9.0	Providing and Fixing Handicap Toilet set including EWC, Cistern, Seat Cover, Fittings, Washbasin,, Hinged Rail, Grab Bar and Faucet with Spatula Lever including Cast Iron chair backed and necessary bolts and nuts complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required as per technical specifications, provided drawings by architect,techincal specification and as directed by the authority EIC. including Toilet Set(Jaquar - CNSWHT-755S220SPPZ)+ Wash Basin(CNS-WHT-811) and Grab Bar(WAC-WHT-BG0800 & WAC-WHC-BR0600) as directed by EIC. (Make: Jaquar/Cera/Hindware)	Each	3		
10.0	Supply, checking, storing & fixing of **Heavy class S.S. Grating** Model No. **Chilly-CCT-SFC-127** or **Equivalent** with Mosquito /Cockroach proof S.S. strainer of approved design by Interiror including setting in floor with cement motor to match with floor finish as per architect requirement suitable for FD (Floor drain) and FT (Floor trap). **Note : Size of trap is vary as per final Product Selection. (Including Shaft floor Drain & Fire Escape Balcony)**	Each	110		
11.0	Installation testing and commissioning self contained pressure type **water cooler**s suitable for operation on 230 voltage - 10% single phase AC supply and generally confirming to the requirements of IS :1476/78 having following nominal cooling capacity at an ambient temperature of 30 deg.c and drinking water inlet temperature of 35 deg c and drinking water outlet temperature of 13.5 deg. complete with compressor over head protector, thermostat and steel tank. 40 Ltr. Cooling and 80 Ltr Storage.Cap.(Make:Voltas,Blue Star,Usha)	Each	1		
12.0	Supplying & erecting reverse osmosis (RO) water purification system with M.S. powder coated pedestal frame, prefilter housing carbon filter suitable buster DC pump, auto low & high pressure switches with following size of LPH capacity & erected as directed with one year comprehensive maintenance guarantee. [D] 100 LPH with 3 phase Raw water pump of 500LPH @ 2.5kg/cm2 - (1N0 - Kirloskar /CRI/Lubi), Dual media filter 10"x54" - (1 No), Micron cartridge filter 20" x 2.5" (1No), High pressure pump 500LPH @ 10kg/cm2 - (1No - Shimge /CRI /Lubi), RO Membrane housing with RO membrane of 40*40 - (1No), RO pressure tube 4" x 1E - (1No), 0 - 1200LPH Rotameter -(2 Nos), with Recovery Rate 50%.	Each	1		
	TOTAL SUB-HEAD: I :SANITARY :-				
B	**SUB-HEAD: II: SOIL WASTE AND VENT PIPE :-**				
13.0	Providing and fixing **PVC SWR** Pipe confirming to **IS 13592-92 TYPE B** and fitting as per IS 14735-99 for **SOIL & WASTE** water discharge, including all fittings with and with out inspection doors, including supports brackets as per supplier specification and distance, cutting, chases /holes in walls/floors/slab etc. **(Pipes to laid in Toilets)**(Make:Astral,Ashirvad,Suprime)				
13.1	75 mm	metre	55		
13.2	110 mm	metre	625		
	Pipes for soil , waste , Rain , Vent for Shaft /External Area				
13.3	150 mm	metre	150		
14.0	Providing and fixing **PVC Agri 6Kg/cm2** and fitting **for SOIL & WASTE water discharge,** including all fittings with and with out inspection doors, including supports brackets as per supplier specification and distance,cutting, chases/holes in walls/flors/slab etc. **(Pipes to laid in Toilets)**(Make:Astral,Ashirvad,Suprime) 50mm	metre	275		
15.0	Providing and fixing **PVC traps** of self cleansing design with water seal not less than 50mm with or without vent, including setting the trap in 1:2:4 cement concrete etc. complete. The trap shall be **`P' type as required.** Trap with 100 mm inlet and outlet 75mm/100mm dia.(Make:Astral,Ashirvad,Finolex)	Each	45		
16.0	Providing and fixing in position **Multi Floor Trap/Plain Floor Trap** self cleansing design moulded or fabricated with 50 mm water seal conforming to IS:14735-90 including setting the trap in 1:2:4 cement con'crete etc. (Make:Astral,Ashirvad,Finolex) 100mm Outlet	Each	75		
	TOTAL SUB-HEAD: II: SOIL WASTE AND VENT PIPE				
C	**SUB-HEAD: III: INTERNAL WATER SUPPLY :-**				
17.0	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. For Hot & Cold Water Lines (Domestic) (Inside Toilet)(Make:Astral,Ashirvad,Finolex)				
17.1	20 mm nominal outer dia Pipes (SDR 11)	metre	578		
17.2	25 mm nominal outer dia Pipes (SDR 11)	metre	210		
17.3	32 mm nominal outer dia Pipes (SDR 11)	metre	315		
17.4	40 mm nominal outer dia Pipes (SDR 11)	metre	485		
17.5	50 mm nominal outer dia Pipes (SDR 11)	metre	585		

18.0	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC high bonded solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.(The pipe length inserted in the fitting shall not be measured for payment) For Cold Water Lines (Inside Shaft & Terrace & Riser)(Make:Astral,Ahirvad,Finolex)				
18.1	65 mm nominal outer dia Pipes (SCH 40)	metre	120		
19.0	Providing, fixing, jointing and testing in position the following U-PVC pressure threaded Pipes as per ASTM D 1785 Schedule 80 and threaded conforming to IS:554. Cut to required lengths including all necessary fittings and specials such as bends, tees, unions, reducers, flanges and plugs etc. The pipes & fittings shall be tested to a pressure of 15 Kg/Sq.cm. Fixing at wall/ ceiling level supported by clamps, fastener, hangers etc. as per specification. Cutting hole in wall / floor slab and making good the same with cement concrete 1:2:4 complete as required. GI heavy class pipe sleeve of larger diameter shall be provided wherever the pipes crossing the walls/floor slab and sealing the sleeves as per consultants requirement. Threading, jointing & making proper connections. 50mm nominal outer dia Pipes (SCH 80)	metre	30		
19.1	65 mm nominal outer dia Pipes (SCH 80)	metre	120		
20.0	Providing, fixing and testing of heavy quality CPVC **BALL Valves** of 15 Kg / sqcm pressure with all necessary unions and nipple collars fixing on CPVC lines.(Make:Astral,Ahirvad,Finolex)				
20.1	32mm dia	Each	105		
20.2	50mm dia	Each	20		
21.0	Supplying, fixing, testing and commissioning of following valves, gauges and strainers for condenser water circulation as per specifications.(Make:Sant,Zoloto,leader) BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O - ring & PN 16 pressure rating as specified.				
21.1	65 mm dia.	Each	3		
22.0	Providing and fixing Y - STRAINER of Ductile CI Body flanged ends with stainless steel strainer for cold / hot water circulation including insulation as specified.(Make:Sant,Zoloto,leader) 65 mm dia.	Each	1		
D	**SUB-HEAD: IV: EXTERNAL WATER SUPPLY,DRAINAGE AND STORM WATER :-**				
23.0	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(C) 250mm (upto 10 ton)	metre	30		
24.0	Providing, laying, jointing and testing heavy quality DWC (Double wall Corrugated) under ground application pipes for Sewer and strom line with Snap-Fit Coupler with Rubber Ring / In-line Socket Molded Coupler / Socket-Spigot Arrangement fittings of SN8 class of approved make laid to required alignment and slope trenches inclusive of excavation in all soil types, bailing or pumping out water from trenches, shoring, whenever necessary testing, refilling, in layers, ramming & consolidation, removing away the surplus earth & spoils, dumping it on site or carting away to lead of 100 meters as directed incl.				
24.1	150 mm dia	metre	95		
24.2	200 mm dia	metre	30		
20	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes /UPVC /DWC Pipes including bed concrete as per standard design				
20.1	b)150 mm dia diameter	metre	95		
20.2	c) 200mm dia diameter	metre	30		
21	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps. (A) 100mm x 100mm size P type. (upto 10 ton)	Each	26		
22	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 800mm and 0.9M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer.	Each	7		
23	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (2) B type depth 1.50 Metre for 150mm diameter sewer.	Each	2		
24	(I) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No.24.27 (I) for depth from 0.9M to 1.5M.	Each	10		
25	(II) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. GR Part thereof over item No.24.27 (I) for depth from 1.50M. to 2.25M.	Each	8		
26	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line. (more than 10 ton)	Each	4		
27	**Rain Water Harvesting system :**				
	Construction of rain water harvesting size 2 m dia x 3.5m effective depth for the re-charging of storm water run off including the civil work with following specification [Construction of Chamber].				
	De-Silting Chamber:				

	Providing and constructing masonry de-silting chamber 1800mm x 1500mm with required depth inside with 75 class designated brick work in cement mortar 1:6 (1cement : 6 fine sand) with C.I double seal medium duty 560mm dia manhole cover (2Nos.). top slab 1:2:4 mix (1cement : 2coarse sand : 4 graded stone aggregate 20mm nominal size) with minimum 1.5% reinforcement, foundation concrete 1:5:10 (1cement : 5 fine sand:10 grade stone aggregate 20mm nominal size including baffle wall, necessary excavation, back filling and disposal of surface earth. Complete with inlet, outlet and overflow arrangement. Foot rest @400mm c/c, grating of required size with 16mm sq.bars and frame @20mm clear spacing fixed at month of pipe as per site conditions and direction of Engineer in charge				
	Drilling:				
	Drilling percolation borehole 200mm dia with reverse rotary method in all types of soil up to 50 m (approx.) depth including cost for mobilization of rig and making good the area upon completion of work. Contractor shall arrange for all necessary tools, water and consumable and laying for drilling.				
	Providing and laying pea gravel all around the casing pipe.				
	160 mm dia slotted UPVC pipe of 6 Kg/cm^2 - 35 m -40m or as per site sub-strata or set as per direction of Engineer- in charge				
	160 mm dia UPVC blind pipe of 6 Kg/cm2. - 35 m -40m or as per site sub-strata or set as per direction of Engineer- in charge				
	Rain Water Harvesting Well Filtration Chamber:				
	Providing and constructing rain water harvesting well/filtration chamber of size 2 m dia x 3.5 m eff. depth inside with 75 class designated brick work in cement motor 1:6 (1cement : 6 fine sand) with 560mm dia C.I double seal medium duty manhole cover with top slab 1:2:4 mix (1cement : 2 course sand :4 graded stone aggregate 20mm nominal size) with minimum 1.5% reinforcement , foundation concrete 1:5:10 (1cement : 5 fine sand and 10 graded stone) aggregate 20mm nominal size including 300mm duty. Boulder 10-20mm, 300mm duty, gravel 5-10mm size, 300mm depth coarse sand 1.5-2.0mm including necessary excavation, back filling and disposal of surface earth complete with inlet, outlet, overflow arrangement pvc coated Foot Rest, 100mm dia deep holes @500mm c/c to be provided 1200 c/c above the bottom of wall, 100mm C.I vent pipe -2m height with cowls.				
	Rate shall include excavation, back filling and all other operations necessary for completing the job.	Each	1		
35	Supply, installation, testing & commissioning of Submersible single stage single entry pumps connected to submersible motor (The motor shall be IE3 watertight according to IEC class IP 68, and incorporate class F, insulation materials to withstand a continuous operating temperature of 155 deg C) for 415 + 10% volts, 3 phase, 50 cycles A.C. power supply with mechanical seal, pump connector unit Or Auto Coupling with rubber diaphragm and bend, vertical discharge pipe,Panel mounted PLC integrated in a Panel/Inbuilt with pump motor with IP54 class, diodes to indicate pump ready, pump running and fault, both pumps at high level with cut off at dry level as determined. The pump shall be provided with a lifting devise of pull chain/guide rail & G.I. heavy class rising main of 5m length including interconnecting piping, valves (Ball Valve / Butterfly), Non return valves (GM/CI) 15 m cable etc.High level and low level sensor with motorized butterfly valve as per requirement complete in all respects. (Pumps shall be installed in a set of two pumps One working and One standby, with cascade operation). For supplying Domestic Water up to terrace Capacity per pump - 180 LPM Head - 35 mtr 1 Set = 2 Nos. Pump (1 Working + 1 Standby - cascade operation) Suction head - flooded positive suction Supply, Installation, testing & commissioning **(Make:Kriloskar,Lubi)**	Set	1		
39	Variable Speed Hydro-booster System for domestic water supply : Compact self contained Hydro-booster system comprising of following : In-line, vertical multistage, centrifugal clear water pumps with SS-316L /304 casing, S.S 3l6L impeller and SS-304/316 shaft, SS-316L/C.I. Base CED coating & head TEFC IE3/IE4 magnetic motor with mechanical seal with Company fitted with company compliance certificate. Vendor to submit performance curves and technical catalogue with all GA Drawing of the proposed model for review and information.Panel mounted PLC and HMI Based multi pump controller with large graphical display with VGA 240 x 320 pixels and variable frequency drive (VFD) integrated in a Panel/Inbuilt with pump motor with IP54 class with pressure sensor transmitter (each pump each VFD), diodes to indicate pump ready, pump running and fault and capable to communicate with other controllers following MODBUS-RTU or BACNET Class-2 protocol through RS485 port. All alarms should be displayed in the controller. System should be equipped with dry running protection by both, reputed make Float (NO/NC) having 20 Mtrs Submersible Cable installed in the Tank & 0-10V DC Device installed on Suction Header. Indication of all type of faults / on-off status / electrical parameters shall be available on panel and central IBMS monitors. On-off operation for all pumps shall be available on BMS system.Global / Equivalent Make Pre-charged diaphragm pressure vessel with 3 years warranty from manufacturing date and company tested replaceable membrane, charging connection, connected to outlet header with necessary flanges, gaskets, isolating valves, nuts/bolts etc. complete (size of pressure vessel shall be following capacity or as per manufacturer recommendation). Vessel Shall be pre-charged with Nitrogen as per respective Pump Head. Each Vessel shall be installed with 2 1/2" SS 304 Glycerine Filled Manometer on Top.Set of accessories such as SS 304 / MS with CED Coated headers for suction and discharge, control valves, non return valves, pressure transducers, pressure gauge, inter connecting power and control cabling etc. complete. Domestic Water Booster Pump Flow:120 LPM Head:35m 1 Set = 2 Nos. Pump (1 Working + 1 Standby - cascade operation) Suction head - flooded positive suction	Set	1		
39	Supply, Installation, Testing and Commissioning of Electrically Operated (Output 6.5 kw) Heat Pump have R410a refrigerant ,maximum working pressure 4.4 mpa and minimum working pressure 3.1 mpa ,Scrool type compressors, Hot water inlet/outlet temp: 50/55 °C at Ambient temperature : 15°C,With 2000ltr storage tank circulation pump betwwen tank and heat pump,interconneting pipes and accessories. (1w +1s)	Set	1		
40	In-line, vertical multistage, centrifugal clear water pumps, speed up to 2900 rpm, with SS-316L casing, SS316L impeller and SS-304/SS316L shaft, SS/C.I. Base CED coating & head, connected to a IEC TS 60034-30-2:2016 Standard Motor Class efficiency IE3 with mechanical seal with suitable for 400 / 440 volts, 3 phase 50 cycles A.C. supply with 150 mm dia pressure gauge with gunmetal isolation valve, vibration eliminating pads as required, M.S fabricated base plate bolted to cement concrete foundations complete. Company fitted with company compliance certificate. Vendor to submit performance curves and technical catalogue with all GA Drawing of the proposed model for review and information.Electrical Starter panels complete with O/L Relay with Single phasing preventer feature, earth leakage relay, ON-OFF and Trip Indicating lamps, contactors Potential free contacts for Building Automation System, interlocking, level controller with operational mode as one pump working at low level, both pumps at high level with a hooter alarm and cut off at dry level, cascade operation, working / standby selection, etc. suitable for the motor H.P. as specified below. System should be equipped with dry running protection by both, reputed make Float (NO/NC) having 20 Mtrs Submersible Cable installed in the Tank & 0-10V DC Device installed on Suction Header. Indication of all type of faults / on-off status / electrical parameters shall be available on panel and central IBMS monitors.Set of accessories such as SS 304 headers / MS CED Coated for suction and discharge, control valves, non return valves, pressure transducers, pressure gauge, inter connecting power and control cabling etc. complete. Hot Water Circulating Pump Flow-120 lpm head-35m	Set	6		

35	Supply, installation, testing & commissioning of Submersible single stage single entry pumps connected to submersible motor (The motor shall be IE3 watertight according to IEC class IP 68, and incorporate class F, insulation materials to withstand a continuous operating temperature of 155 deg C) for 415 + 10% volts, 3 phase, 50 cycles A.C. power supply with mechanical seal, pump connector unit Or Auto Coupling with rubber diaphragm and bend, vertical discharge pipe,Panel mounted PLC integrated in a Panel/Inbuilt with pump motor with IP54 class, diodes to indicate pump ready, pump running and fault, both pumps at high level with cut off at dry level as determined. The pump shall be provided with a lifting devise of pull chain/guide rail & G.I. heavy class rising main of 5m length including interconnecting piping, valves (Ball Valve / Butterfly), Non return valves (GM/CI) 15 m cable etc.High level and low level sensor with motorized butterfly valve as per requirement complete in all respects. (Pumps shall be installed in a set of two pumps One working and One standby, with cascade operation). For supplying water to garden Capacity per pump - 100 LPM Head - 20 mtr 1 Set = 2 Nos. Pump (1 Working + 1 Standby - cascade operation) Suction head - flooded positive suction Supply, Installation, testing & commissioning **(Make:Kriloskar,Lubi)**	Set	1		
36	STP : Design,Supply, Installation, Testing & commissioning of 25 KLD with MBBR Technology capable to treat human soil-waste water to potable water . (STP vendor Make: W18 tech,Aqua Drop) (Pump make : wilo & Grundfos) Following shall be the Parameters for design of Treatment Plant. PH - 6.5-8.5 BOD - Less Then 10 mg/l Suspended Solids - Less then 10 mg/l COD - Less then 30 mg/l Oil & Grease - Less then 2 mg/l Total Nitrogen - Less then 10 mg/l Phosphate - Less then 2 mg/l Notes:pumps with SS-316L casing, S.S 3l6L impeller and SS-304 shaft, SS-316L/C.I. Base CED coating & head TEFC IE4/IE5 magnetic motor (IE5 is preferable motor for Suitable duties, if duties is not available in IE5 motor then you can quote pump with IE4 motor). Contractor to submit performance curves and technical catalogue with all GA Drawing of the proposed model and take a approval from architect/Consultant.	Set	1		
	TOTAL SUB-HEAD: IV: EXTERNAL WATER SUPPLY,DRAINAGE AND STORM WATER				-
				GRAND TOTAL WITH GST	-
				GRAND TOTAL WITHOUT GST	-

	GRAND TOTAL WITH GST	-
	GRAND TOTAL WITHOUT GST	-

EDI Hostel List of Drawings_For tender

A	Architecture drawings	No.
1	Site plan	1
2	Room types	1
3	Working plans (Ground floor, Typical floors & Terrace floor)	4
4	Sections	3
5	Elevations	2
6	Flooring Plans (Ground floor, Typical floors & Terrace floor)	4
7	Toilet Details	8
8	DW Details	4
	Total Drawings	**27**

B	Structural drawings	No.
1	Details of foundation	2
2	Column schedule	1
3	Structural layouts (G+5, Terrace floor)	7
	Total Drawings	**10**

C	MEPFs drawings	No.
1	Electrical drawings (Site, G+5)	3
2	Plumbing drawings (Site, G+5, Terrace floor)	4
3	Fire fighting layouts (Site, G+5, Terrace floor)	4
	Total Drawings	**11**

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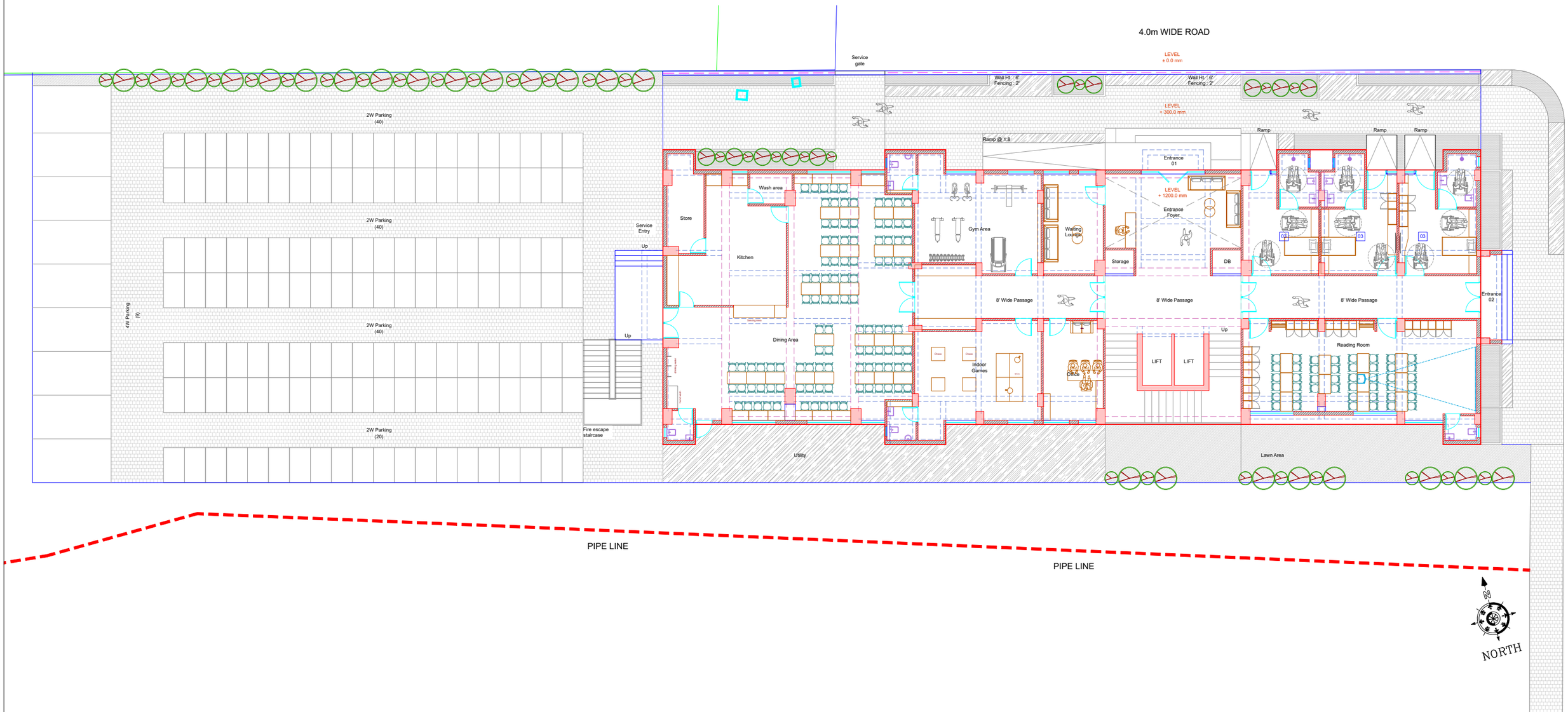

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**SITE PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.

ph: 079 26651217

e-mail: info@collaborativedesign.in

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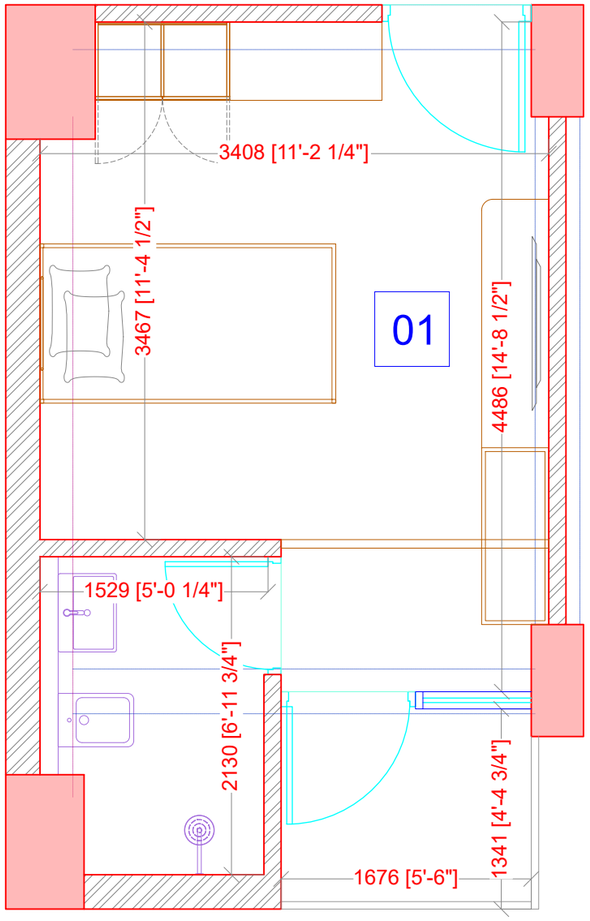
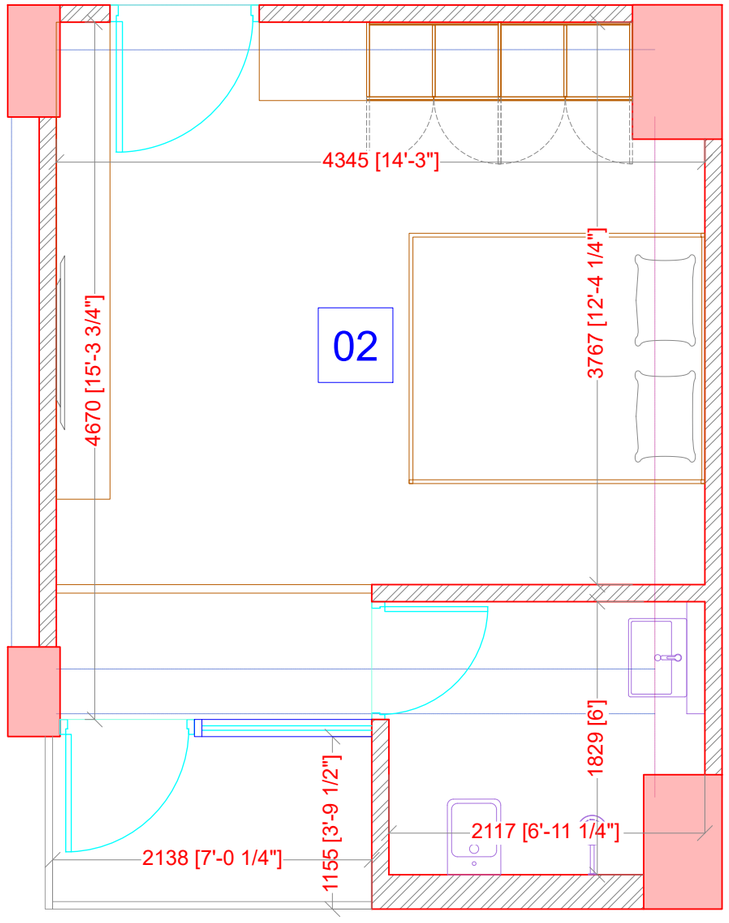
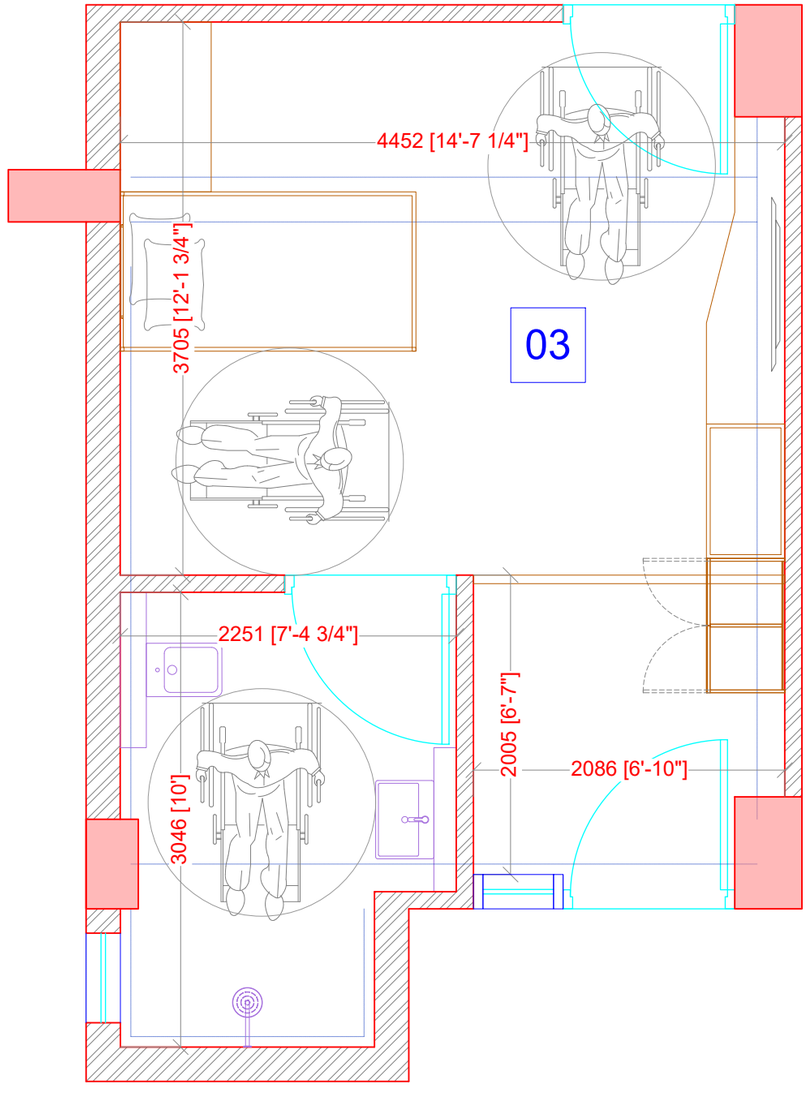
Room Type-01
19.7 sq.mt
212 sq.ft



Room Type-02
24.8 sq.mt
267 sq.ft



Room Type-03
27 sq.mt
290 sq.ft



GENERAL NOTES :

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7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**ROOM PLANS**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
ph: 079 26651217
e-mail: info@collaborativedesign.in

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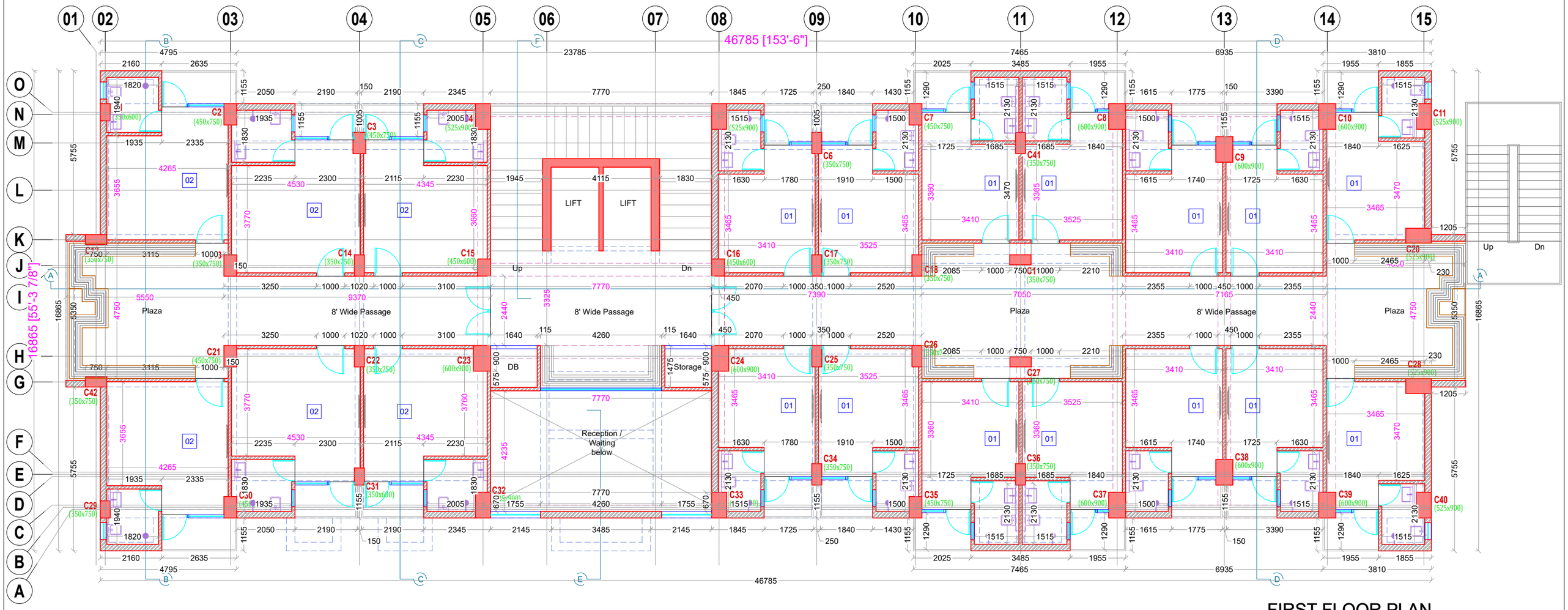

FIRST FLOOR PLAN

GENERAL NOTES :

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**FIRST FLOOR PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI - PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.

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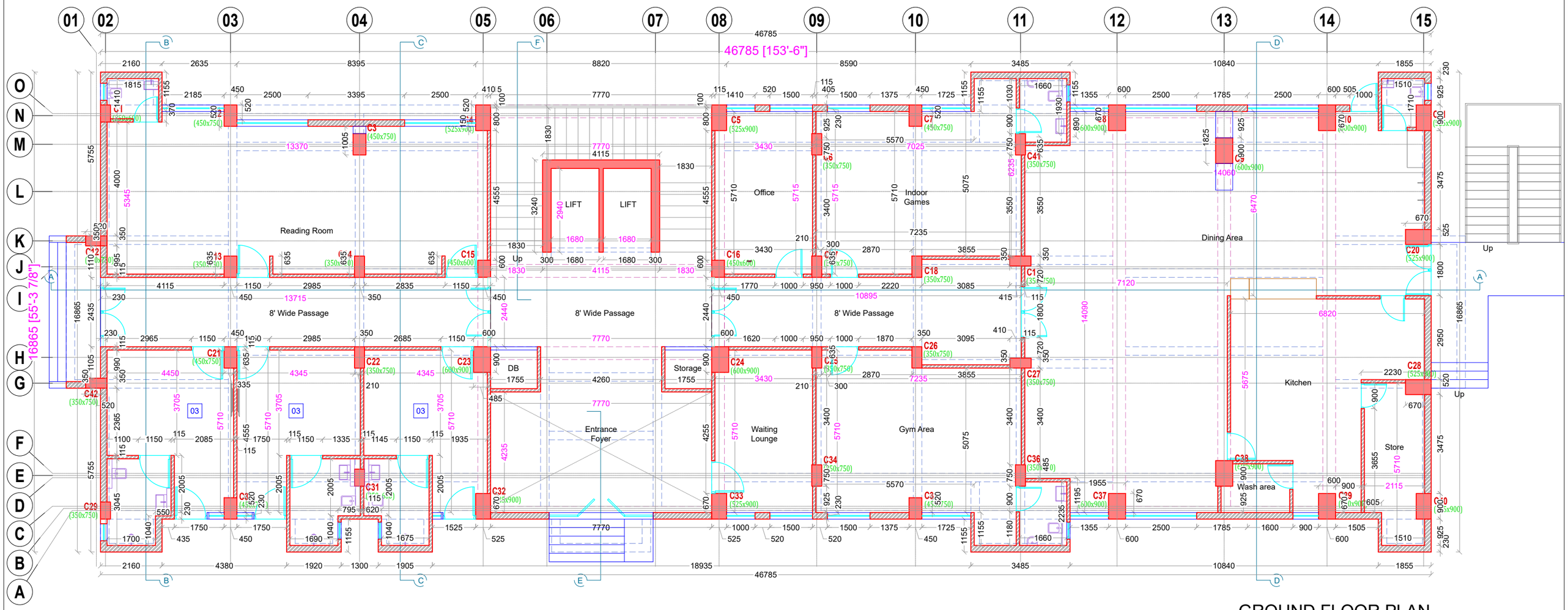

GROUND FLOOR PLAN

GENERAL NOTES :

1. All Dimensions are in mili-meter..
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :
COLLABORATIVE DESIGN
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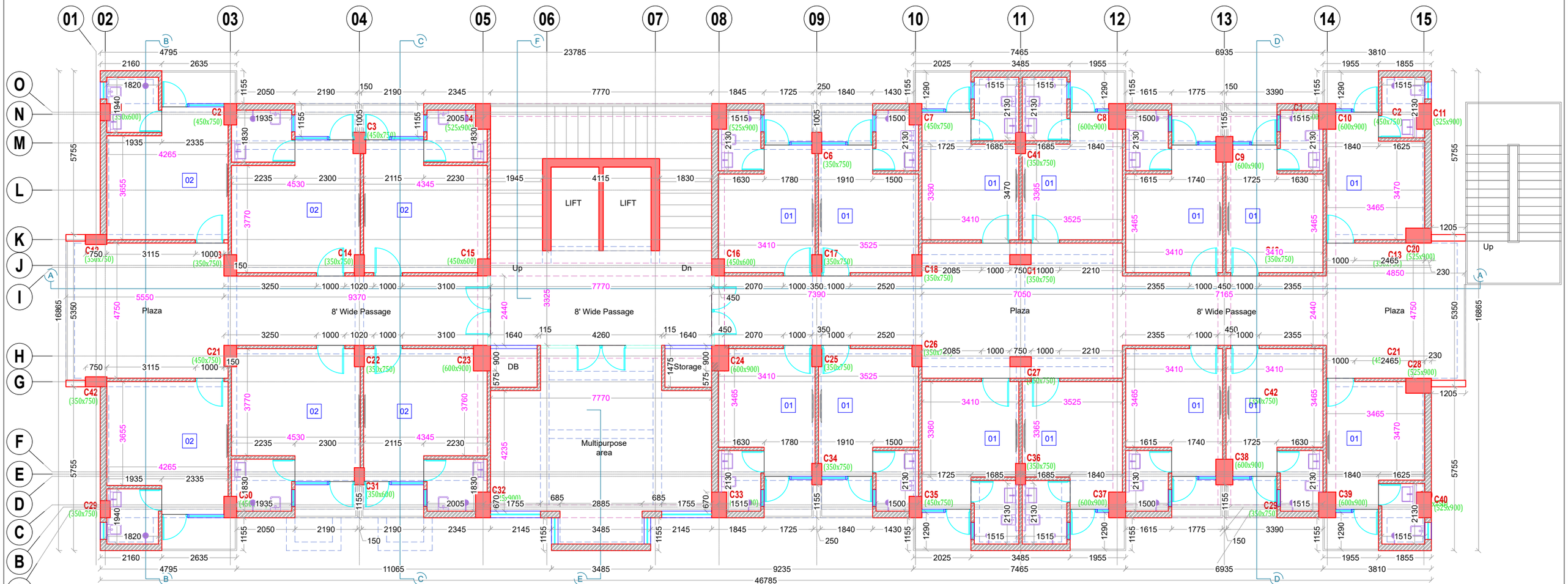

2nd-5th FLOOR PLAN

GENERAL NOTES :

1. All Dimensions are in mili-meter..
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3. Drawing to be read only not to be measured.
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**2nd-5th FLOOR PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI - PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

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ph: 079 26651217

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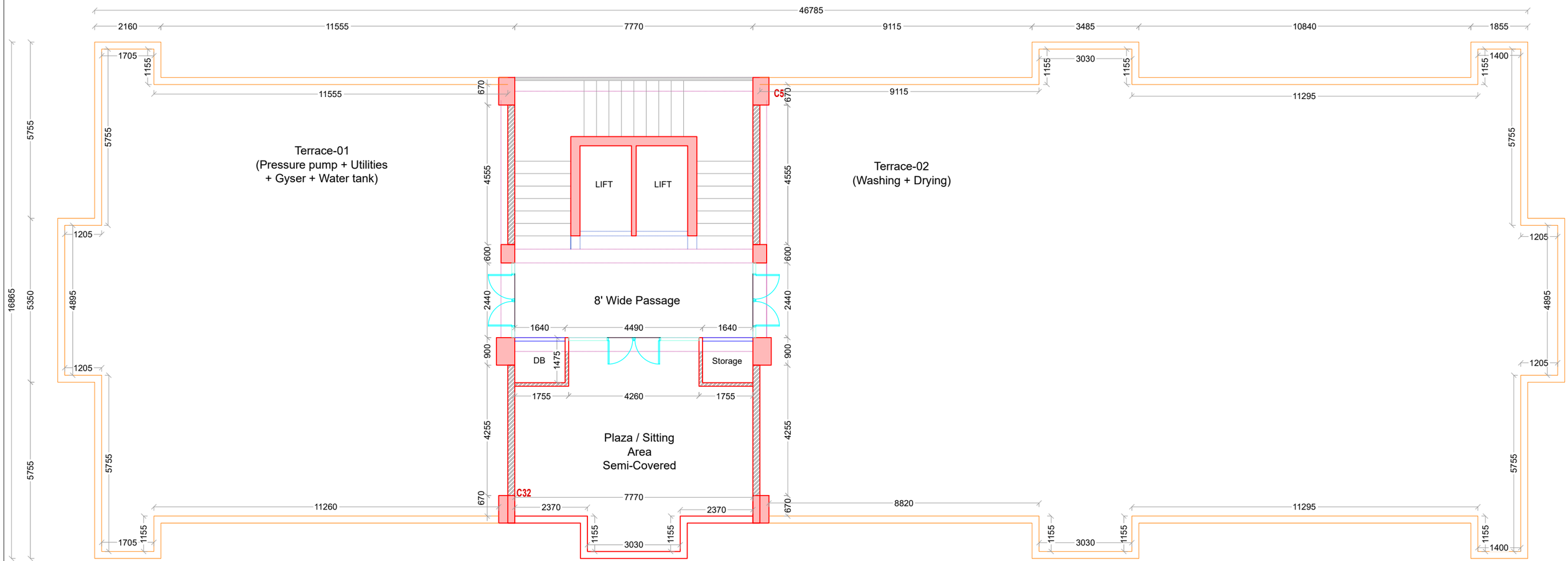

TERRACE FLOOR PLAN

GENERAL NOTES :

1. All Dimensions are in mili-meter..
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TERRACE FLOOR PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJI BHAI - PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

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N

SECTION-AA

GENERAL NOTES :

1. All Dimensions are in mili-meter..
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**SECTIONS- A**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJI BHAI - PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

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e-mail: info@collaborativedesign.in

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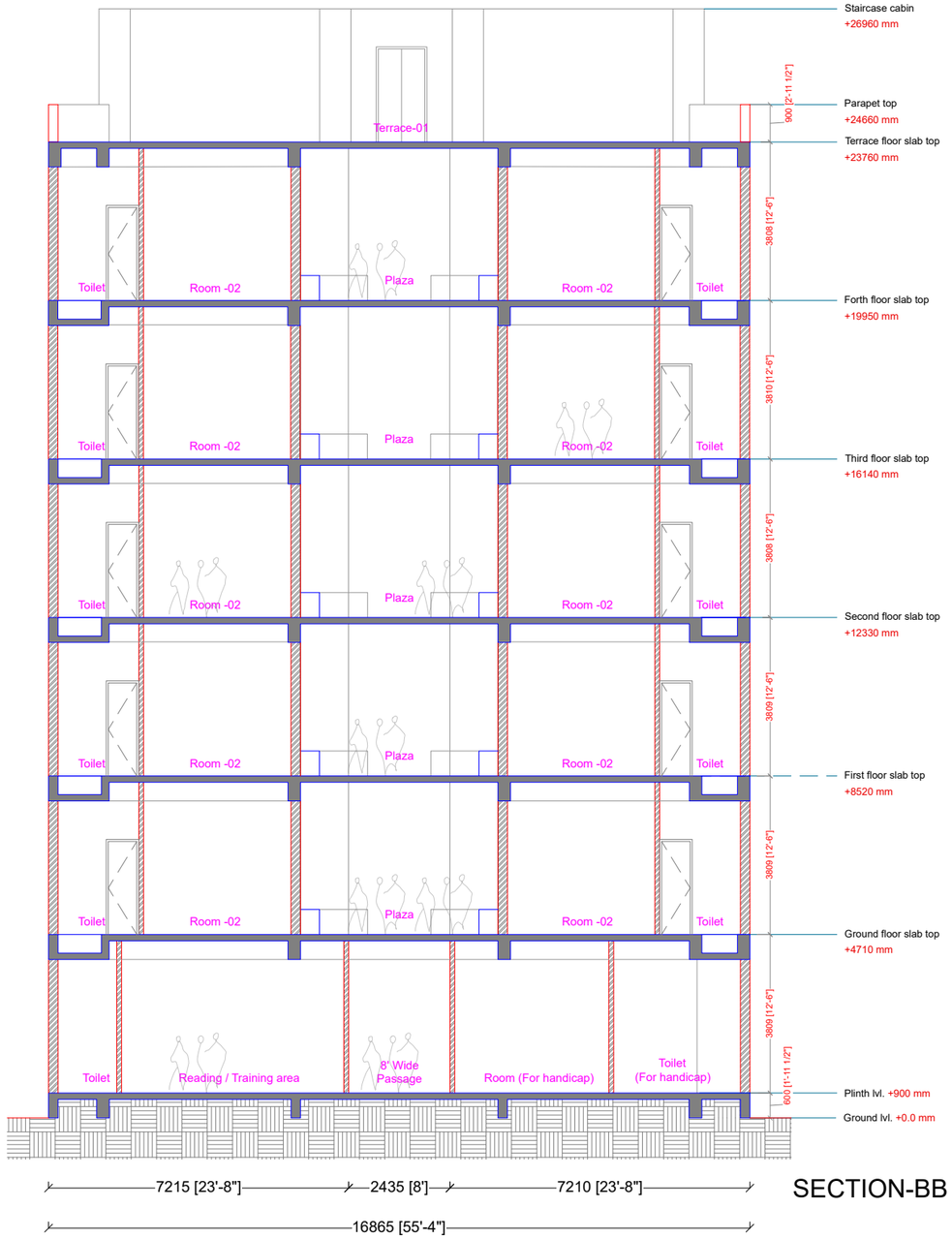
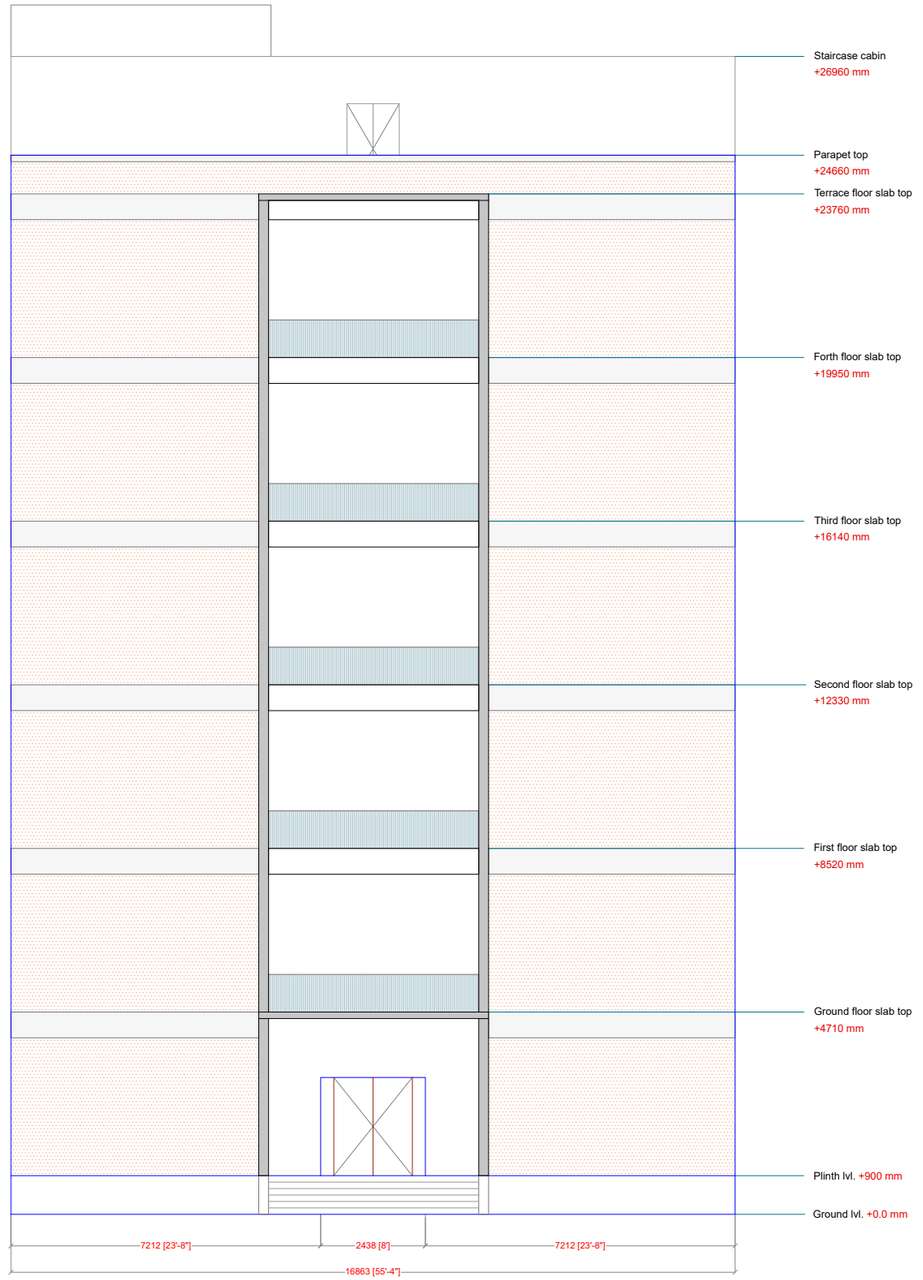


SECTION-BB



SIDE ELEVATION

GENERAL NOTES :

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3. Drawing to be read only not to be measured.
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**SECTION B & SIDE ELEVATION**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJI BHAI - PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN
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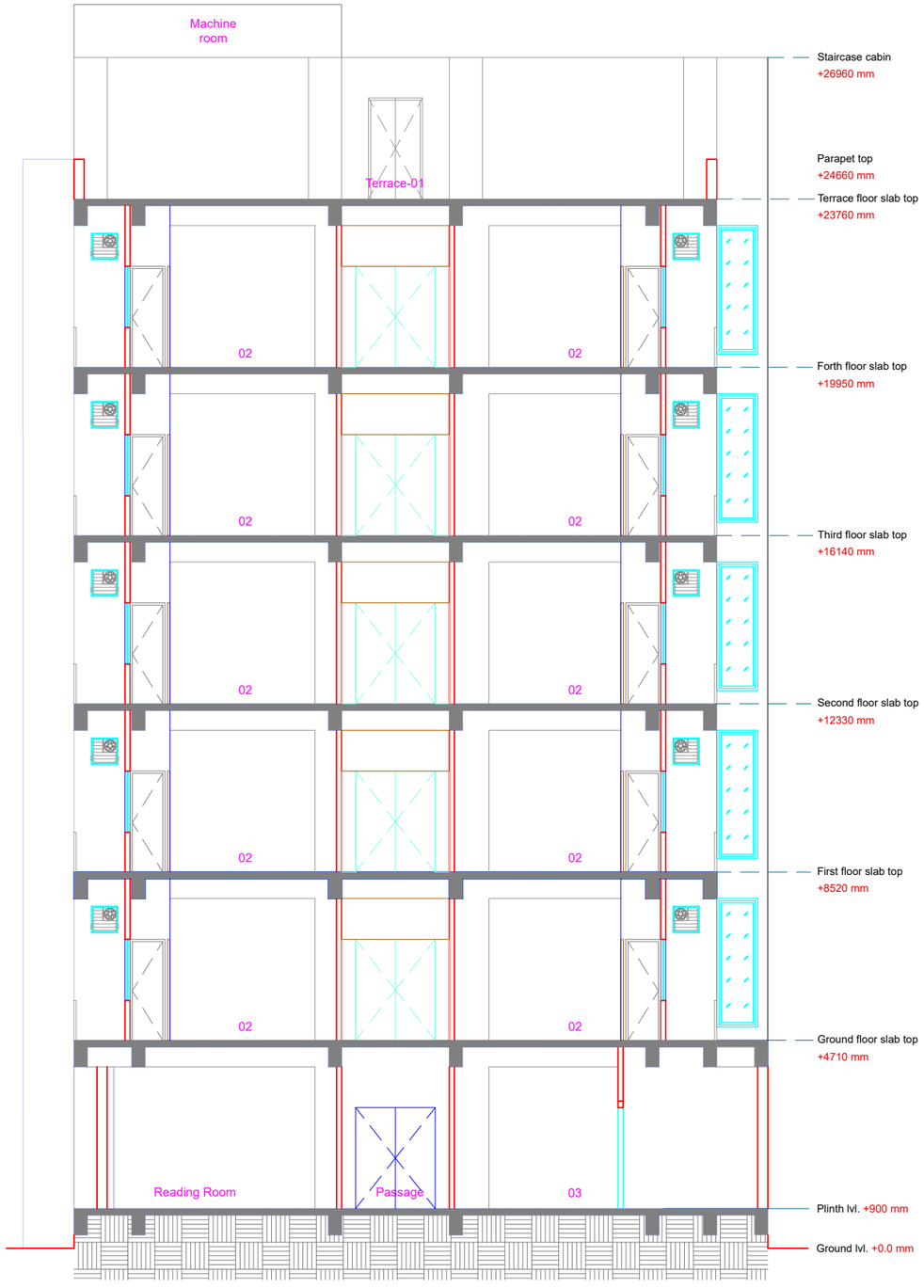
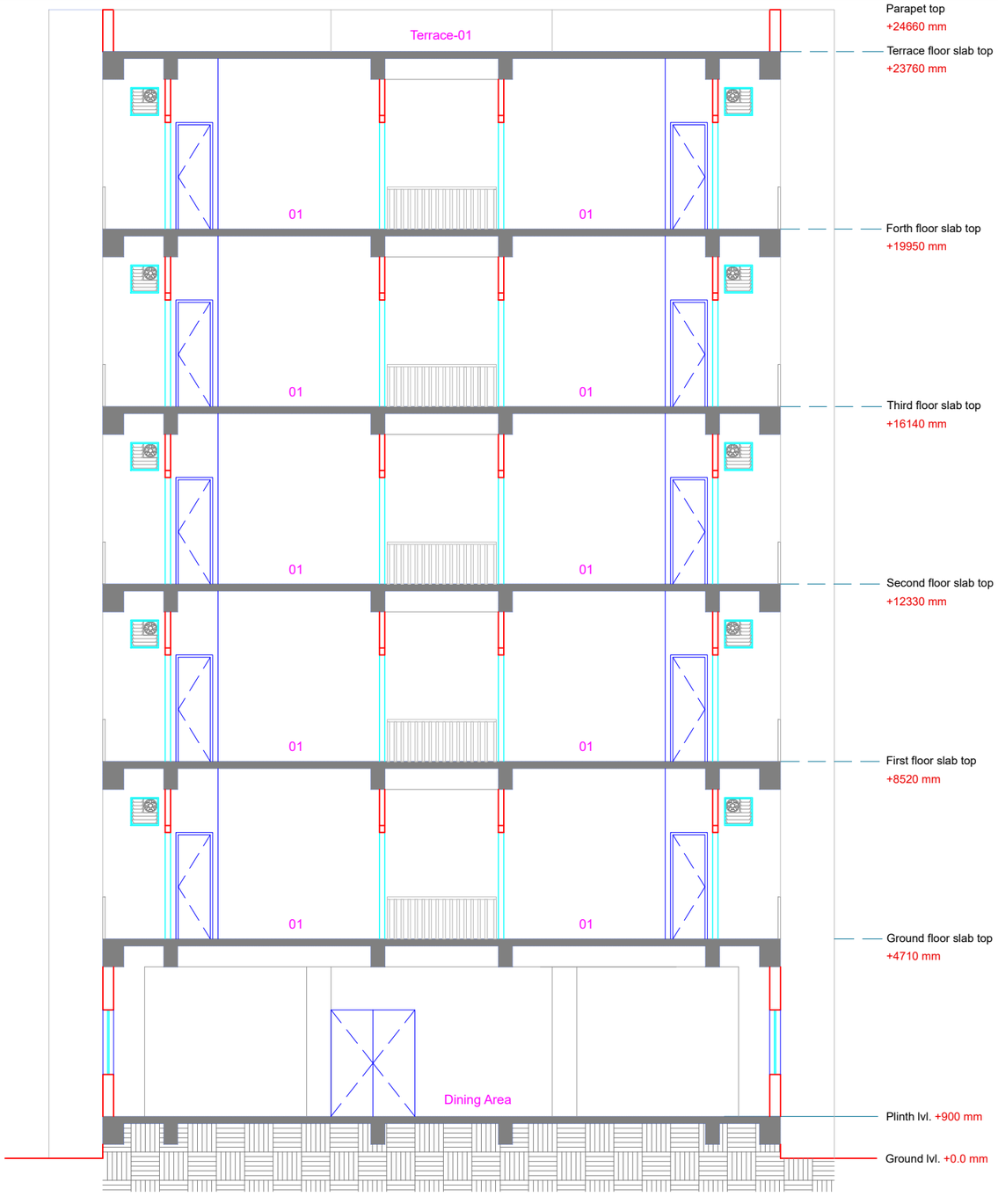


SECTION-CC



SECTION-DD

GENERAL NOTES :

1. All Dimensions are in mili-meter..
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**SECTIONS- C & D**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJI BHAI - PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.

ph: 079 26651217

e-mail: info@collaborativedesign.in

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BACK SIDE ELEVATION

GENERAL NOTES :

1. All Dimensions are in mili-meter..
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**BACKSIDE ELEVATION**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJI BHAI - PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

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FRONT ELEVATION

GENERAL NOTES :

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_ EDI BHAT**
DWG NAME	**FRONT ELEVATION**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJI BHAI - PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

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ph: 079 26651217
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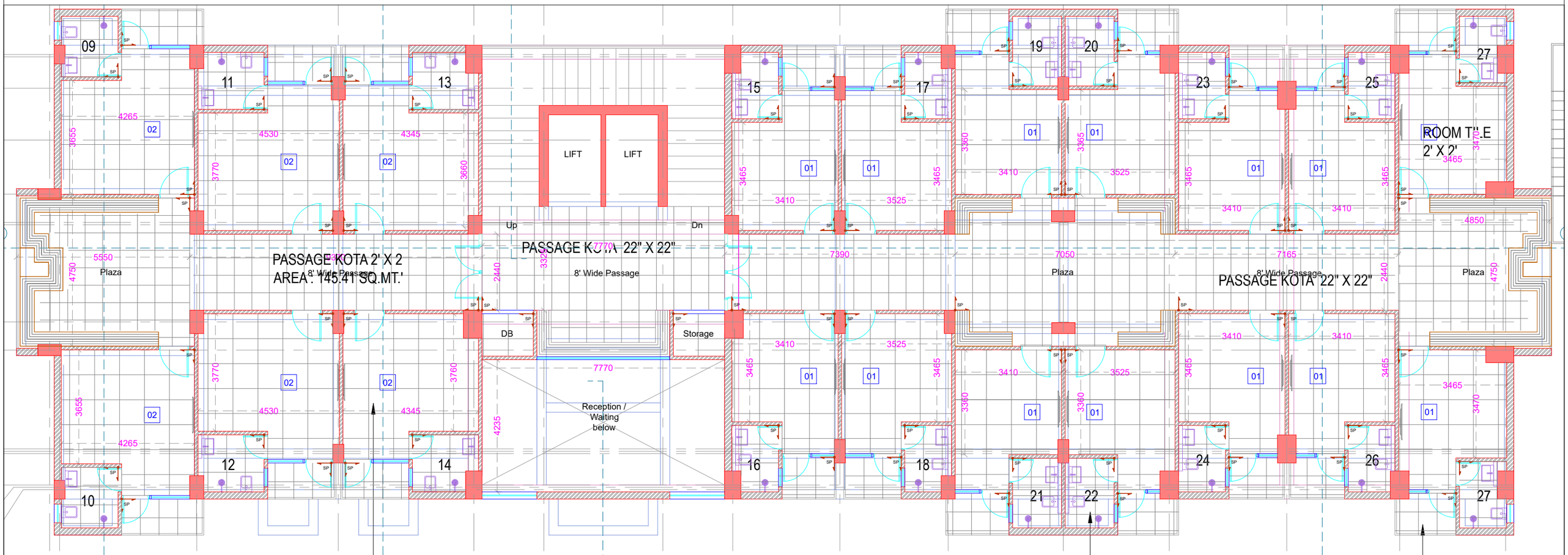

ROOM FLOORING TILE 2'-7.5" X 2'-7.5"
AREA 302.92 SQ.MT.

TOILET FLOORING TILE 2' X 2'
AREA 66.07 SQ.MT.

BALCONY FLOORING TILE 2' X 2'
AREA : 49.81 SQ. MT.

FIRST FLOOR PLAN

NOTE:

ROOM FLOORING	800X800 MM	302.92	SQ.MT.
BALCONY FLOORING:	800X800 MM	49.81	SQ.MT.
TOILET FLOORING TILE:	600X600 MM	66.07	SQ.MT.
PASSAGE FLOORING TILE:	22"X22"	145.41	SQ.MT.

GENERAL NOTES :

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**FIRST FLOOR FLOORING PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar,
ahmedabad-380006.
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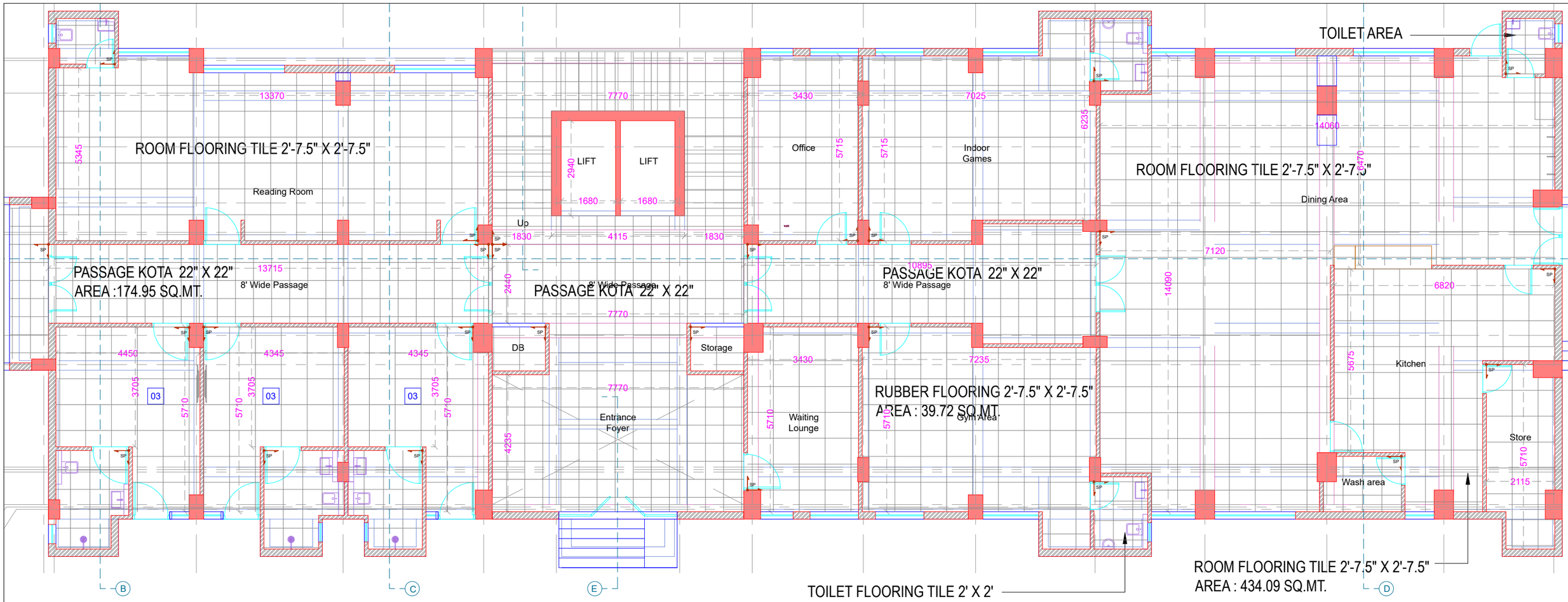

NOTE:

GROUND FLOOR PLAN

ROOM FLOORING	800X800 MM	434.09 SQ.MT.
TOILET FLOORING TILE:	600X600 MM	35.16 SQ.MT.
PASSAGE FLOORING TILE:	22"X22"	174.95 SQ.MT.
GYM FLOORING TILE:	800X800 MM	39.72 SQ,MT.

GENERAL NOTES :

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13.01.2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR FLOORING PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

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ph: 079 26651217

e-mail: info@collaborativedesign.in

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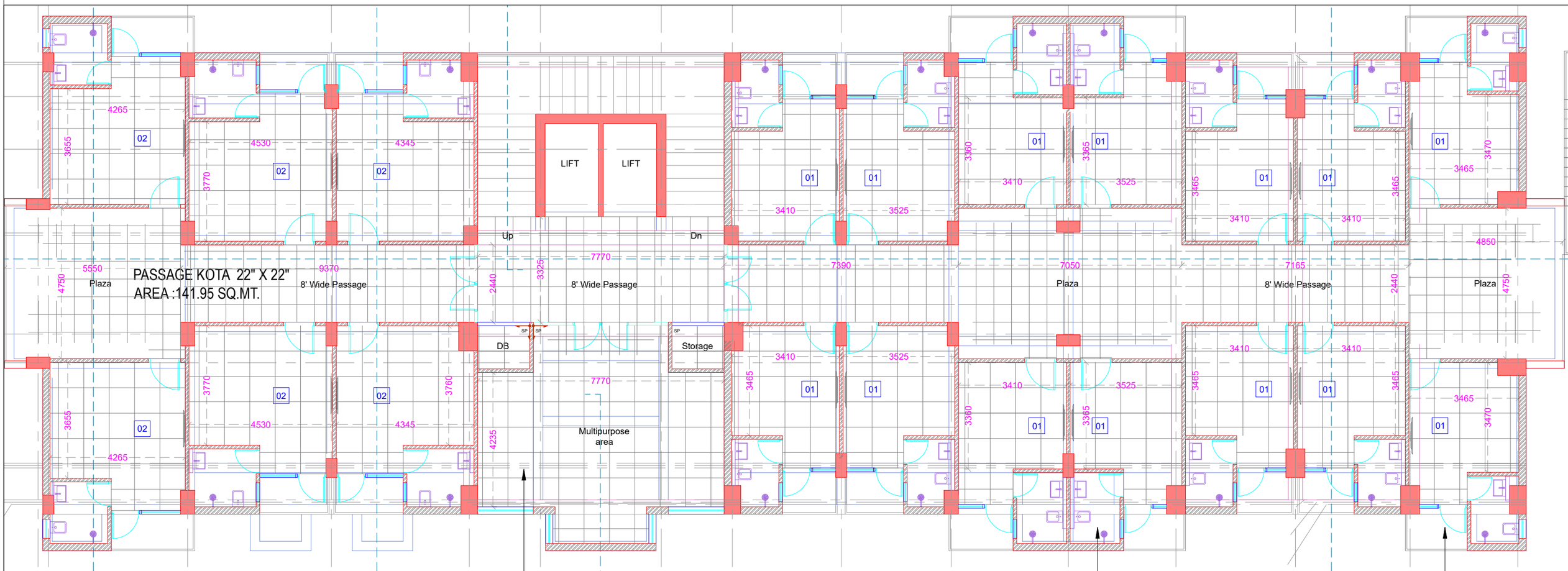

ROOM FLOORING TILE 2'-7.5" X 2'-7.5"
AREA : 345.64 SQ.MT.

TOILET FLOORING TILE 2' X 2'
AREA : 66.07 SQ. MT.

BALCONY FLOORING TILE 2' X 2'
AREA : 49.81 SQ. MT.

2nd-5th FLOOR PLAN

NOTE:

ROOM FLOORING	800X800 MM	302.92	SQ.MT.
BALCONY FLOORING:	800X800 MM	49.81	SQ.MT.
TOILET FLOORING TILE:	600X600 MM	66.07	SQ.MT.
PASSAGE FLOORING TILE:	22"X22"	145.41	SQ.MT.

GENERAL NOTES :

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TYPICAL FLOOR FLOORING PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
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e-mail: info@collaborativedesign.in

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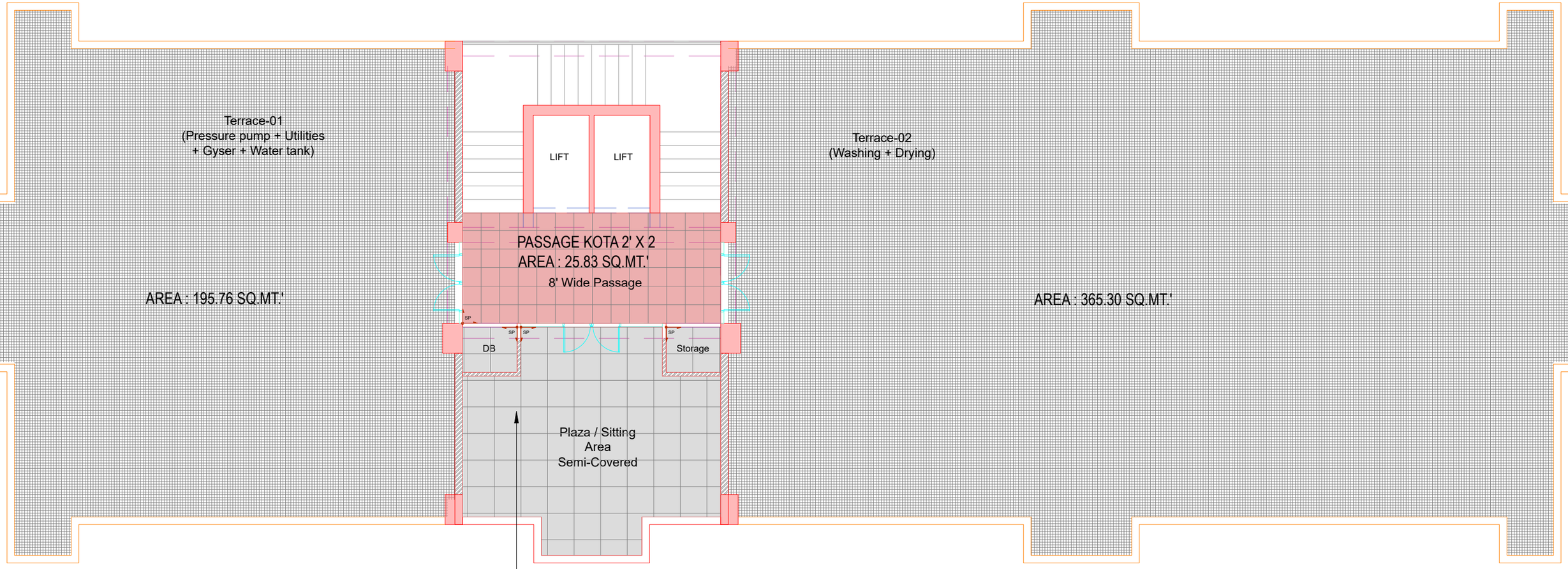

TERRACE FLOOR PLAN

NOTE:

ROOM FLOORING 800X800 MM	47.18	SQ.MT.
PASSAGE FLOORING TILE: 22"X22"	25.83	SQ.MT.
TERRACE-01 FLOORING TILE:	195.76	SQ.MT.
TERRACE-01 FLOORING TILE:	365.30	SQ.MT.

GENERAL NOTES :

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2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TERRACE FLOORING**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN
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ahmedabad-380006.
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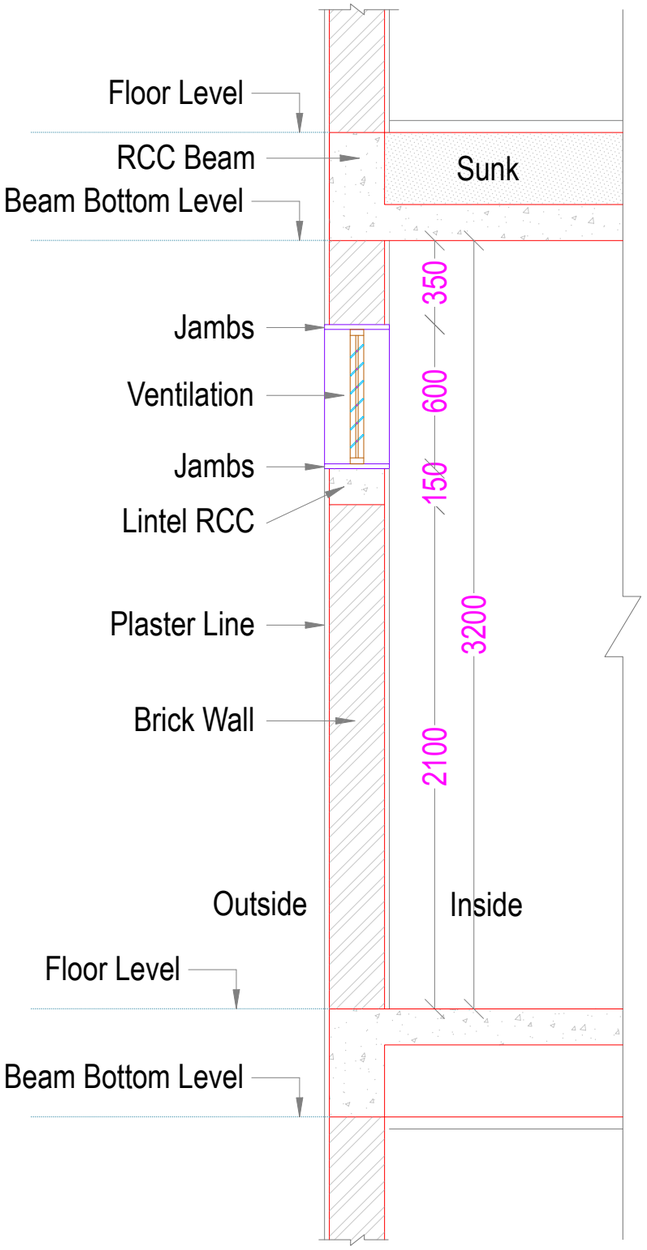
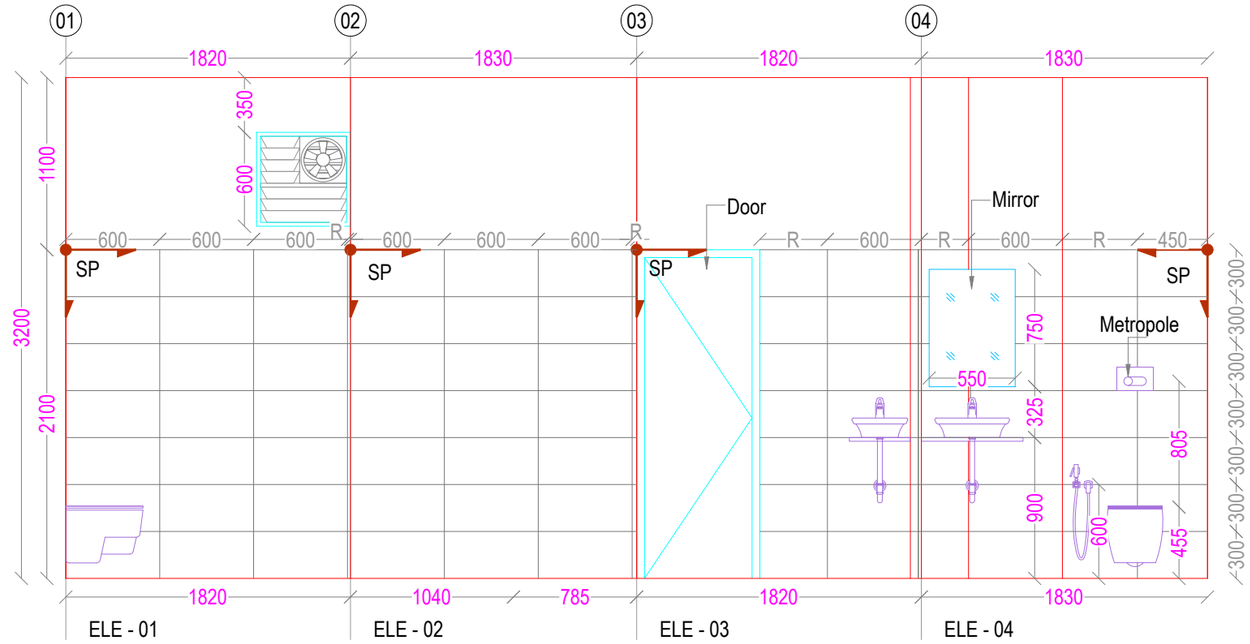
e-mail: info@collaborativedesign.in

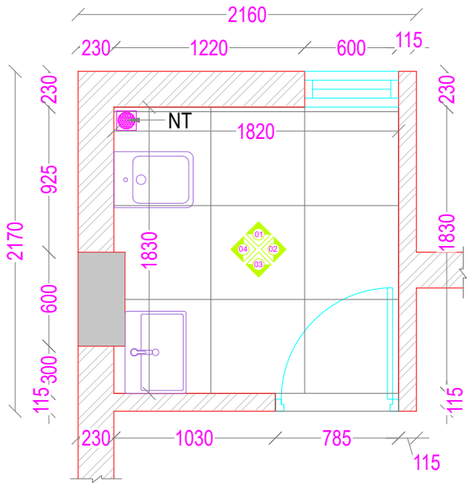
collaborative_design



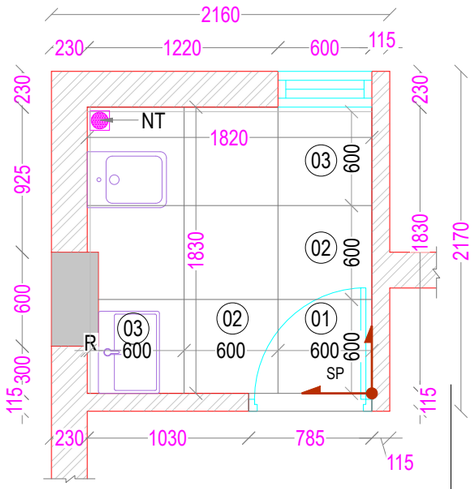
TYPICAL TOILET VENT SECTION



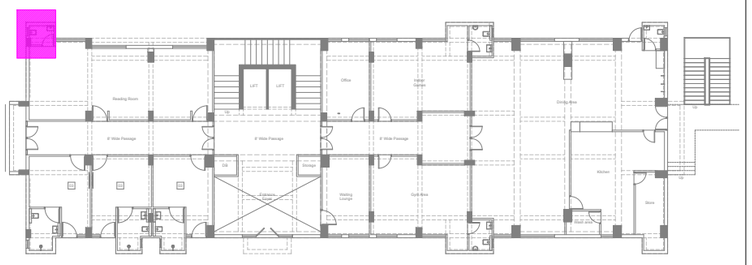
GROUND FLOOR TOILET NO. 01 INNER ELEVATION



GROUND FLOOR TOILET NO. 01 PLAN



GROUND FLOOR TOILET NO. 01 FLOORING TILE PLAN



GROUND FLOOR PLAN

GENERAL NOTES :

1. All Dimensions are in mill-meter..
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3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR TOILET DETAILS**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**23-11-2024**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
ph: 079 26651217
e-mail: info@collaborativedesign.in

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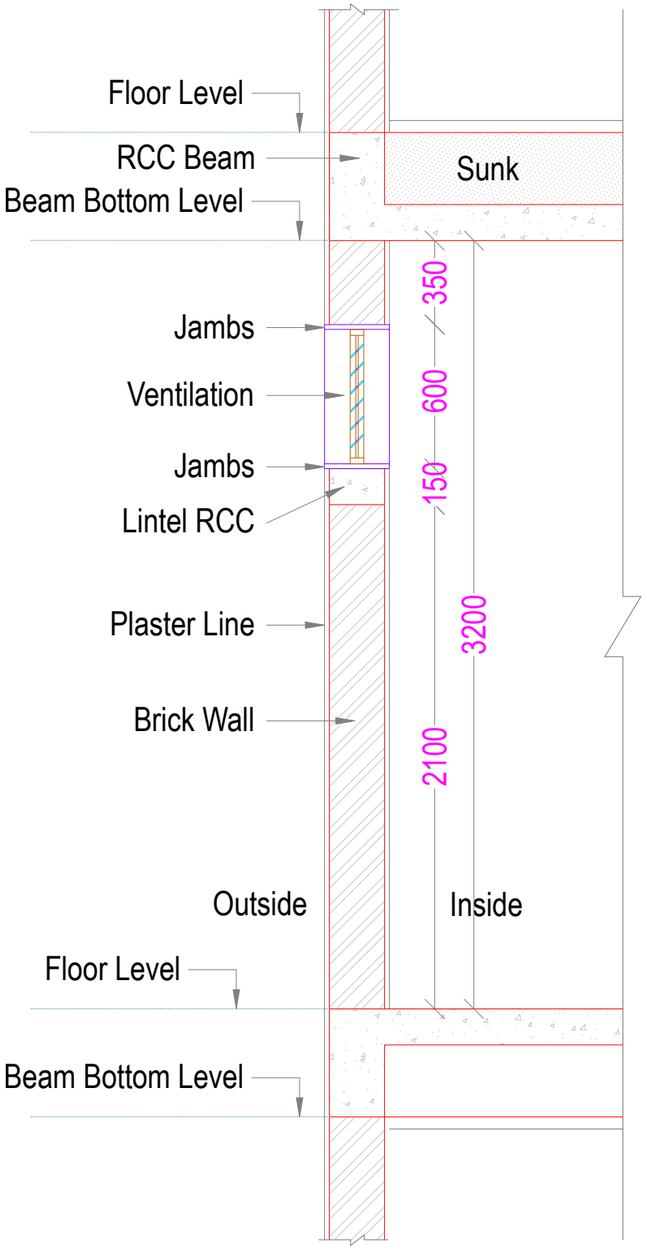
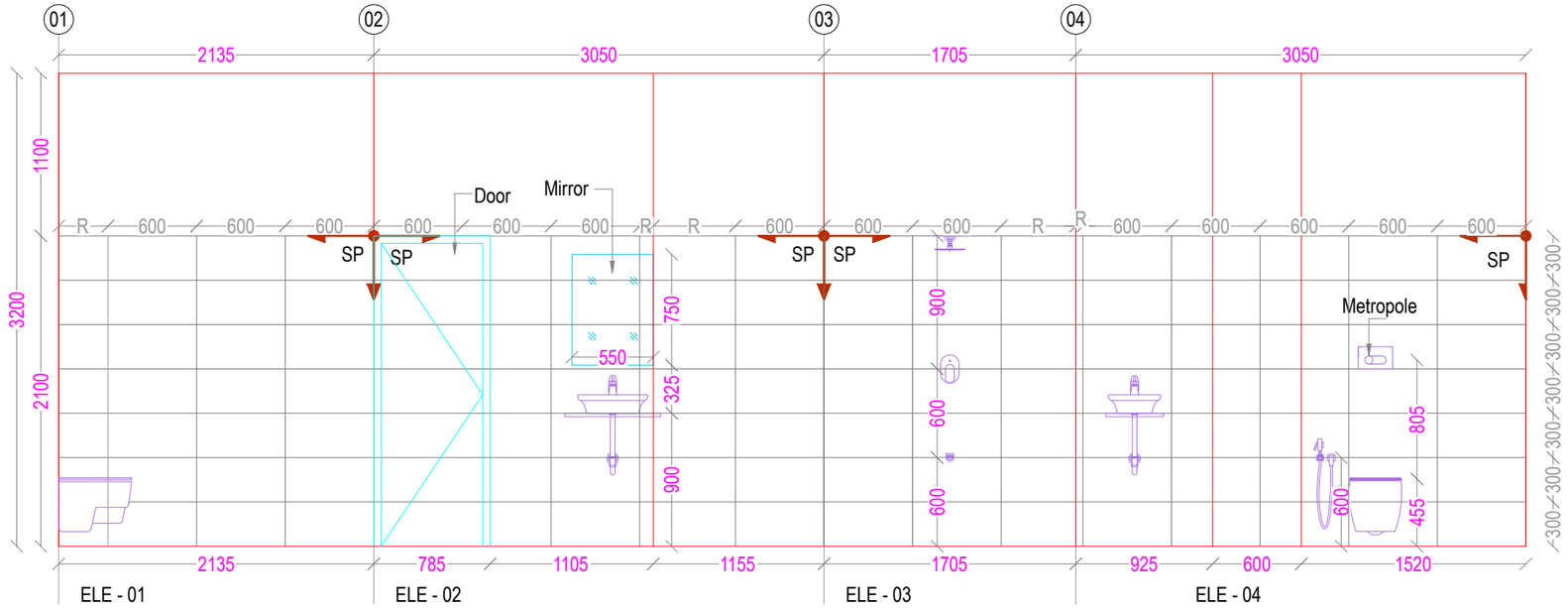
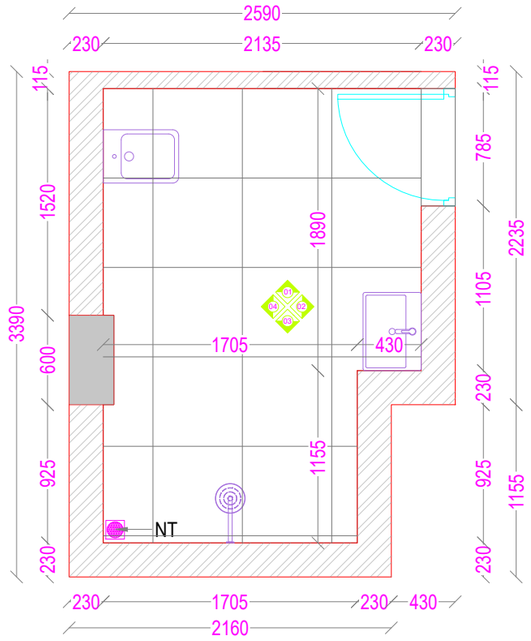


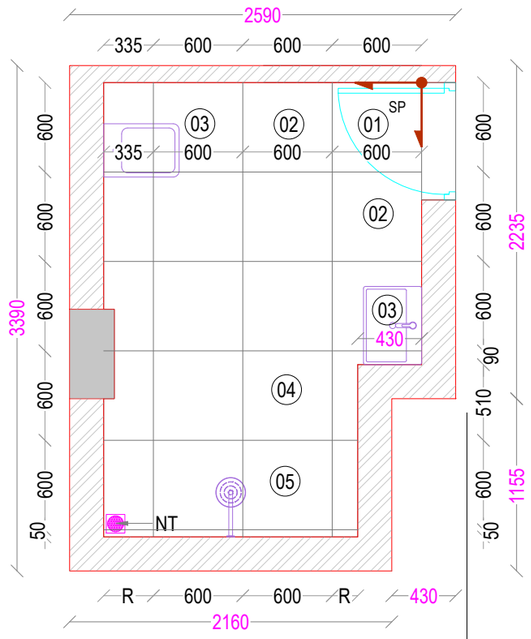
TYPICAL TOILET VENT SECTION



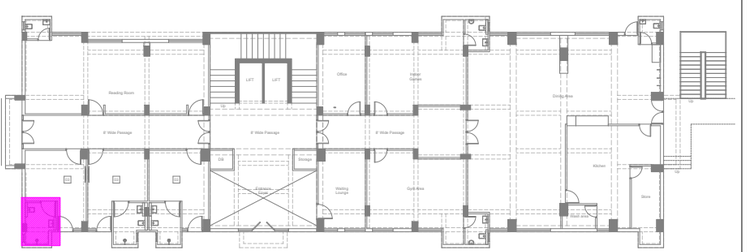
GROUND FLOOR TOILET NO. 02 INNER ELEVATION



GROUND FLOOR TOILET NO. 02 PLAN



GROUND FLOOR TOILET FLOORING TILE NO. 02 PLAN



GROUND FLOOR PLAN

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR TOILET DETAILS**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

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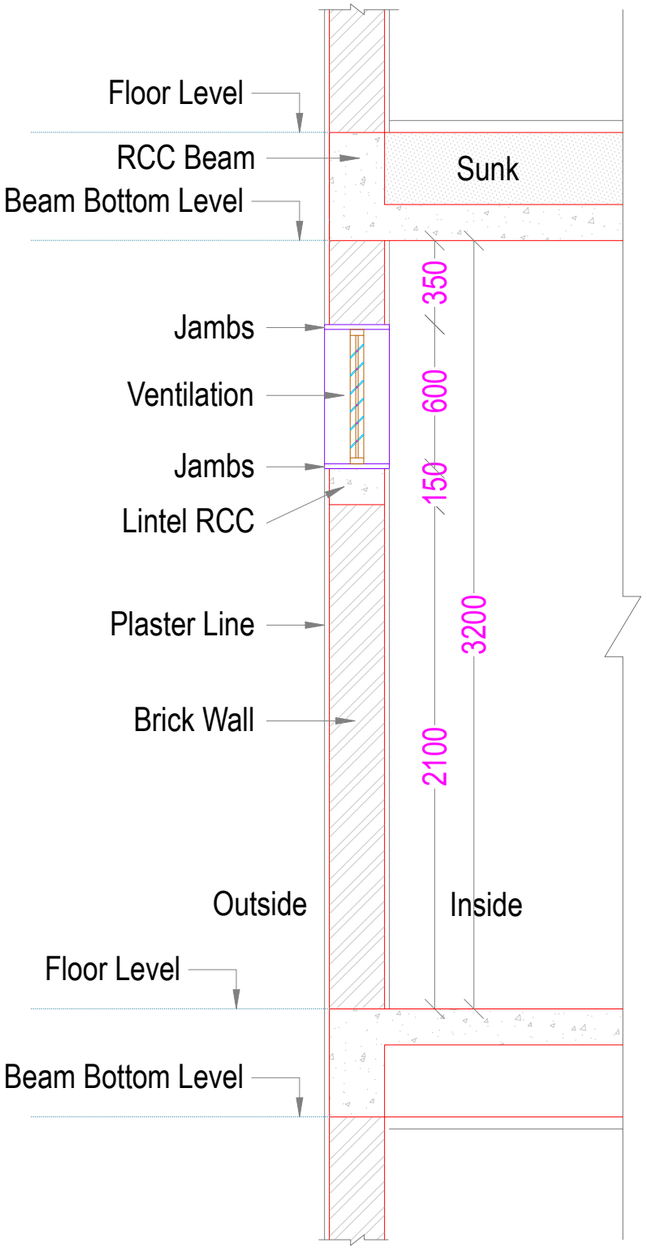
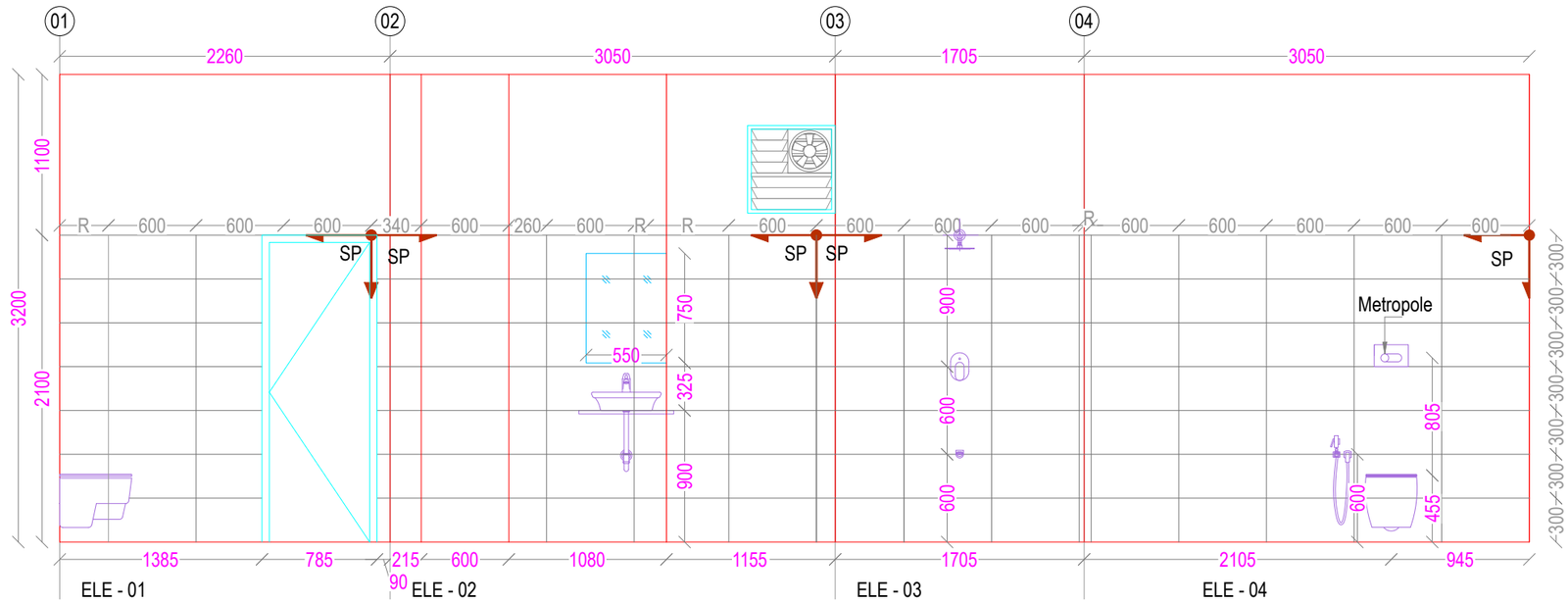
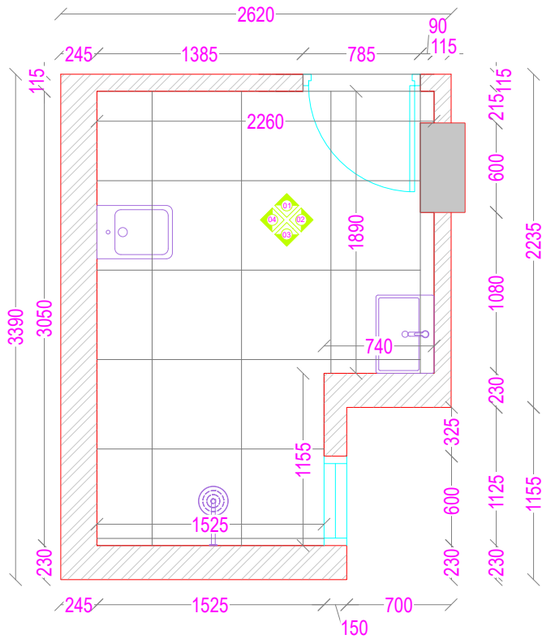


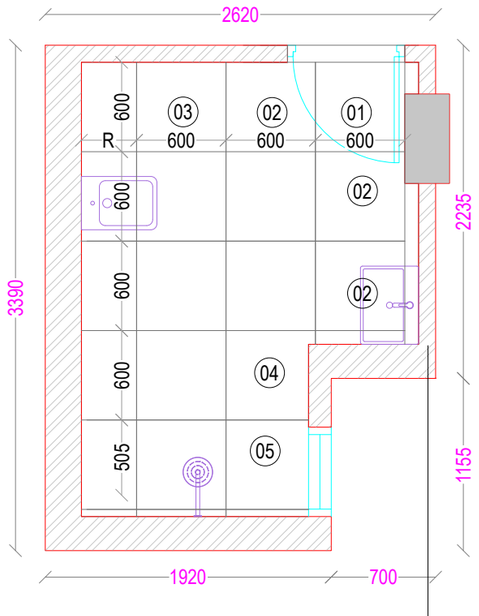
TYPICAL TOILET VENT SECTION



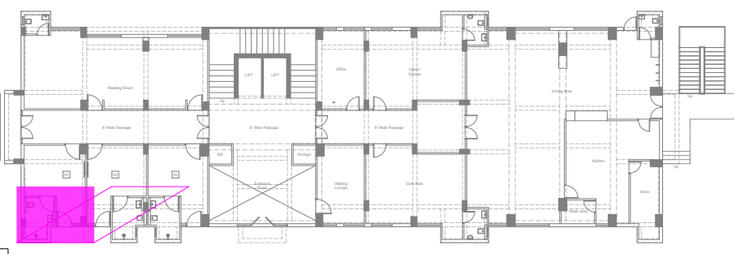
GROUND FLOOR TOILET NO. 03-04 INNER ELEVATION



GROUND FLOOR TOILET NO. 03-04 PLAN



GROUND FLOOR TOILET TILE 03-04 DIMENSION PLAN



GROUND FLOOR PLAN

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REVISION DETAILS :

NO	DATE	DETAILS
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DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR TOILET DETAILS**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

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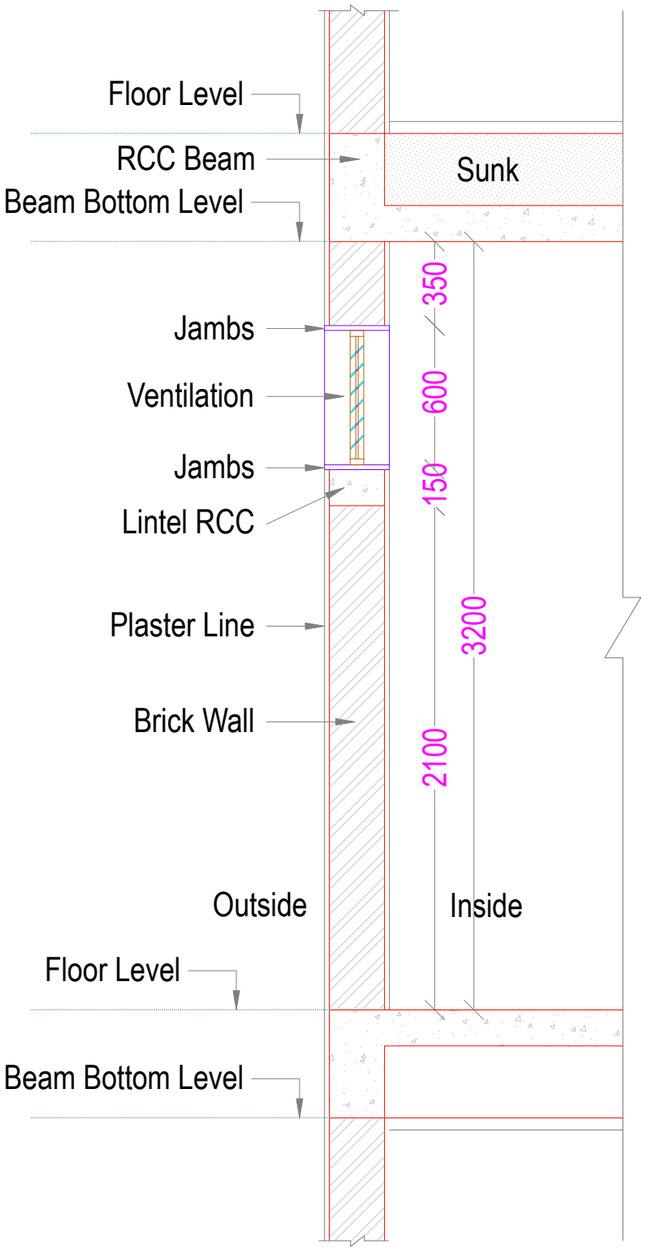
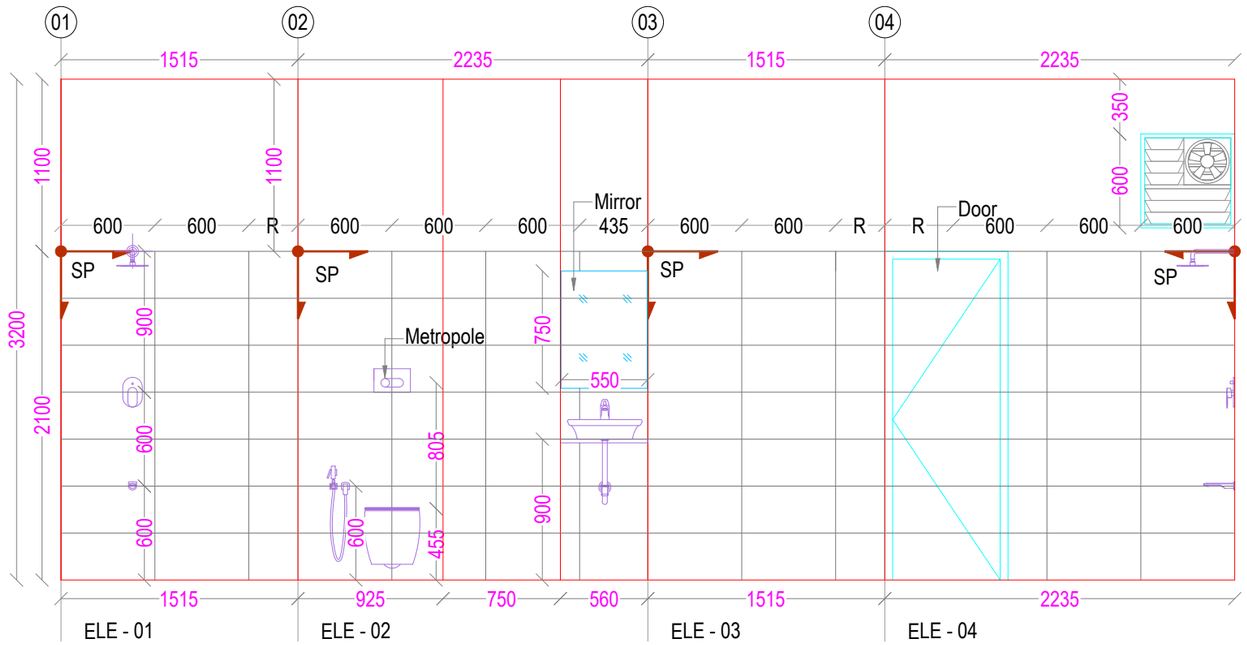
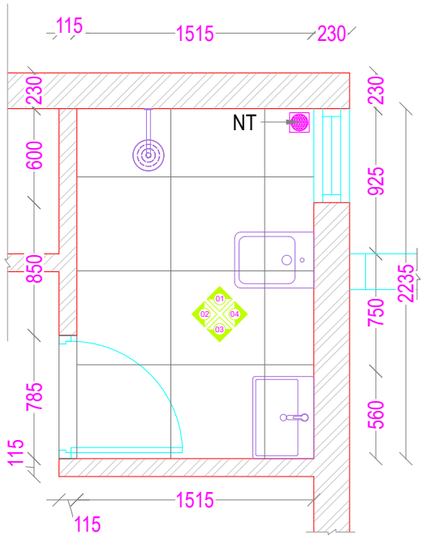


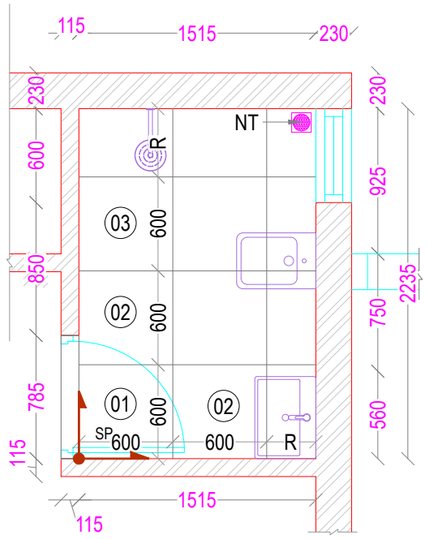
TYPICAL TOILET VENT SECTION



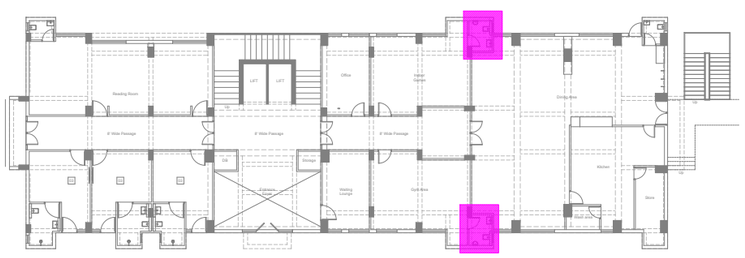
TYPICAL FLOOR TOILET NO. 05-06 INNER ELEVATION



GROUND FLOOR TOILET NO. 05-06 PLAN



GROUND FLOOR TOILET TILE NO. 05-06 PLAN



GROUND FLOOR PLAN

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR TOILET DETAILS**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

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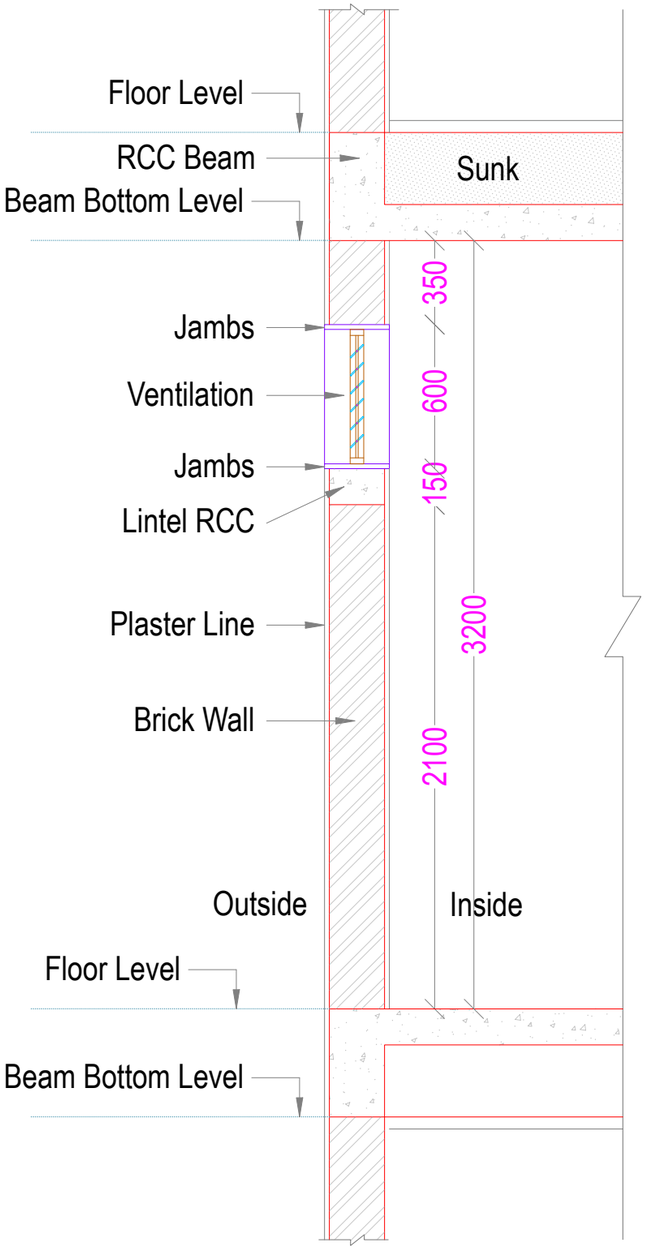
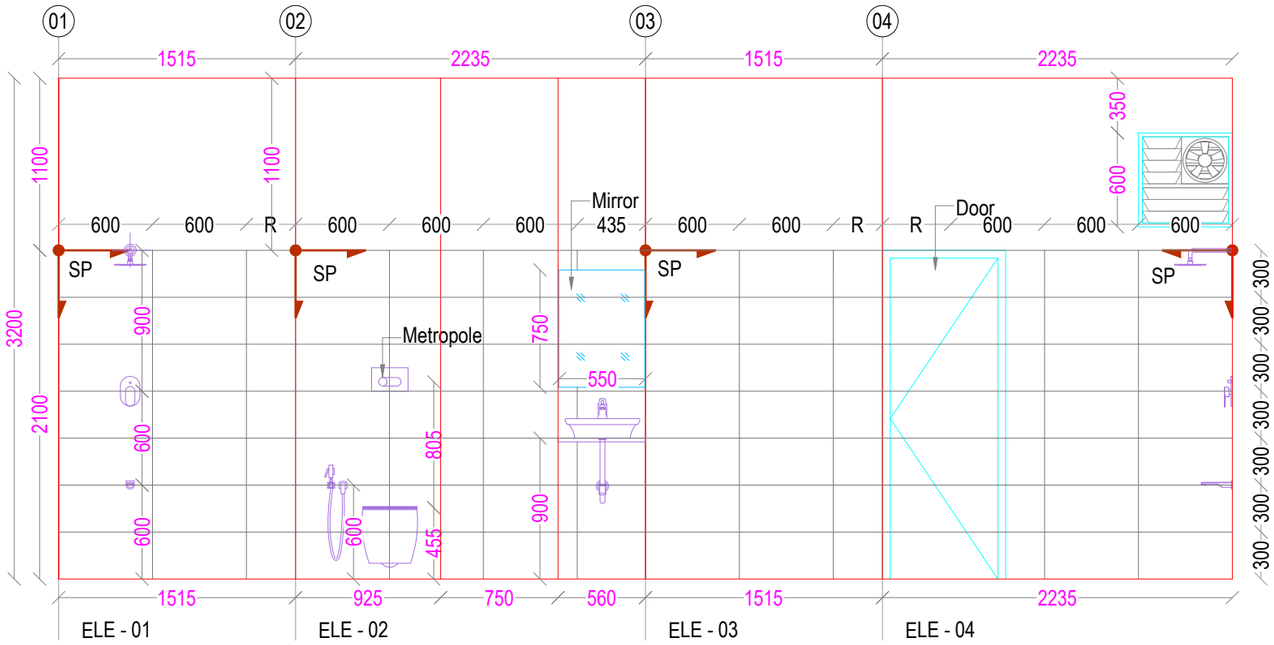
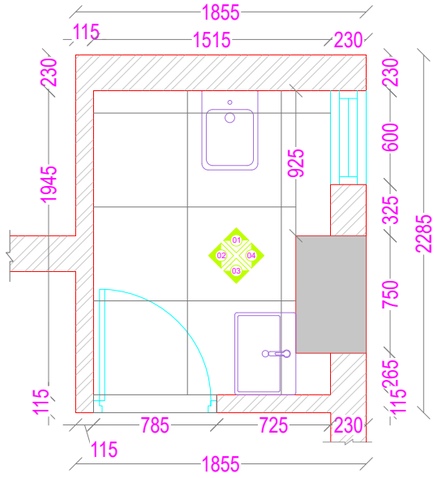


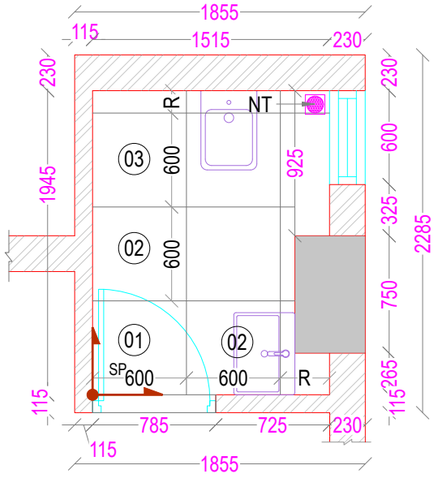
TYPICAL TOILET VENT SECTION



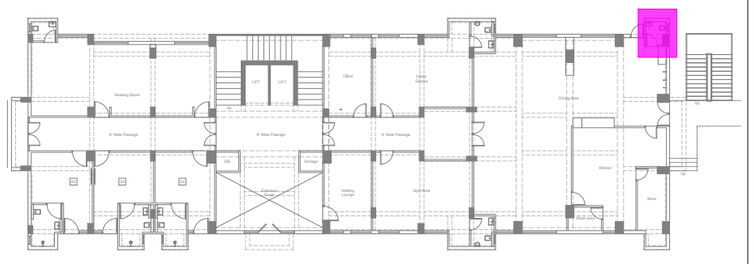
TYPICAL FLOOR TOILET NO. 07-08 INNER ELEVATION



GROUND FLOOR TOILET NO. 07 PLAN



GROUND FLOOR TOILET TILE NO. 07 PLAN



GROUND FLOOR PLAN

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR TOILET DETAILS**
PAPER/SCALE	**NTS**
DRAWN BY	**LALJIBHAI-PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

COLLABORATIVE DESIGN
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e-mail: info@collaborativedesign.in

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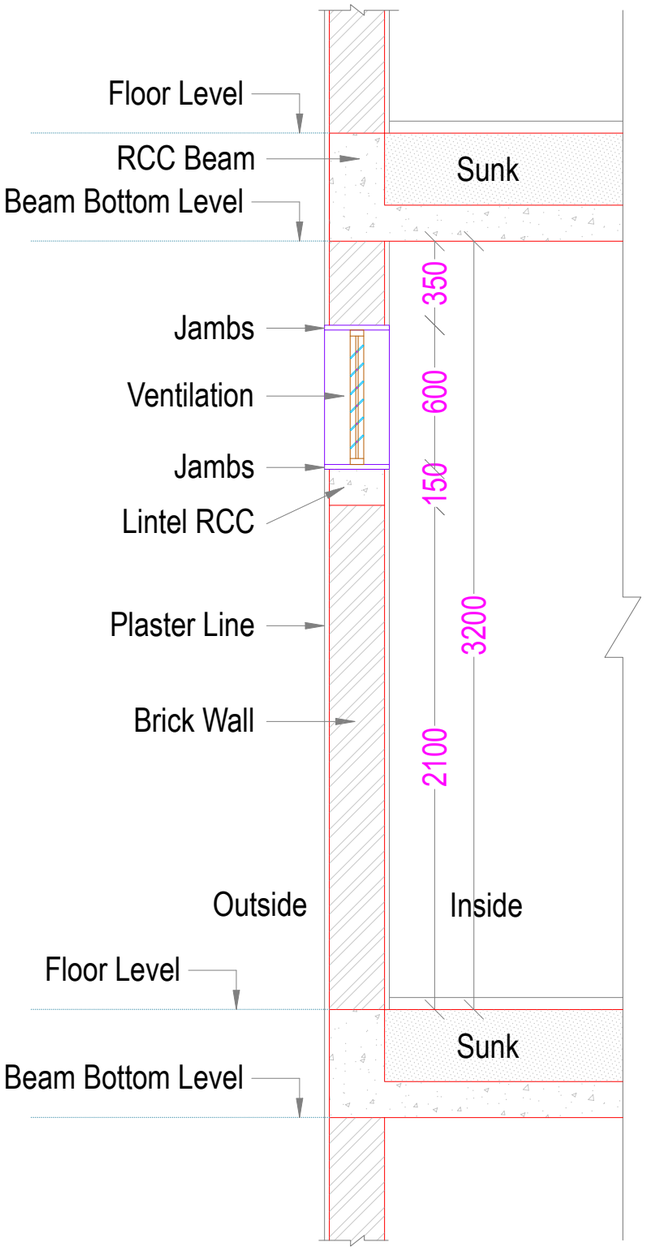
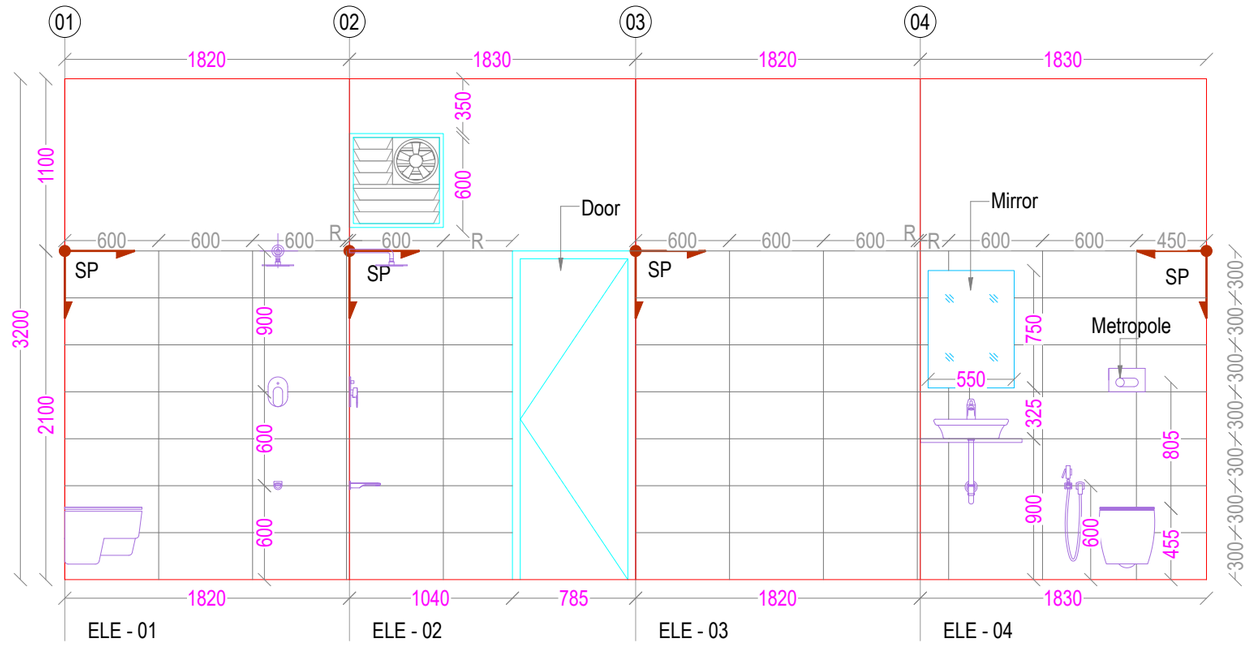
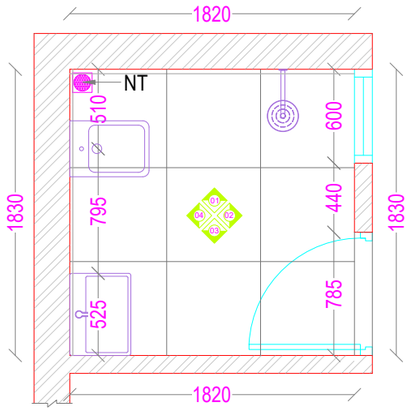


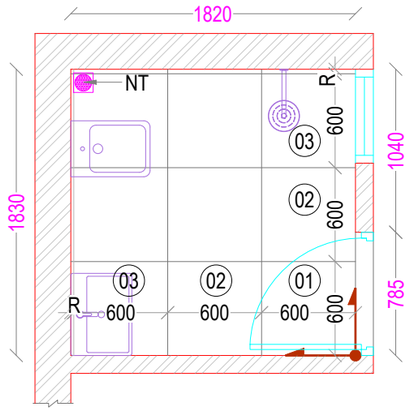
TYPICAL TOILET VENT SECTION



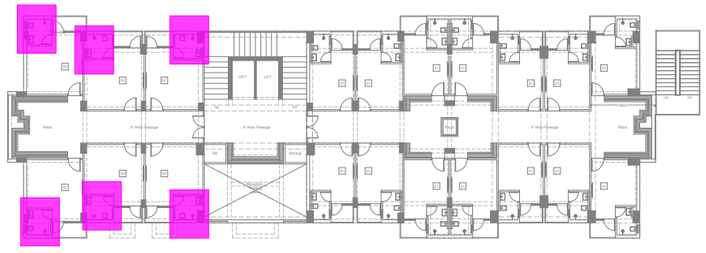
TYPICAL FLOOR TOILET NO. 09 to 14 TYPE 02 INNER ELEVATION



TYPICAL FLOOR TOILET NO. 09 to 14 TYPE 02 PLAN



TYPICAL FLOOR TILE TOILET NO. 09 to 14 TYPE 02 PLAN



FIRST FLOOR PLAN

GENERAL NOTES :

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TYPICAL TOILET 09 to 14 type-2**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

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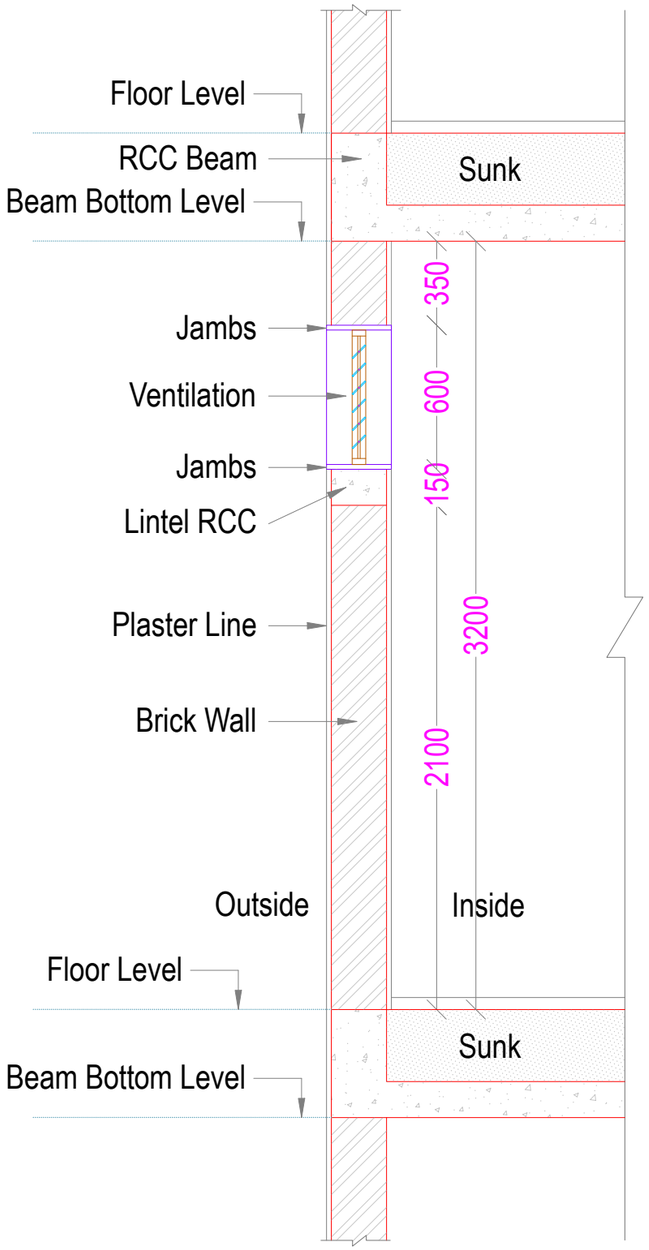
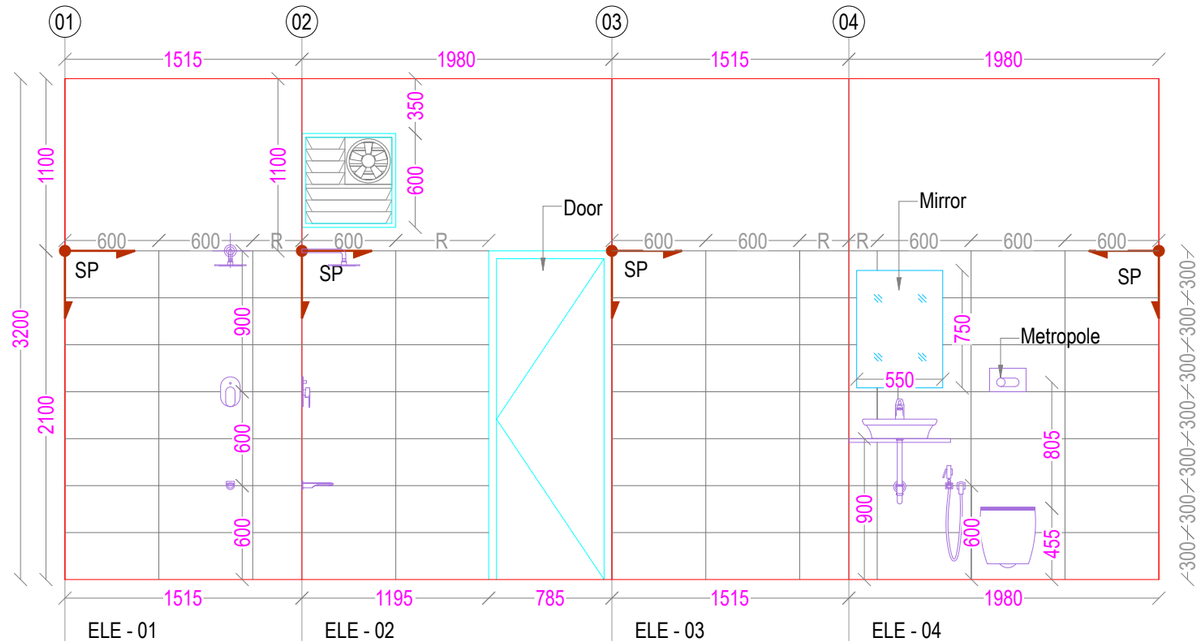
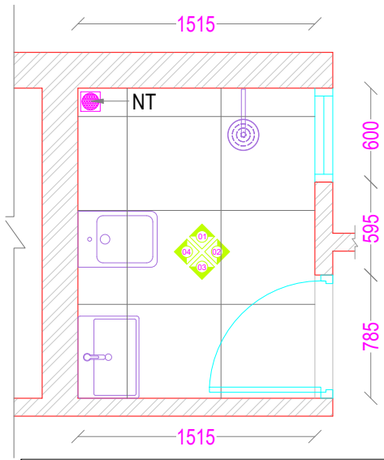


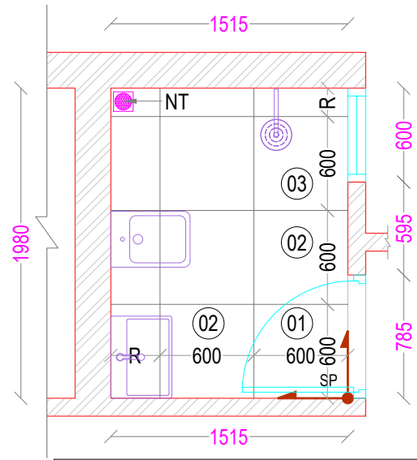
TYPICAL TOILET VENT SECTION



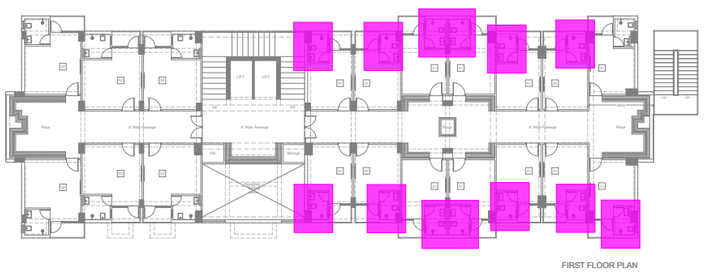
TYPICAL FLOOR TOILET NO. 15 to 27 TYPE 01 INNER ELEVATION



TYPICAL FLOOR TOILET NO. 15 to 27 TYPE 01 PLAN



TYPICAL FLOOR TOILET NO. 15 to 27 TYPE 01 PLAN



FIRST FLOOR PLAN

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TYPICAL TOILET 15 to 27 type-1**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

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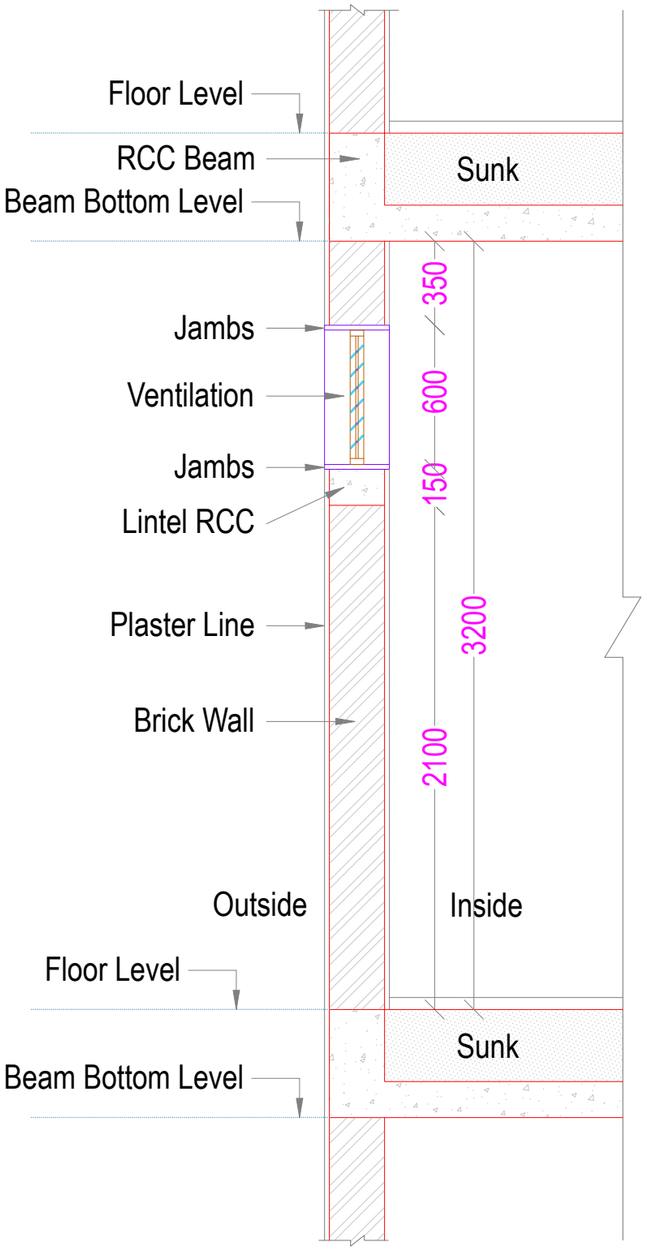

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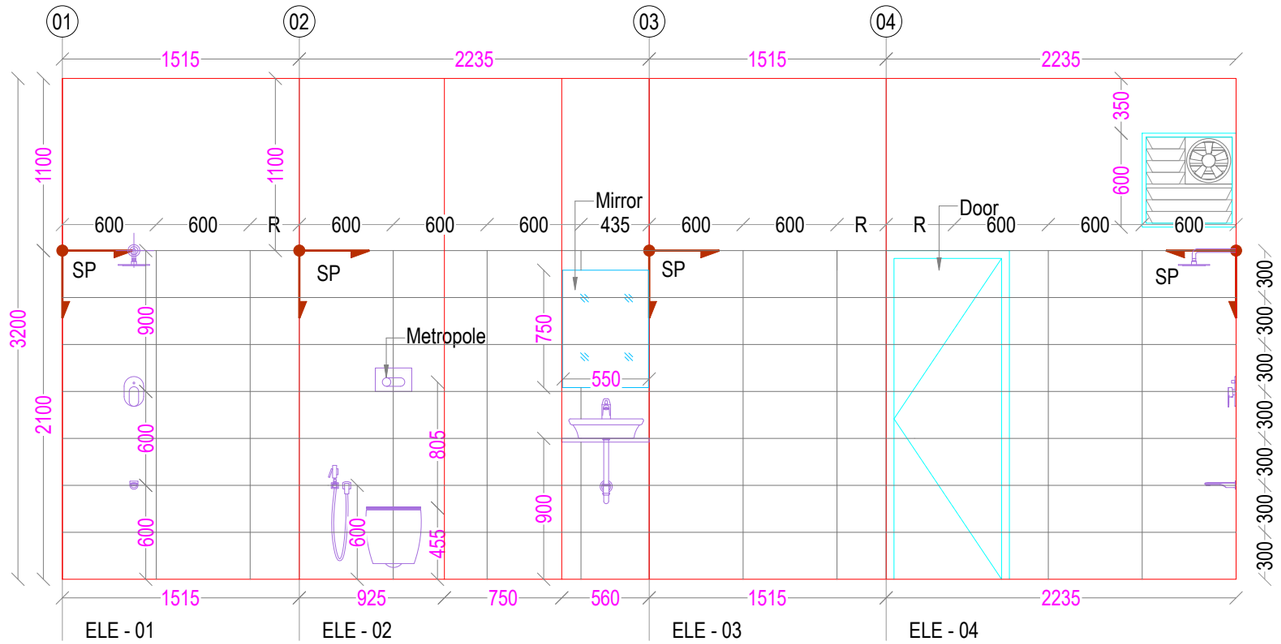
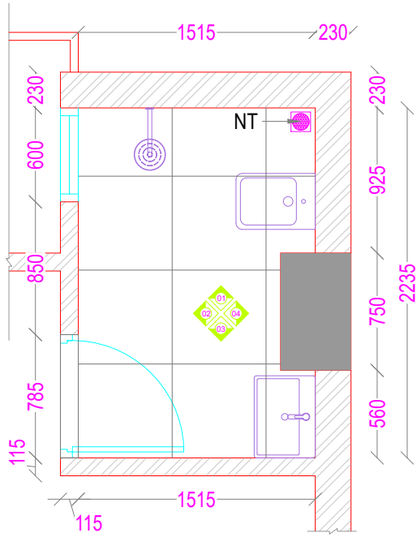
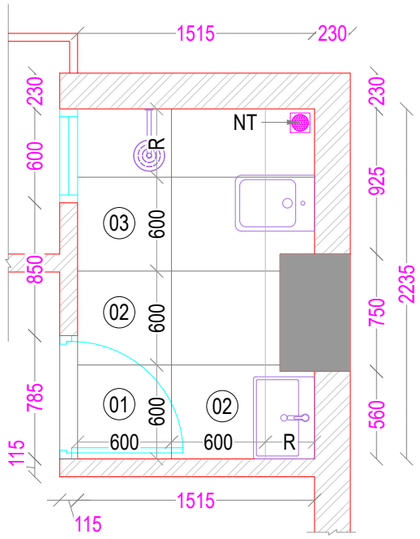


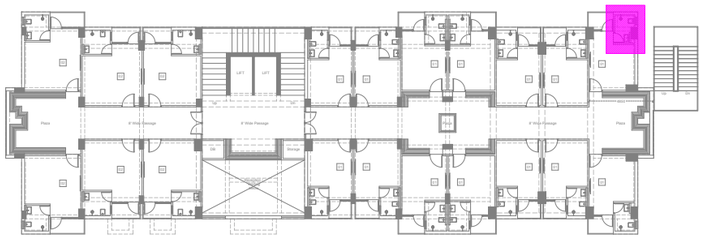
TYPICAL FLOOR TOILET NO. 28 TYPE 01 INNER ELEVATION



TYPICAL FLOOR TOILET NO. 28 TYPE 01 PLAN



TYPICAL FLOOR TOILET NO. 28 TYPE 01 PLAN



FIRST FLOOR PLAN

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TYPICAL TOILET 28 type-1**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :

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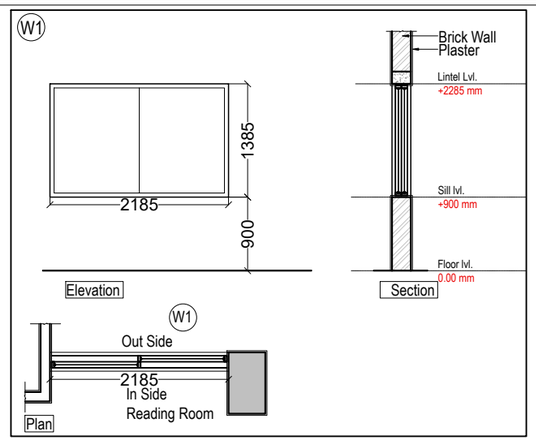
SCHEDULE FOR OPENINGS (MM)

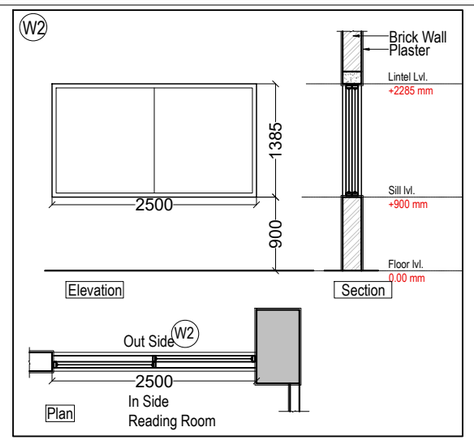
Doors

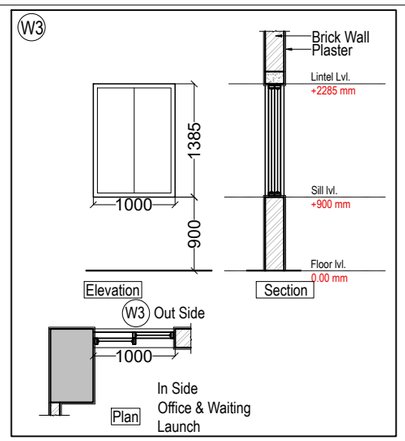
					Location							
	Type	Size	Sill	Lintel	Ground floor	First floor	Second floor	Third floor	Fourth floor	Fifth floor	Terrace floor	Total
D1	Laminate finish flush door	1800 x 2285	0	2285	1	0	0	0	0	0	0	**1**
D2	Toughened glass door	1800 x 2285	0	2285	5	2	3	3	3	3	3	**22**
D3	Laminate finish flush door	1000 x 2285	0	2285	5	20	20	20	20	20	0	**105**
D4	Laminate finish flush door	900 x 2285	0	2285	7	20	20	20	20	20	0	**107**
D5	Laminate finish flush door	1150 x 2285	0	2285	12	0	0	0	0	0	0	**12**
D6	Laminate finish flush door	790 x 2285	0	2285	0	20	20	20	20	20	0	**100**

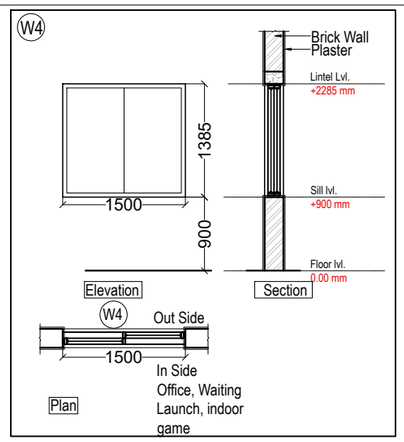
Windows

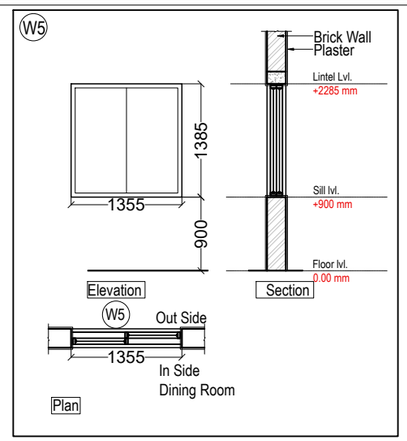
					Location							
	Type	Size	Sill	Lintel	Ground floor	First floor	Second floor	Third floor	Fourth floor	Fifth floor	Terrace floor	Total
W1	Sliding window	2185 x 1385	900	2285	1	-	-	-	-	-	-	**1**
W2	Sliding window	2500 x 1385	900	2285	5	-	-	-	-	-	-	**5**
W3	Sliding window	1000 x 1385	900	2285	2	-	-	-	-	-	-	**2**
W4	Sliding window	1500 x 1385	900	2285	4	-	-	-	-	-	-	**4**
W5	Sliding window	1355 x 1385	900	2285	2	-	-	-	-	-	-	**2**
W6	Sliding window	1725 x 1385	900	2285	2	-	-	-	-	-	-	**2**
W7	Sliding window	600 x 1385	900	2285	2	4	4	4	4	4		**22**
W8	Sliding window	375 x 1385	900	2285	1	-	-	-	-	-	-	**1**
W9	Sliding window	900 x 1385	900	2285	1	-	-	-	-	-	-	**1**
W10	Sliding window	1235 x 1385	900	2285	-	2	2	2	2	2	-	**10**
W11	Sliding window	1090 x 1385	900	2285	-	4	4	4	4	4	-	**20**
W12	Sliding window	725 x 1385	900	2285	-	2	2	2	2	2	-	**10**
W13	Sliding window	840 x 1385	900	2285	-	2	2	2	2	2	-	**10**
W14	Sliding window	775 x 1385	900	2285	-	2	2	2	2	2	-	**10**
W15	Sliding window	405 x 1385	900	2285	-	2	2	2	2	2	-	**10**
W16	Sliding window	555 x 1385	900	2285	-	2	2	2	2	2	-	**10**
W17	Sliding window	1755 x 2755	300	3205	-	2	2	2	2	2	-	**10**
W18	Fixed glass window	925 x 2755	300	3205	-	2	2	2	2	2	-	**10**
V	Ventilation	600 X 600	2435	3035	7	20	20	20	20	20	0	**107**

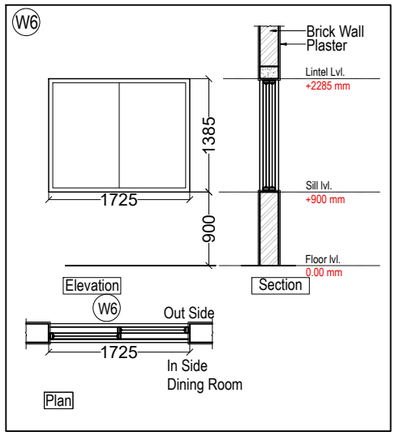


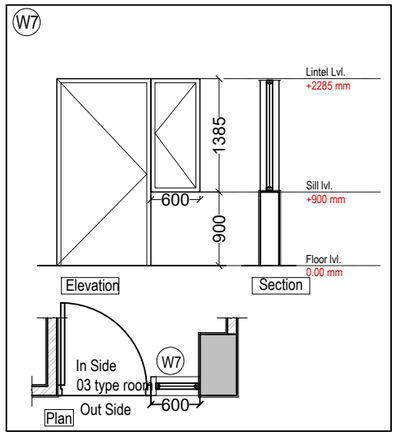


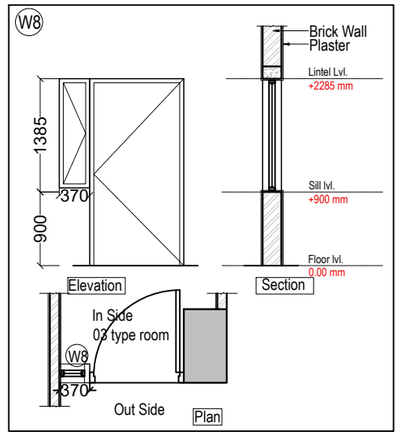


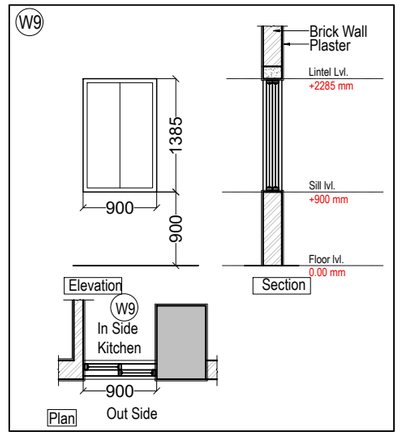


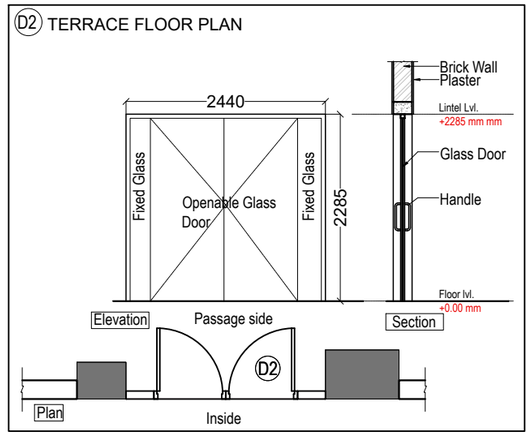


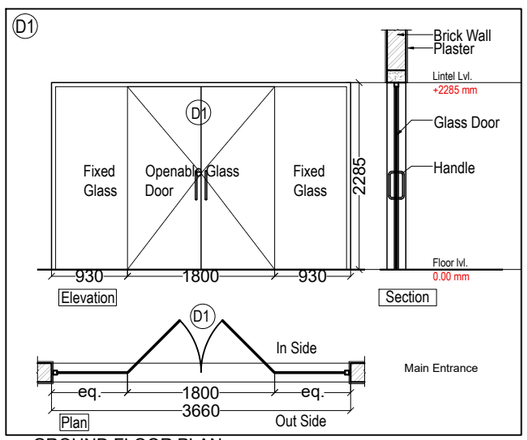




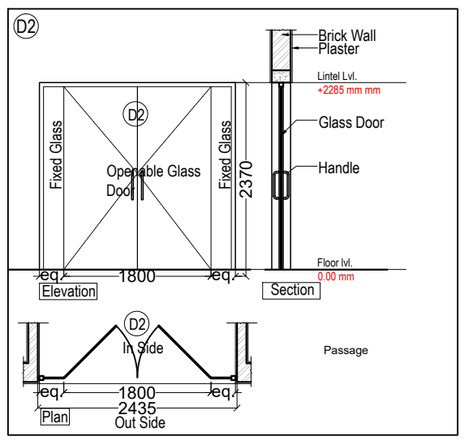


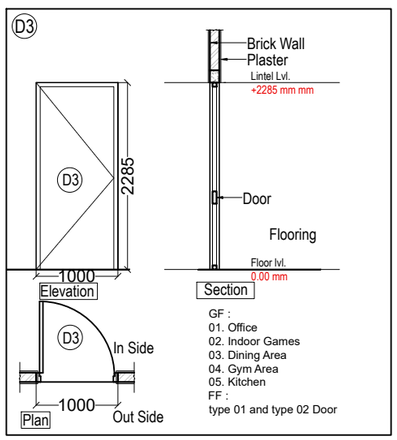


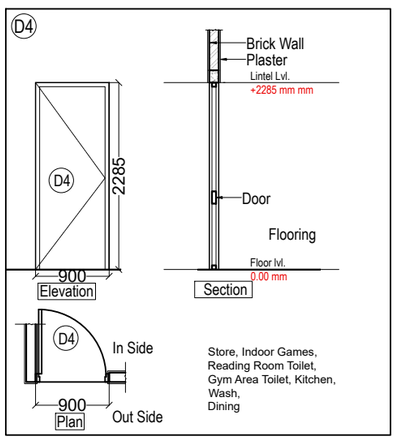


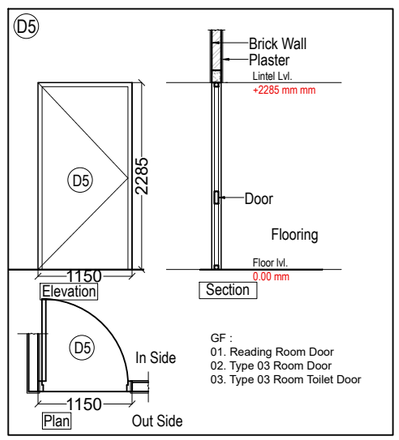


GROUND FLOOR PLAN









GENERAL NOTES :

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3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
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6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

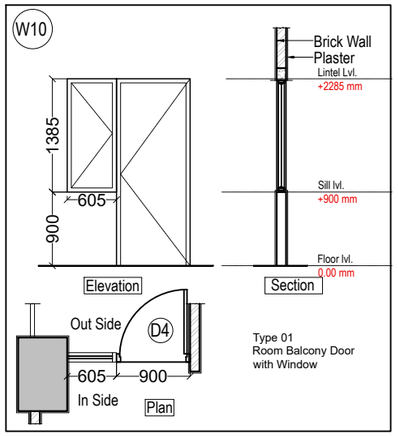
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR DOOR-WINDOW DETAIL**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

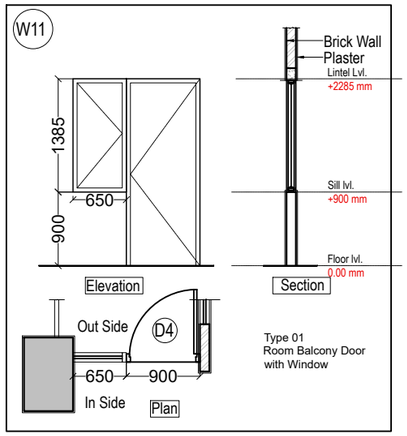
ISSUED FOR TENDER

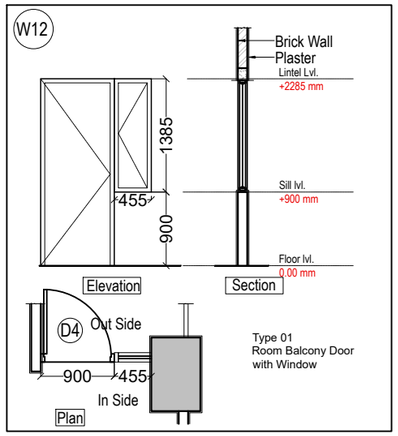
DESIGN CONSULTANT :
COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
ph: 079 26651217
e-mail: info@collaborativedesign.in

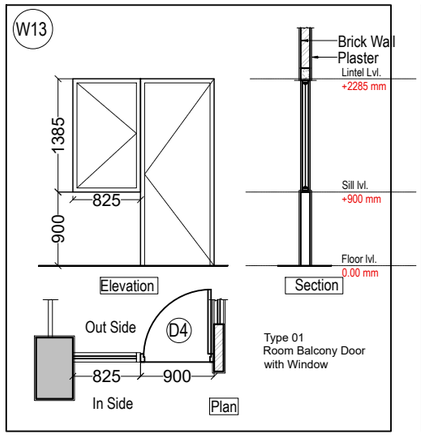
collaborative_design

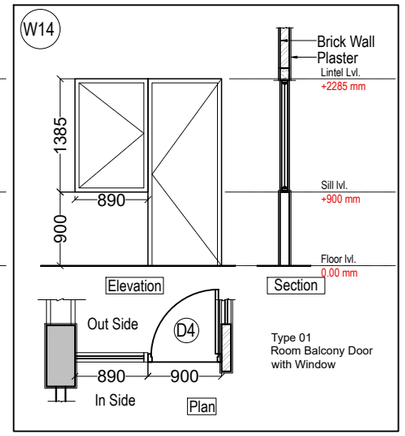
N

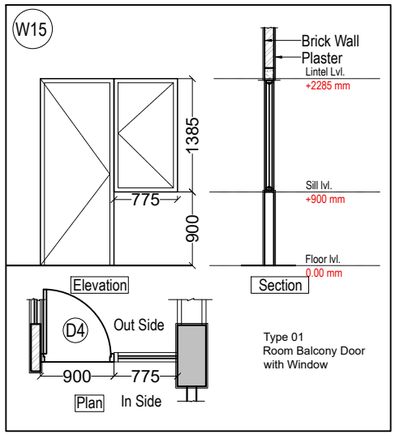


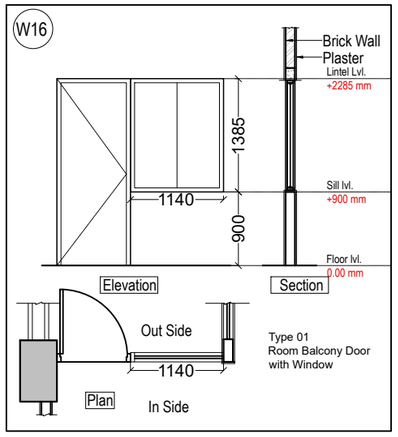


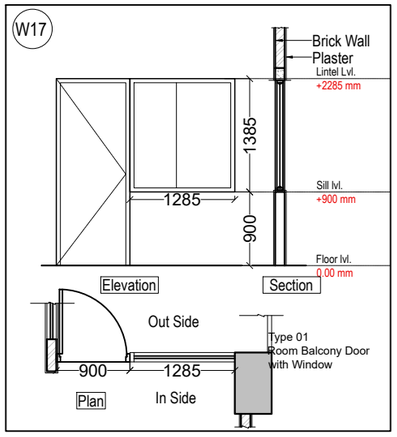


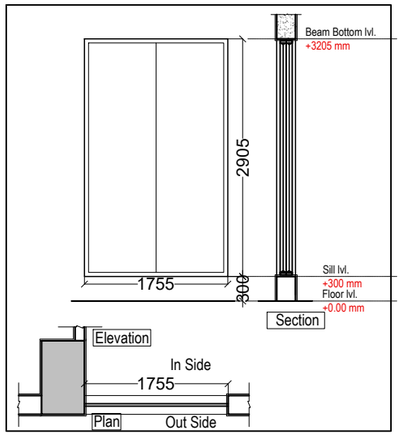


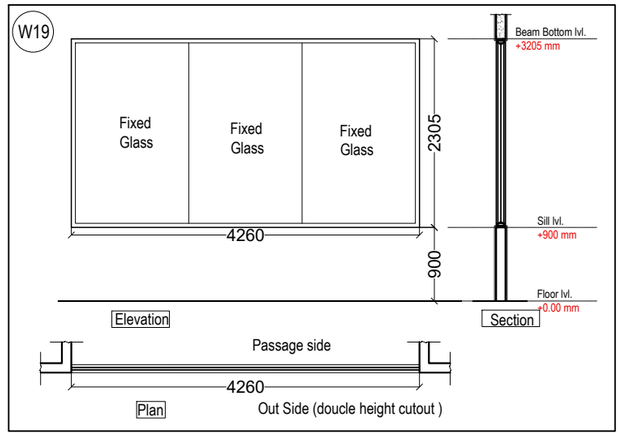


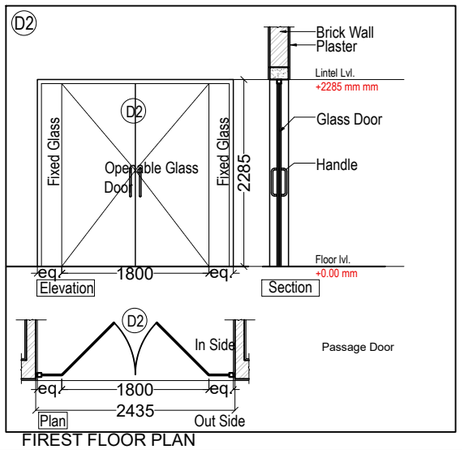


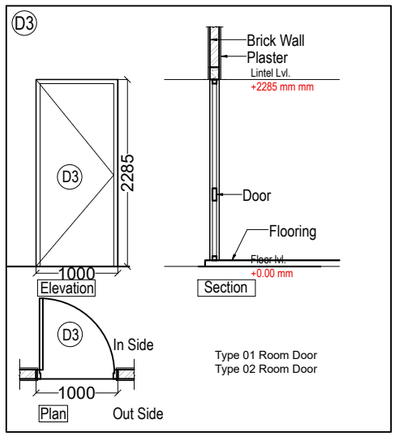


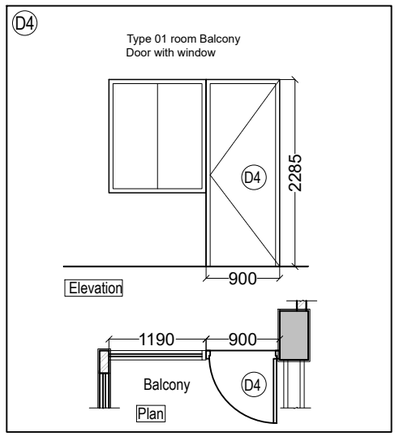


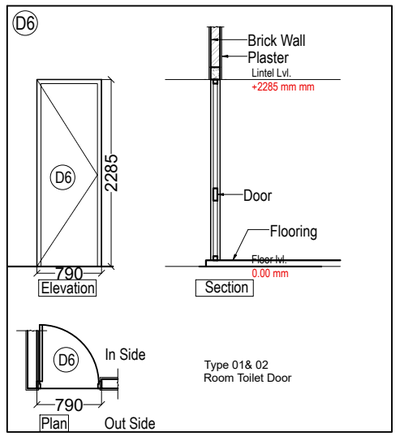


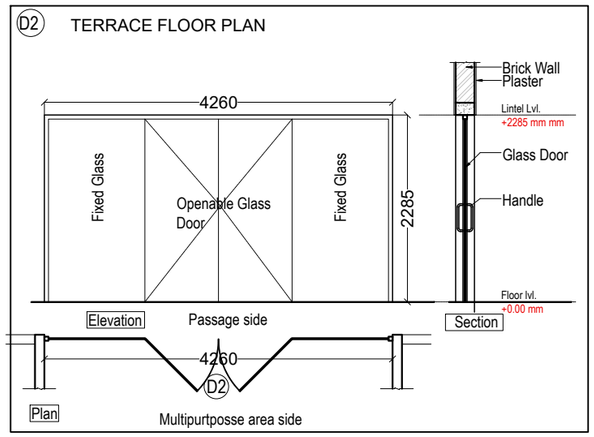












FIREST FLOOR PLAN

GENERAL NOTES :

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6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**FIRST FLOOR DOOR-WINDOW DETAIL**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :
COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
ph: 079 26651217
e-mail: info@collaborativedesign.in

collaborative_design

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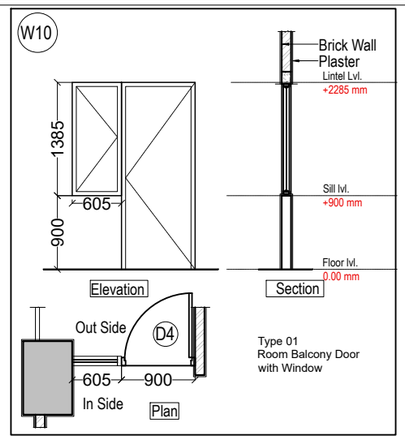

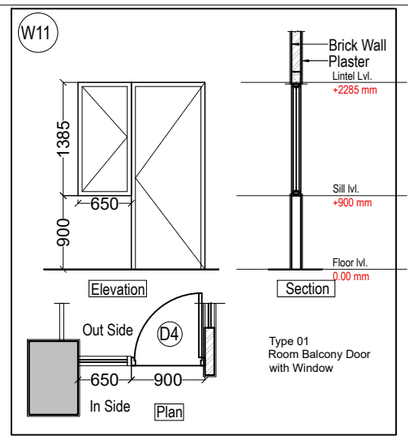

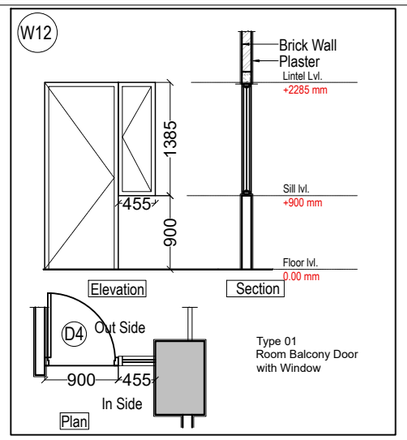

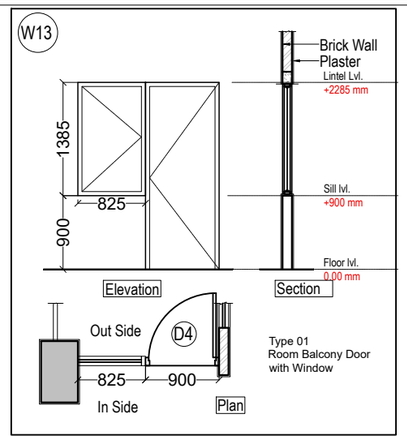

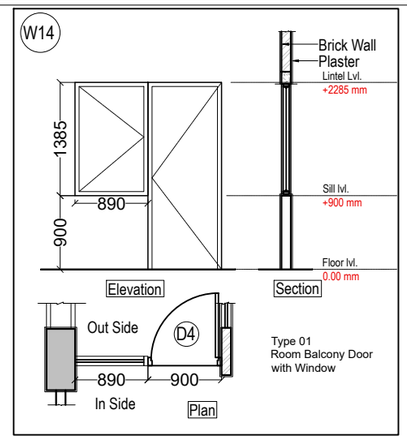

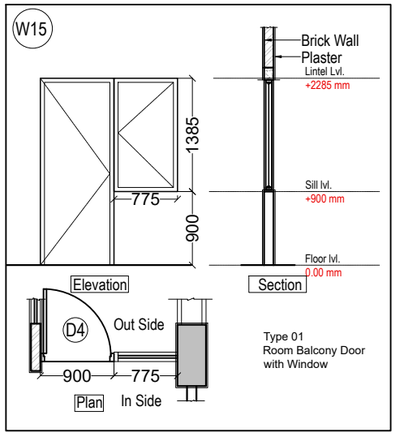

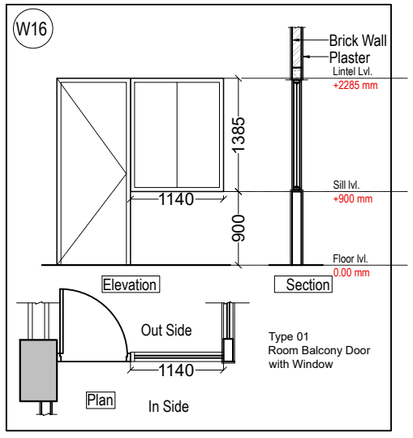

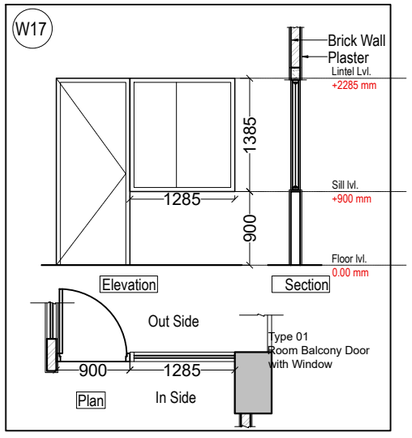

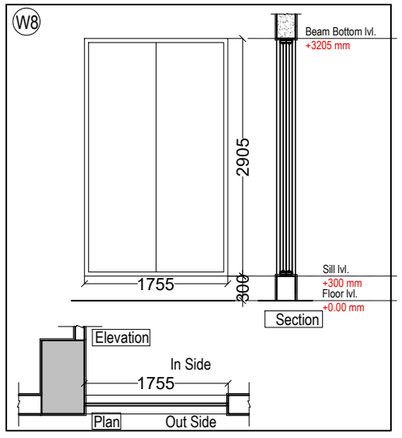

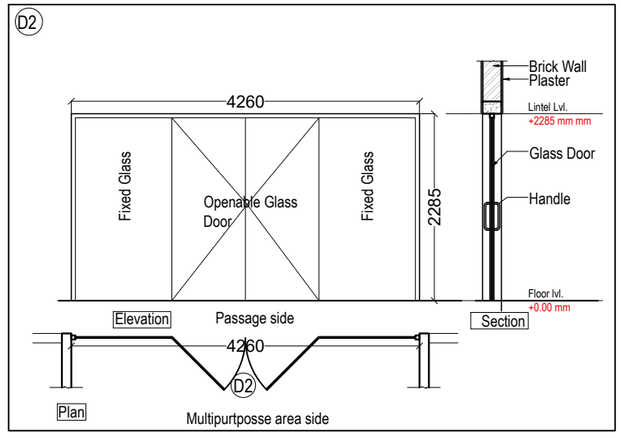

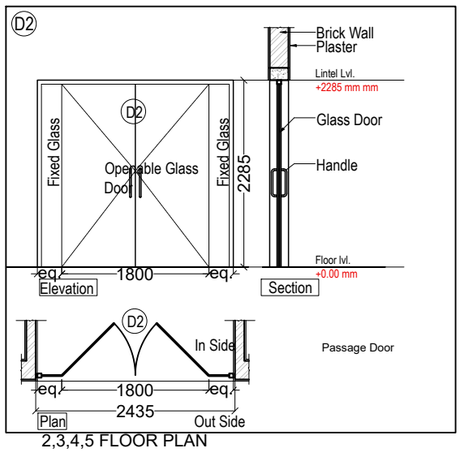

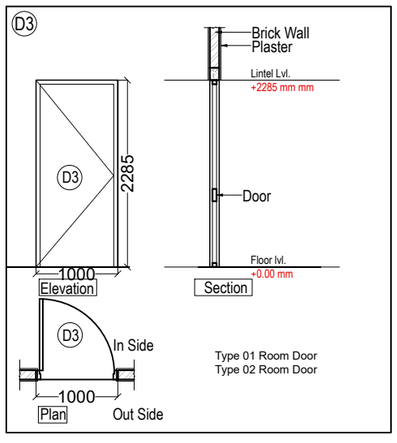

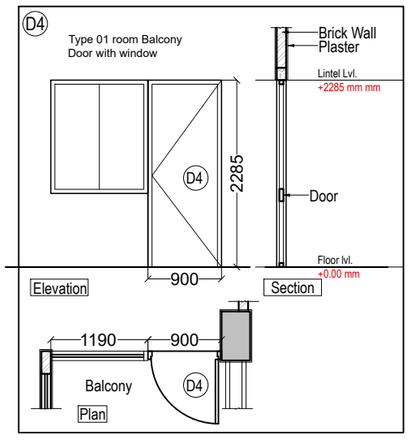

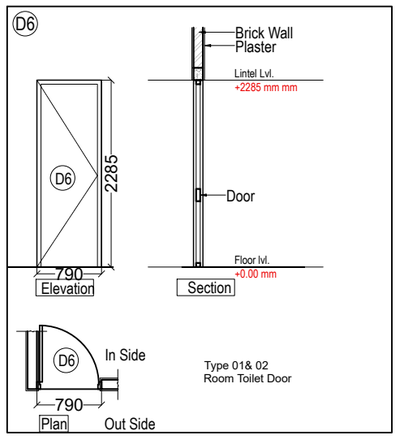

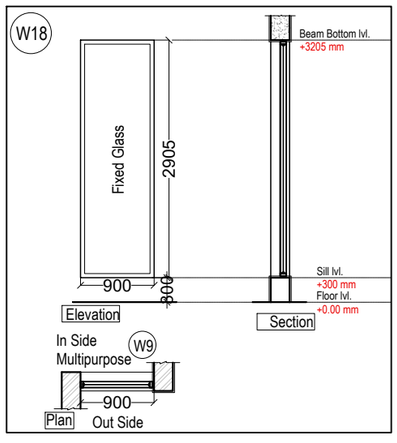

2,3,4,5 FLOOR PLAN

GENERAL NOTES :

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REVISION DETAILS :

NO	DATE	DETAILS
R0	13-01-2025	ISSUED FOR TENDER

DRAWING DETAILS :

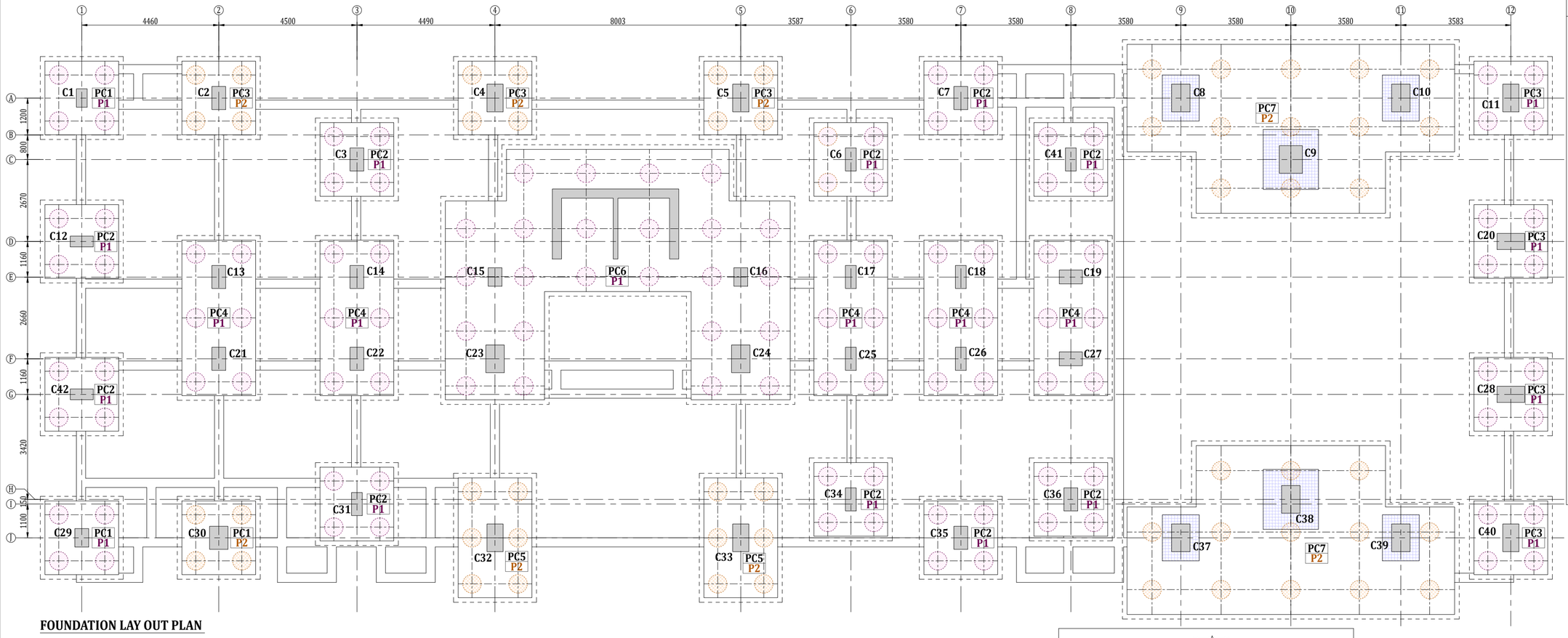
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TYPICAL FLOOR DOOR-WINDOW DETAIL**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**13-01-2025**

ISSUED FOR TENDER

DESIGN CONSULTANT :
COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
ph: 079 26651217
e-mail: info@collaborativedesign.in

collaborative_design

N



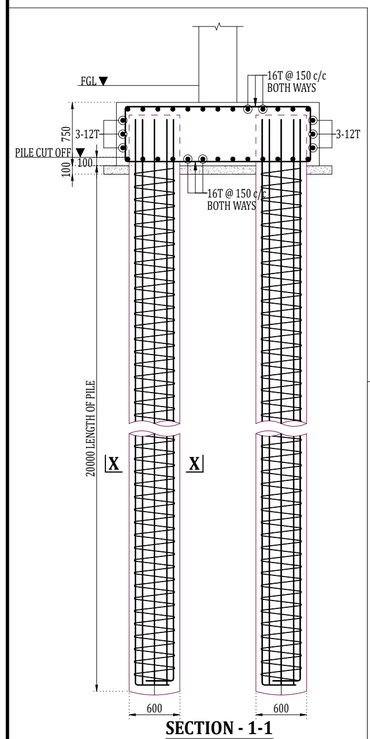
FOUNDATION LAY OUT PLAN

PILE P1 - 600Ø - 20.00 mt. DEPTH

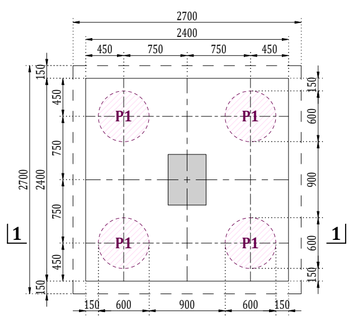
PILE P2 - 600Ø - 22.00 mt. DEPTH

SPECIFICATIONS/NOTES:-

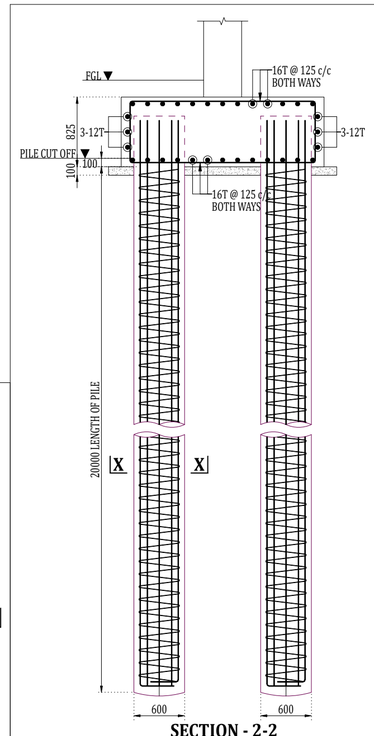
(1) ALL DIMENSIONS ARE IN MM.
(2) THIS DRAWING HAS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING & ANY AMBIGUITY IN DIMENSIONS & DETAIL SHALL BE BROUGHT TO THE NOTICE OF CONSULTING ENGINEERS.
(3) ALL CONCRETE WORK SHALL BE MACHINE MIXED & MACHINE VIBRATED & SHALL CONFORM M:30 CONCRETE MIX OTHER WISE STATED.
(4) ALL REINFORCEMENT WORK SHALL CHECKED & APPROVED BY CONSULTING ENGINEER.
(5) ALL CONCRETE WORK SHALL BE CURED FOR MINIMUM 14 DAYS.
(6) PROVIDE 12mmø EXTRA RING@1000mmC/C WELDED WITH MAIN BARS FOR PILE
(7) PILE TO BE CONSTRUCTED UP TO 600mm ABOVE PILE CUTOFF LVL, THE ADDITIONAL CONCRETE IN PILE ABOVE CUTOFF LVL SHALL BE CHIPPED OFF & EXISTING SURFACE SHALL BE ROUGHED,CLEANED AND SUITABLE BONDING AGENT SHALL BE APPLY BEFORE CONSTRUCTING OF PILE CAP.
(8) PILE CAPACITY ASSUMED AT 12.0 MTR. DEPTH.
COMPRESSION = 740 KN
TENSION = 417.5 KN
(9) COVER FOR PILECAP = 75 MM.
COVER FOR PILE = 40 MM.
COVER FOR COLUMN = 40 MM.
COVER FOR BEAM = 25 MM.



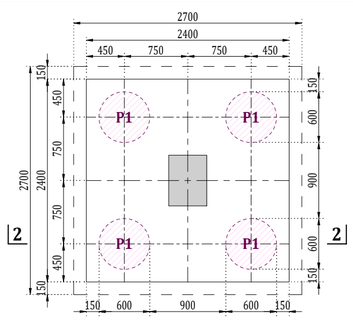
SECTION - 1-1



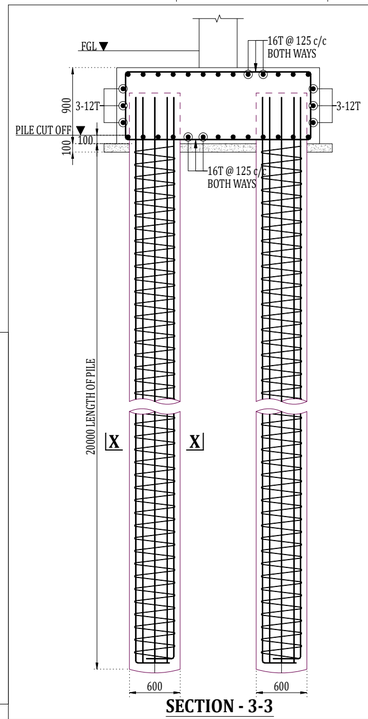
TYPICAL DETAILS OF PILE CAP PC1



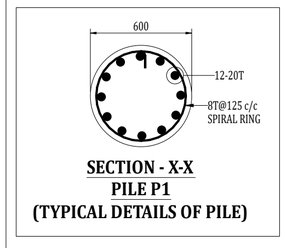
SECTION - 2-2



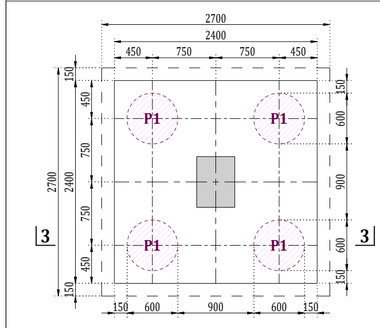
TYPICAL DETAILS OF PILE CAP PC2



SECTION - 3-3



SECTION - X-X
PILE P1
(TYPICAL DETAILS OF PILE)



TYPICAL DETAILS OF PILE CAP PC3

REVISION DETAILS :		
NO	DATE	DETAILS
R0	02.01.2025	ISSUED FOR TENDER ONLY
R1	16.01.2025	ISSUED FOR TENDER ONLY

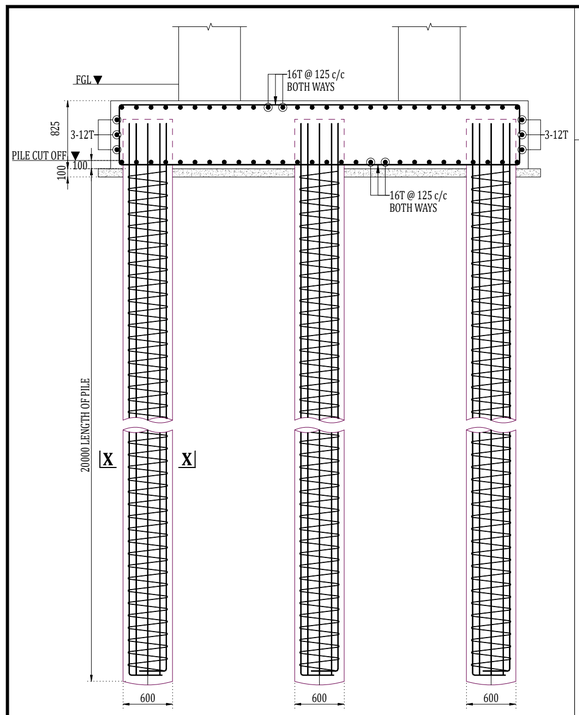
DRAWING DETAILS :	
PROJECT	HOSTEL PROPOSAL_EDI BHAT
DWG NAME	DETAILS OF FOUNDATION
PAPER/SCALE	NTS
DRAWN BY	P.R.M
CHECKED BY	VB
DATE	02-01-2025

DESIGN CONSULTANT :

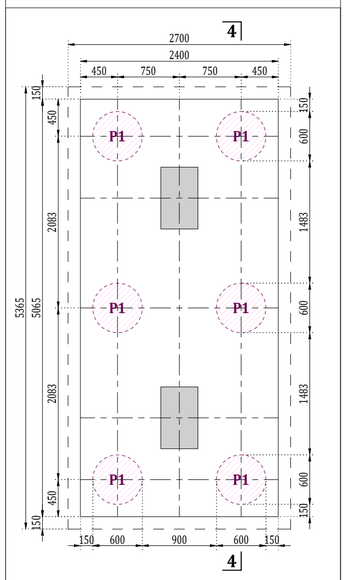
COLLABORATIVE DESIGN

AXEES CONSULTANTS

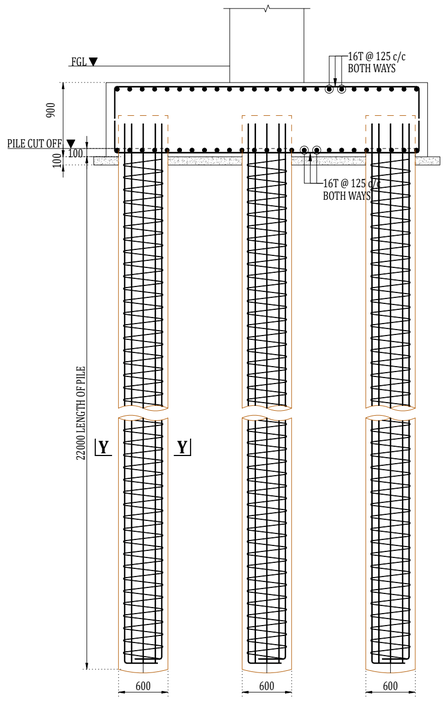
collaborative_design
AXEES consultants



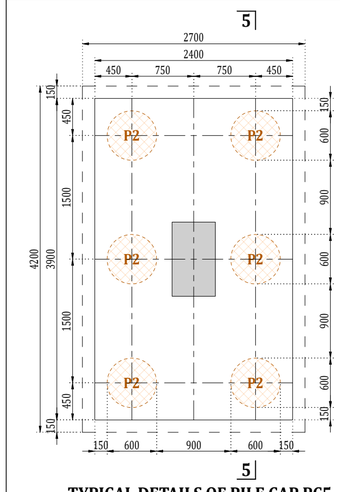
SECTION - 4-4



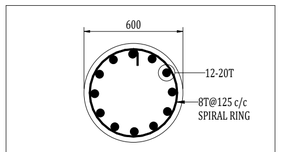
TYPICAL DETAILS OF PILE CAP PC4



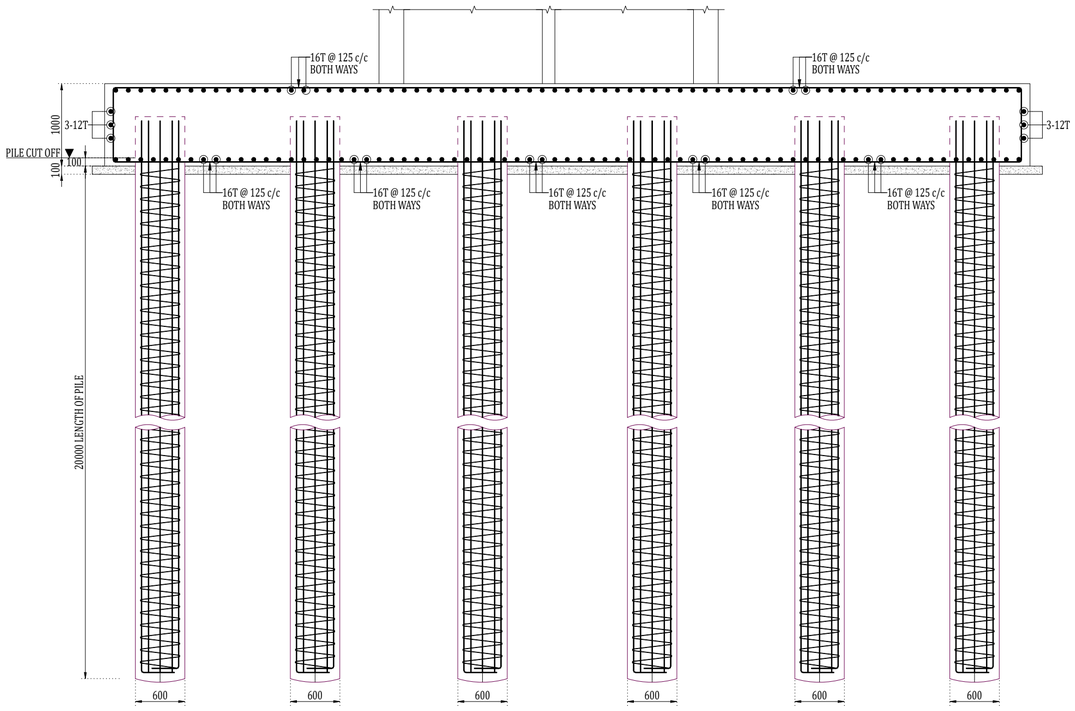
SECTION - 5-5



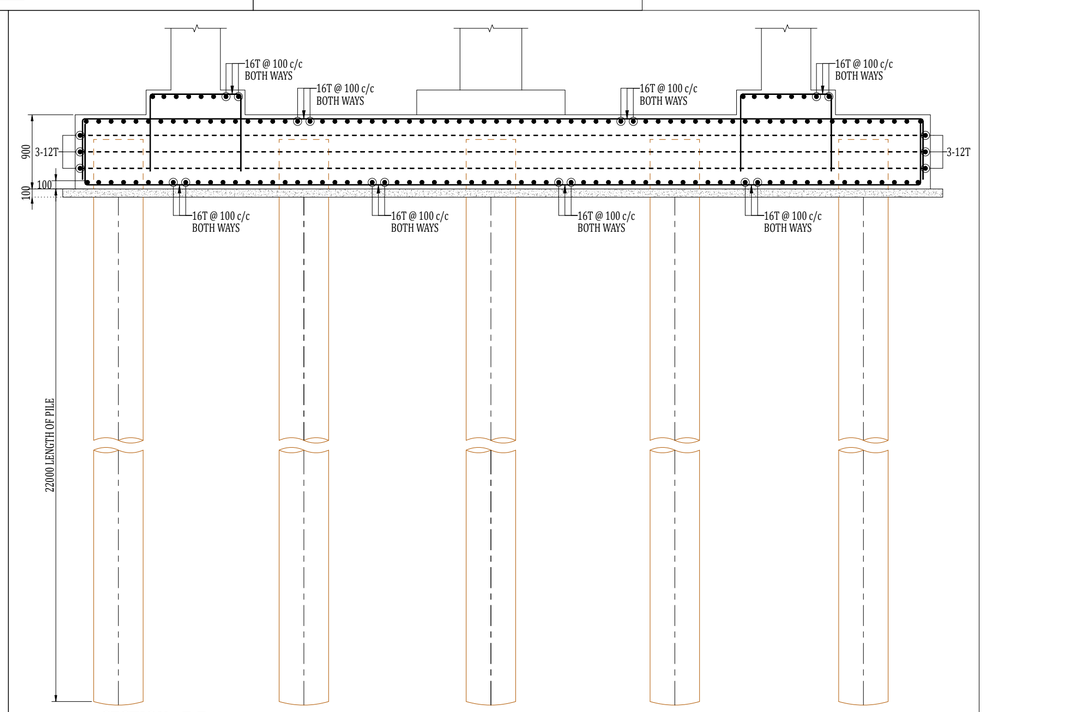
TYPICAL DETAILS OF PILE CAP PC5



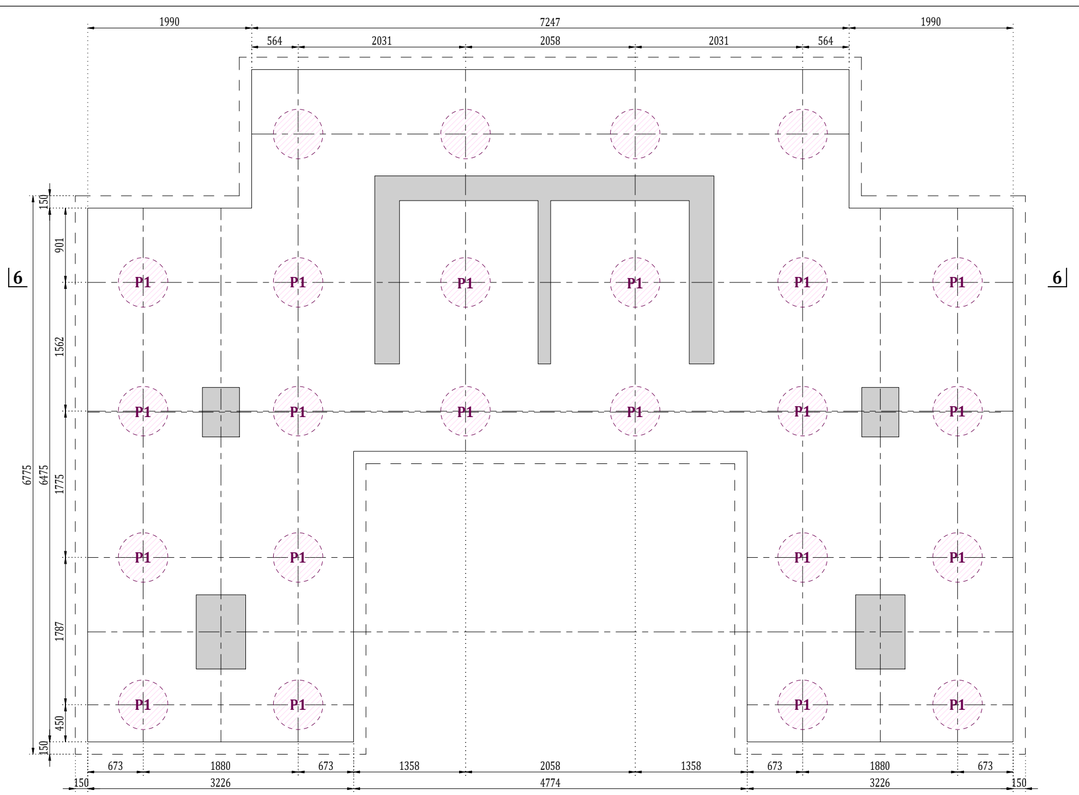
SECTION - Y-Y
PILE P2
(TYPICAL DETAILS OF PILE)



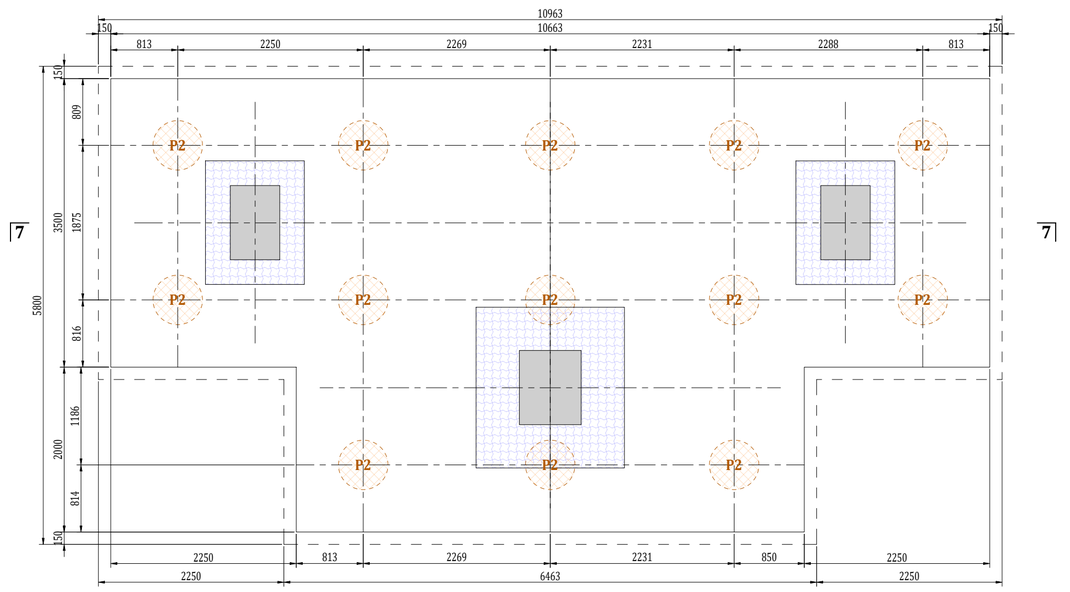
SECTION - 6-6



SECTION - 7-7



TYPICAL DETAILS OF PILE CAP PC6



TYPICAL DETAILS OF PILE CAP PC7

REVISION DETAILS :		
NO	DATE	DETAILS
R0	02.01.2025	ISSUED FOR TENDER ONLY
R1	16.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :	
PROJECT	HOSTEL PROPOSAL_EDI BHAT
DWG NAME	DETAILS OF FOUNDATION
PAPER/SCALE	NTS
DRAWN BY	P.R.M
CHECKED BY	VB
DATE	02-01-2025

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

collaborative design
AXEES consultants

COLUMN SCHEDULE :-

		C1	C2	C3	C4, C5, C32, C33	C6, C34
COLUMN RING ARRANGEMENT					8T @ 150 c/c 5 SET RINGS	
COLUMN REINFORCEMENT					525 / 900 ● 14-20T + ○ 6-16T	
COLUMNS FROM TERRACE LVL. TO STAIR CABIN TOP LVL.	SIZE				525x900	
	STEEL				14-20T + 6-16T	
	STIRRUPS				8T@150 c/c	
	CONC.MIX				M25	
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		350 / 600 ● 12-20T + ○ 2-16T	450 / 750 ● 18-20T	350 / 750 ● 4-25T + ○ 12-20T	525 / 900 ● 14-20T + ○ 6-16T	450 / 750 ● 16-20T
COLUMNS FROM SLAB TOP TO TERRACE LVL.	SIZE	350x600	450x750	350x750	525x900	450x750
	STEEL	12-20T + 2-16T	18-20T	4-25T + 12-20T	14-20T + 6-16T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		350 / 600 ● 12-20T + ○ 2-16T	450 / 750 ● 18-20T	350 / 750 ● 4-25T + ○ 12-20T	525 / 900 ● 14-20T + ○ 6-16T	450 / 750 ● 16-20T
COLUMNS FROM G.F. SLAB TO F.F. SLAB LVL.	SIZE	350x600	450x750	350x750	525x900	450x750
	STEEL	12-20T + 2-16T	18-20T	4-25T + 12-20T	14-20T + 6-16T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		350 / 600 ● 12-20T + ○ 2-16T	450 / 750 ● 18-20T	450 / 750 ● 4-25T + ○ 12-20T	525 / 900 ● 20-20T	450 / 750 ● 16-20T
COLUMNS FROM FOUNDATION TO G.F. SLAB TOP	SIZE	350x600	450x750	450x750	525x900	450x750
	STEEL	12-20T + 2-16T	18-20T	4-25T + 12-20T	20-20T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN MARKS		C1	C2	C3	C4, C5, C32, C33	C6, C34

		C7, C35	C8, C37	C9, C38	C10, C39	C11, C40
COLUMN RING ARRANGEMENT						
COLUMN REINFORCEMENT						
COLUMNS FROM TERRACE LVL. TO STAIR CABIN TOP LVL.	SIZE					
	STEEL					
	STIRRUPS					
	CONC.MIX					
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS
COLUMN REINFORCEMENT		450 / 750 ● 6-20T + ○ 12-16T	600 / 900 ● 22-25T	600 / 900 ● 22-20T	600 / 900 ● 22-25T	525 / 900 ● 12-25T + ○ 8-20T
COLUMNS FROM SLAB TOP TO TERRACE LVL.	SIZE	450x750	600x900	600x900	600x900	525x900
	STEEL	6-20T + 12-16T	22-25T	22-25T	22-25T	12-25T + 8-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS
COLUMN REINFORCEMENT		450 / 750 ● 6-20T + ○ 12-16T	600 / 900 ● 22-25T	600 / 900 ● 22-20T	600 / 900 ● 6-32T + ○ 16-25T	525 / 900 ● 12-25T + ○ 8-20T
COLUMNS FROM G.F. SLAB TO F.F. SLAB LVL.	SIZE	450x750	600x900	600x900	600x900	525x900
	STEEL	6-20T + 12-16T	22-25T	22-25T	6-32T + 16-25T	12-25T + 8-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS
COLUMN REINFORCEMENT		450 / 750 ● 6-20T + ○ 12-16T	600 / 900 ● 22-25T	600 / 900 ● 14-25T + ○ 8-20T	600 / 900 ● 6-32T + ○ 16-25T	525 / 900 ● 12-25T + ○ 8-20T
COLUMNS FROM FOUNDATION TO G.F. SLAB TOP	SIZE	450x750	600x900	600x900	600x900	525x900
	STEEL	6-20T + 12-16T	22-25T	22-25T	6-32T + 16-25T	12-25T + 8-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN MARKS		C7, C35	C8, C37	C9, C38	C10, C39	C11, C40

		C12, C42	C13	C14	C15, C16	C17, C18, C25, C26
COLUMN RING ARRANGEMENT					8T @ 150 c/c 4 SET RINGS	
COLUMN REINFORCEMENT					450 / 750 ● 8-25T + ○ 8-20T	
COLUMNS FROM TERRACE LVL. TO STAIR CABIN TOP LVL.	SIZE				450x600	
	STEEL				8-25T + 8-20T	
	STIRRUPS				8T@150 c/c	
	CONC.MIX				M25	
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		450 / 750 ● 14-20T + ○ 2-16T	350 / 750 ● 8-20T + ○ 10-16T	350 / 750 ● 2-25T + ○ 14-20T	450 / 750 ● 8-25T + ○ 8-20T	350 / 750 ● 16-20T
COLUMNS FROM SLAB TOP TO TERRACE LVL.	SIZE	450x750	350x750	350x750	450x600	350x750
	STEEL	14-20T + 2-16T	8-20T + 10-16T	2-25T + 14-20T	8-25T + 8-20T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		450 / 750 ● 14-20T + ○ 2-16T	350 / 750 ● 8-20T + ○ 10-16T	350 / 750 ● 2-25T + ○ 14-20T	450 / 750 ● 8-25T + ○ 8-20T	350 / 750 ● 16-20T
COLUMNS FROM G.F. SLAB TO F.F. SLAB LVL.	SIZE	450x750	350x750	350x750	450x600	350x750
	STEEL	14-20T + 2-16T	8-20T + 10-16T	2-25T + 14-20T	8-25T + 8-20T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		450 / 750 ● 14-20T + ○ 2-16T	350 / 750 ● 8-20T + ○ 10-16T	350 / 750 ● 2-25T + ○ 14-20T	450 / 750 ● 8-25T + ○ 8-20T	350 / 750 ● 16-20T
COLUMNS FROM FOUNDATION TO G.F. SLAB TOP	SIZE	450x750	350x750	350x750	450x600	350x750
	STEEL	14-20T + 2-16T	8-20T + 10-16T	2-25T + 14-20T	8-25T + 8-20T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN MARKS		C12, C42	C13	C14	C15, C16	C17, C18, C25, C26

		C19	C20, C28	C21	C22	C23, C24
COLUMN RING ARRANGEMENT						8T @ 150 c/c 5 SET RINGS + 1 - LINK
COLUMN REINFORCEMENT						600 / 900 ● 14-25T + ○ 8-20T
COLUMNS FROM TERRACE LVL. TO STAIR CABIN TOP LVL.	SIZE					600x900
	STEEL					12-20T + 10-16T
	STIRRUPS					8T@150 c/c
	CONC.MIX					M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK
COLUMN REINFORCEMENT		350 / 750 ● 2-25T + ○ 14-20T	525 / 900 ● 12-25T + ○ 8-20T	450 / 750 ● 8-20T + ○ 10-16T	450 / 750 ● 2-25T + ○ 14-20T	600 / 900 ● 14-25T + ○ 8-20T
COLUMNS FROM SLAB TOP TO TERRACE LVL.	SIZE	350x750	525x900	450x750	450x750	600x900
	STEEL	2-25T + 14-20T	12-25T + 8-20T	8-20T + 10-16T	2-25T + 14-20T	12-20T + 10-16T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK
COLUMN REINFORCEMENT		350 / 750 ● 2-25T + ○ 14-20T	525 / 900 ● 12-25T + ○ 8-20T	450 / 750 ● 8-20T + ○ 10-16T	450 / 750 ● 2-25T + ○ 14-20T	600 / 900 ● 14-25T + ○ 8-20T
COLUMNS FROM G.F. SLAB TO F.F. SLAB LVL.	SIZE	350x750	525x900	450x750	450x750	600x900
	STEEL	2-25T + 14-20T	12-25T + 8-20T	8-20T + 10-16T	2-25T + 14-20T	12-20T + 10-16T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 5 SET RINGS	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 5 SET RINGS + 1 - LINK
COLUMN REINFORCEMENT		350 / 750 ● 2-25T + ○ 14-20T	525 / 900 ● 12-25T + ○ 8-20T	450 / 750 ● 8-20T + ○ 10-16T	450 / 750 ● 2-25T + ○ 14-20T	600 / 900 ● 14-25T + ○ 8-20T
COLUMNS FROM FOUNDATION TO G.F. SLAB TOP	SIZE	350x750	525x900	450x750	450x750	600x900
	STEEL	2-25T + 14-20T	12-25T + 8-20T	8-20T + 10-16T	2-25T + 14-20T	12-20T + 10-16T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN MARKS		C19	C20, C28	C21	C22	C23, C24

		C27	C29	C30	C31	C36, C41
COLUMN RING ARRANGEMENT						
COLUMN REINFORCEMENT						
COLUMNS FROM TERRACE LVL. TO STAIR CABIN TOP LVL.	SIZE					
	STEEL					
	STIRRUPS					
	CONC.MIX					
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		450 / 750 ● 2-25T + ○ 14-20T	350 / 600 ● 12-20T + ○ 2-16T	450 / 750 ● 18-20T	750 ● 4-25T + ○ 12-20T	750 ● 16-20T
COLUMNS FROM SLAB TOP TO TERRACE LVL.	SIZE	450x750	350x600	450x750	350x750	350x750
	STEEL	2-25T + 14-20T	12-20T + 2-16T	18-20T	4-25T + 12-20T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		450 / 750 ● 2-25T + ○ 14-20T	350 / 600 ● 12-20T + ○ 2-16T	450 / 750 ● 18-20T	750 ● 4-25T + ○ 12-20T	750 ● 16-20T
COLUMNS FROM G.F. SLAB TO F.F. SLAB LVL.	SIZE	450x750	350x600	450x750	350x750	350x750
	STEEL	2-25T + 14-20T	12-20T + 2-16T	18-20T	4-25T + 12-20T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN RING ARRANGEMENT		8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 3 SET RINGS + 1 - LINK	8T @ 150 c/c 4 SET RINGS + 1 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK	8T @ 150 c/c 3 SET RINGS + 2 - LINK
COLUMN REINFORCEMENT		450 / 750 ● 2-25T + ○ 14-20T	450 / 600 ● 12-20T + ○ 2-16T	600 / 750 ● 18-20T	750 ● 4-25T + ○ 12-20T	750 ● 16-20T
COLUMNS FROM FOUNDATION TO G.F. SLAB TOP	SIZE	450x750	450x600	600x750	350x750	350x750
	STEEL	2-25T + 14-20T	12-20T + 2-16T	18-20T	4-25T + 12-20T	16-20T
	STIRRUPS	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c	8T@150 c/c
	CONC.MIX	M25	M25	M25	M25	M25
COLUMN MARKS		C27	C29	C30	C31	C36, C41

REVISION DETAILS :

NO	DATE	DETAILS
R0	04.01.2025	ISSUED FOR TENDER ONLY
R1	16.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :

PROJECT	HOSTEL PROPOSAL_EDI BHAT
DWG NAME	COLUMN SCHEDULE
PAPER/SCALE	NTS
DRAWN BY	P.R.M
CHECKED BY	VB
DATE	04-01-2025

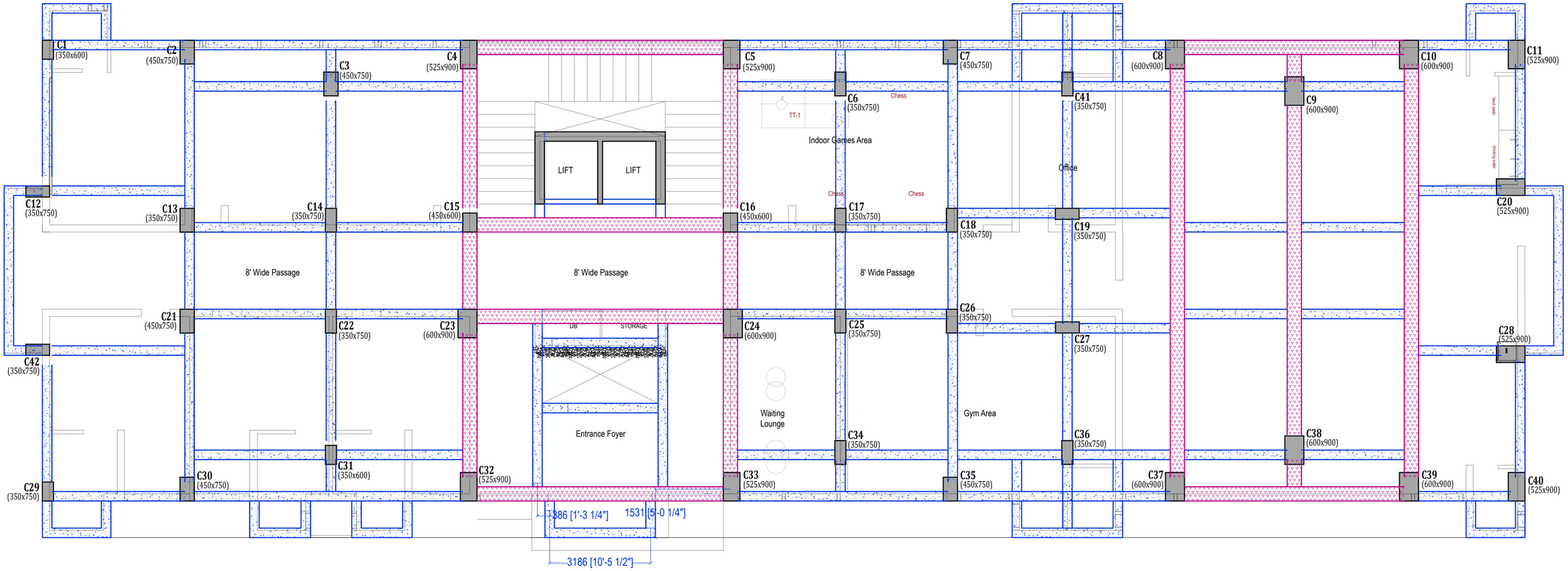
DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

SPECIFICATIONS/NOTES:-

1. ALL DIMENSIONS ARE IN MM.
2. ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.
3. FORM WORK GENERALLY BE REMOVED AFTER EXPIRY OF FOLLOWING PERIOD.
   - COLUMN AND VERTICAL FACES OF ALL STRUCTURAL MEMBERS : 24 TO 48 HOUR AS MAY BE DECIDED BY SITE ENGINEER.
   - SLABS (PROPS LEFT UNDER) : 3 DAYS.
   - BEAM SOFFITS (PROPS LEFT UNDER) : 7 DAYS.
   - REMOVAL OF PROPS UNDER SLAB.
     SPANNING UP TO 4250 : 7 DAYS.
     SPANNING ABOVE 4250 : 14 DAYS.
   - REMOVAL OF PROP UNDER BEAM.
     SPANNING UP TO 5500 : 14 DAYS.
4. THIS DRAWING HAS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING & ANY AMBIGUITY IN DIMENSIONS & DETAIL SHALL BE BROUGHT TO THE NOTICE OF CONSULTING ENGINEERS.
5. ALL CONCRETE WORK SHALL BE MACHINE MIXED & MACHINE VIBRATED & SHALL CONFORM M:30 CONCRETE MIX OTHER WISE STATED.
6. ALL REINFORCEMENT WORK SHALL CHECKED & APPROVED BY CONSULTING ENGINEER.
7. ALL CONCRETE WORK SHALL BE CURED FOR MINIMUM 14 DAYS.
8. STRUCTURE IS DESIGNED FOR G+5.
9. DIMENSION AS PER ARCHITECTURE DRAWING
10. CLEAR COVER TO MAIN REINFORCEMENT FOR
    (a) COLUMN = 40mm
    (b) BEAM = 25mm
    (c) SLAB = 20mm
11. GRADE OF CONCRETE = M30



STRUCTURAL LAYOUT FOR GROUND FLOOR SLAB

LEGENDS :-

BEAM 300x600

BEAM 450x900

GENERAL NOTES :

1. All Dimensions are in milli-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **AXEES CONSULTQANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	15.10.2024	ISSUED FOR TENDER ONLY
R1	29.11.2024	ISSUED FOR TENDER ONLY
R2	04.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :

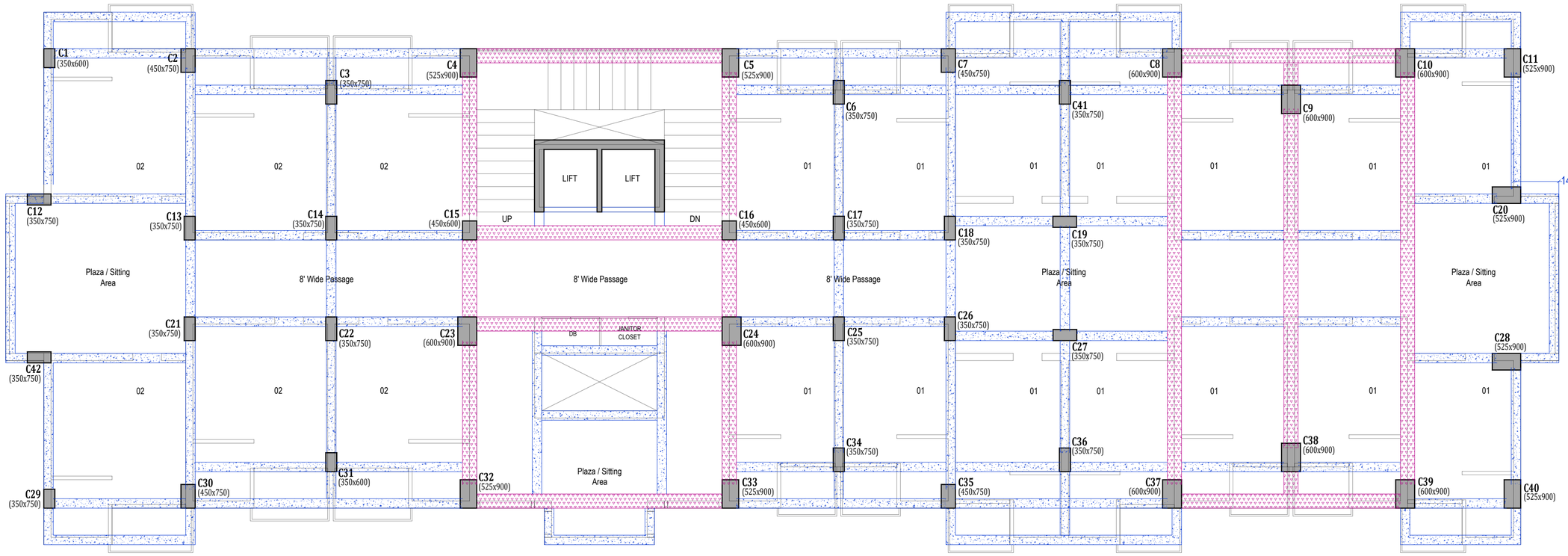
PROJECT	HOSTEL PROPOSAL_EDI BHAT
DWG NAME	STRUCTURAL LAYOUT AT GROUND FLOOR SLAB
PAPER/SCALE	NTS
DRAWN BY	P.R.M
CHECKED BY	VB
DATE	15-10-2024

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

AXEES consultants



STRUCTURAL LAYOUT FOR FIRST FLOOR SLAB

LEGENDS :-

BEAM 300x600

BEAM 450x900

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **AXEES CONSULTQANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	15.10.2024	ISSUED FOR TENDER ONLY
R1	29.11.2024	ISSUED FOR TENDER ONLY
R2	04.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :

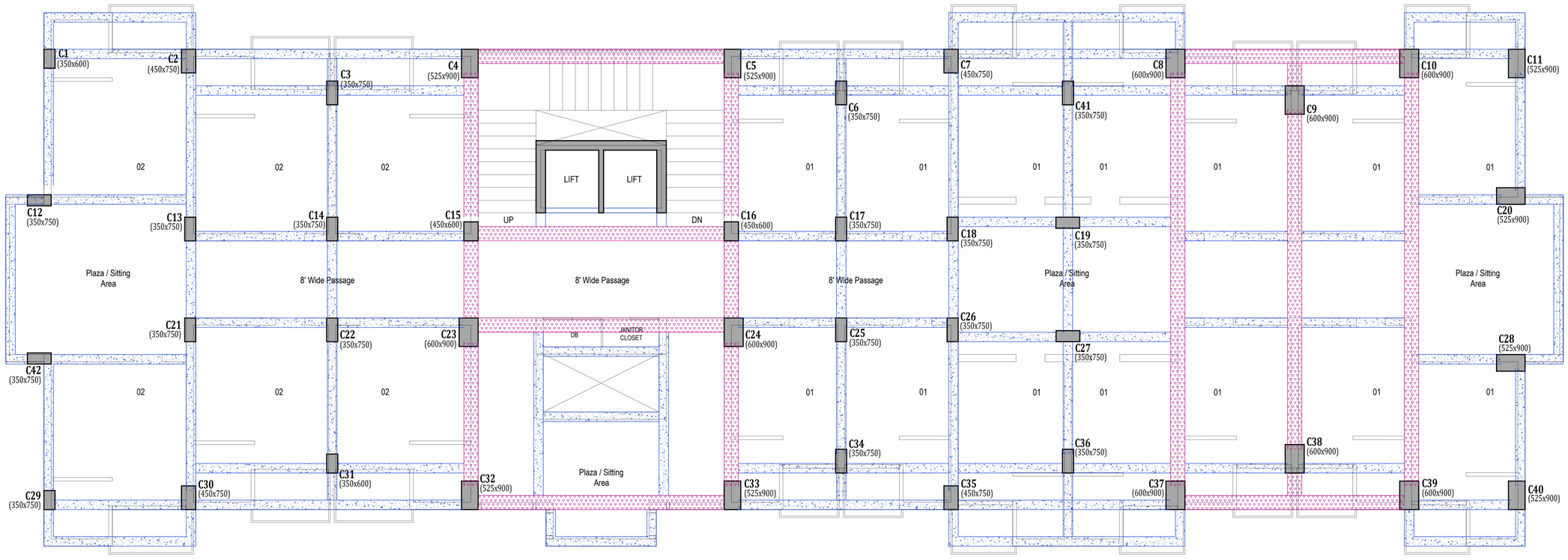
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**STRUCTURAL LAYOUT AT FIRST FLOOR SLAB**
PAPER/SCALE	**P.R.M**
DRAWN BY	**VB**
CHECKED BY	**15-10-2024**
DATE	

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

AXEES consultants



STRUCTURAL LAYOUT FOR SECOND FLOOR SLAB

LEGENDS :-

BEAM 300x600

BEAM 450x900

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **AXEES CONSULTQANTS**. The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	15.10.2024	ISSUED FOR TENDER ONLY
R1	29.11.2024	ISSUED FOR TENDER ONLY
R2	04.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :

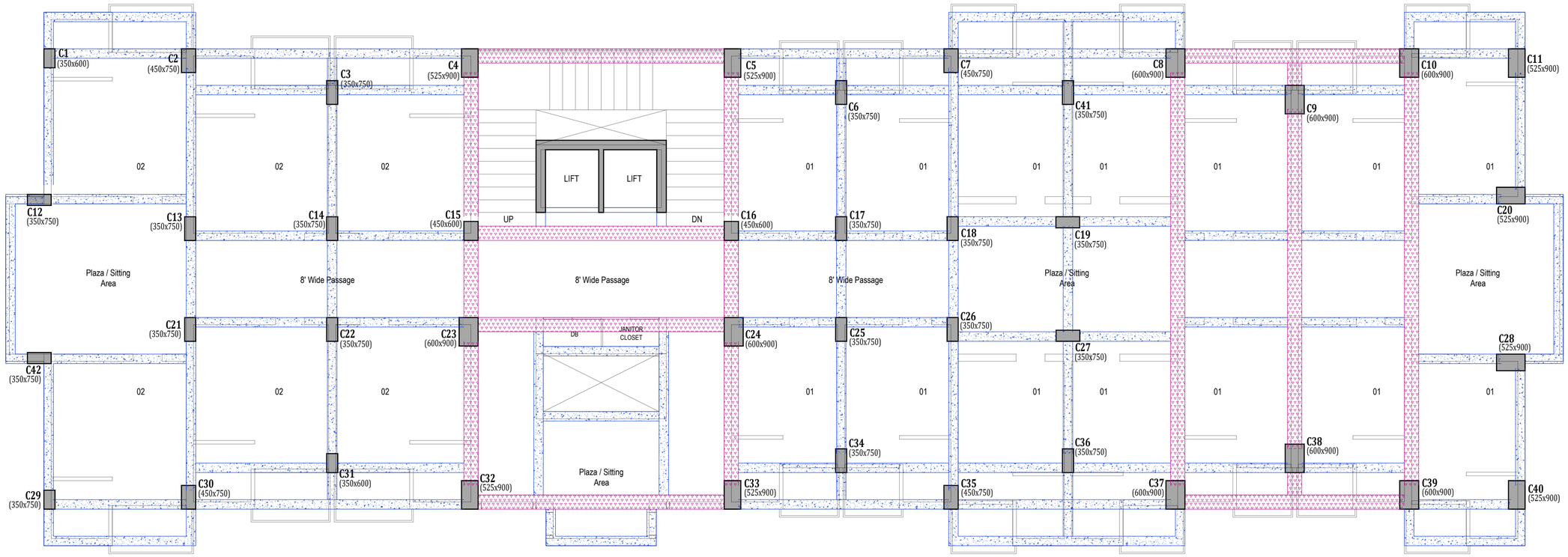
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**STRUCTURAL LAYOUT SECOND FLOOR SLAB**
PAPER/SCALE	**NTS**
DRAWN BY	**P.R.M**
CHECKED BY	**VB**
DATE	**15-10-2024**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

AXEES consultants



STRUCTURAL LAYOUT FOR THIRD FLOOR SLAB

LEGENDS :-

BEAM 300x600

BEAM 450x900

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **AXEES CONSULTQANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	15.10.2024	ISSUED FOR TENDER ONLY
R1	29.11.2024	ISSUED FOR TENDER ONLY
R2	04.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :

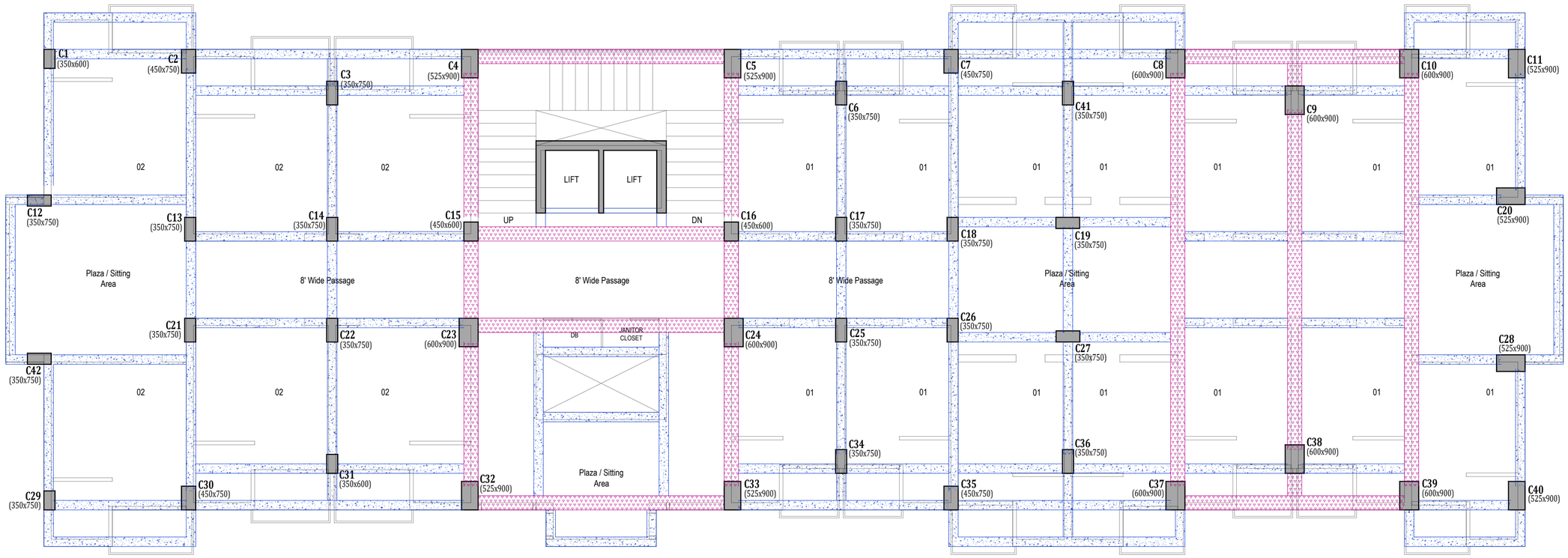
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**STRUCTURAL LAYOUT AT THIRD FLOOR SLAB**
PAPER/SCALE	**NTS**
DRAWN BY	**P.R.M**
CHECKED BY	**VB**
DATE	**15-10-2024**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

AXEES consultants



STRUCTURAL LAYOUT FOR FOURTH FLOOR SLAB LVL.

LEGENDS :-

BEAM 300x600

BEAM 450x900

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **AXEES CONSULTQANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	15.10.2024	ISSUED FOR TENDER ONLY
R1	29.11.2024	ISSUED FOR TENDER ONLY
R2	04.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :

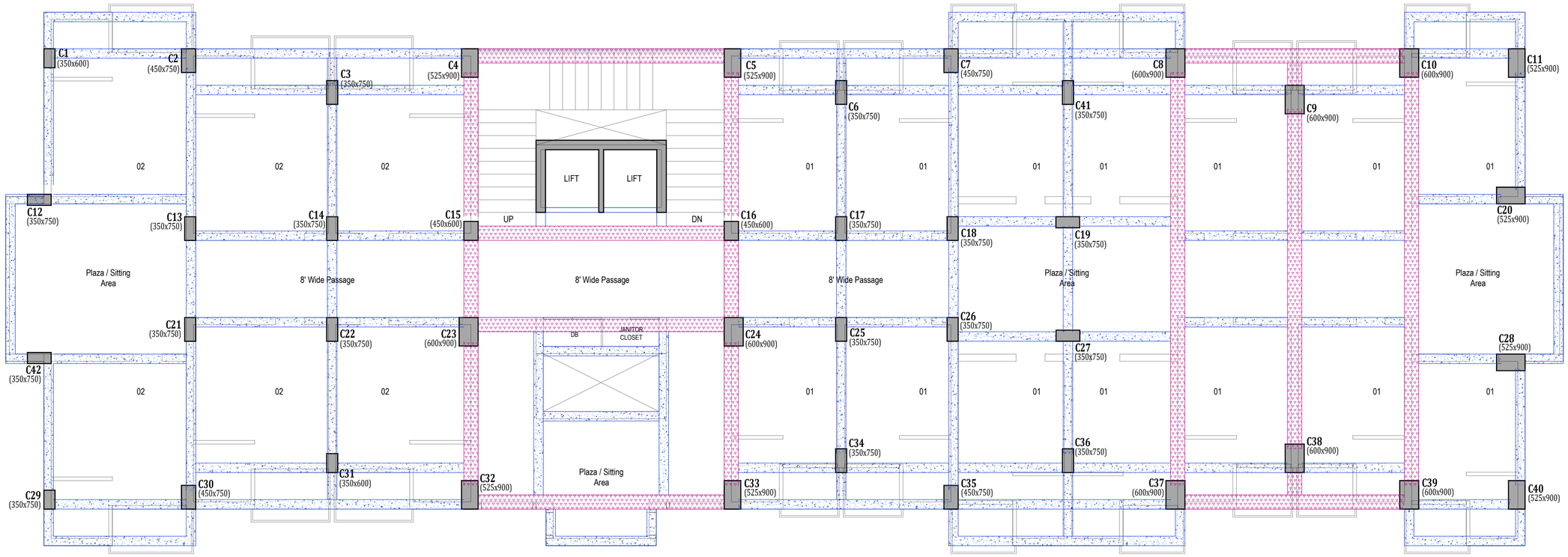
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**STRUCTURAL LAYOUT AT FOURTH FLOOR SLAB**
PAPER/SCALE	**NTS**
DRAWN BY	**P.R.M**
CHECKED BY	**VB**
DATE	**15-10-2024**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

AXEES consultants



STRUCTURAL LAYOUT FOR TERRACE LVL.

LEGENDS :-

BEAM 300x600

BEAM 450x900

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **AXEES CONSULTQANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	15.10.2024	ISSUED FOR TENDER ONLY
R1	29.11.2024	ISSUED FOR TENDER ONLY
R2	04.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :

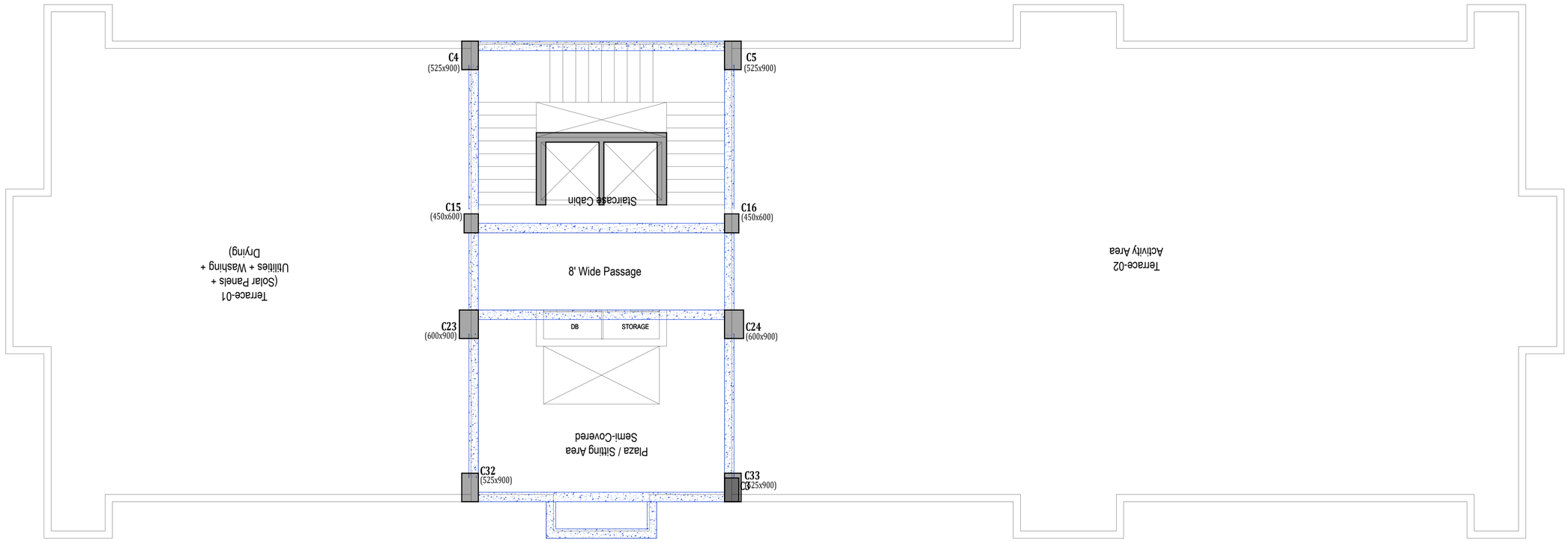
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**STRUCTURAL LAYOUT AT TERRACE FLOOR SLAB**
PAPER/SCALE	**NTS**
DRAWN BY	**P.R.M**
CHECKED BY	**VB**
DATE	**15-10-2024**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

AXEES consultants



STRUCTURAL LAYOUT AT STAIR CABIN TOP LVL.

LEGENDS :-

BEAM 300x600

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **AXEES CONSULTQANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	15.10.2024	ISSUED FOR TENDER ONLY
R1	29.11.2024	ISSUED FOR TENDER ONLY
R2	04.01.2025	ISSUED FOR TENDER ONLY

DRAWING DETAILS :

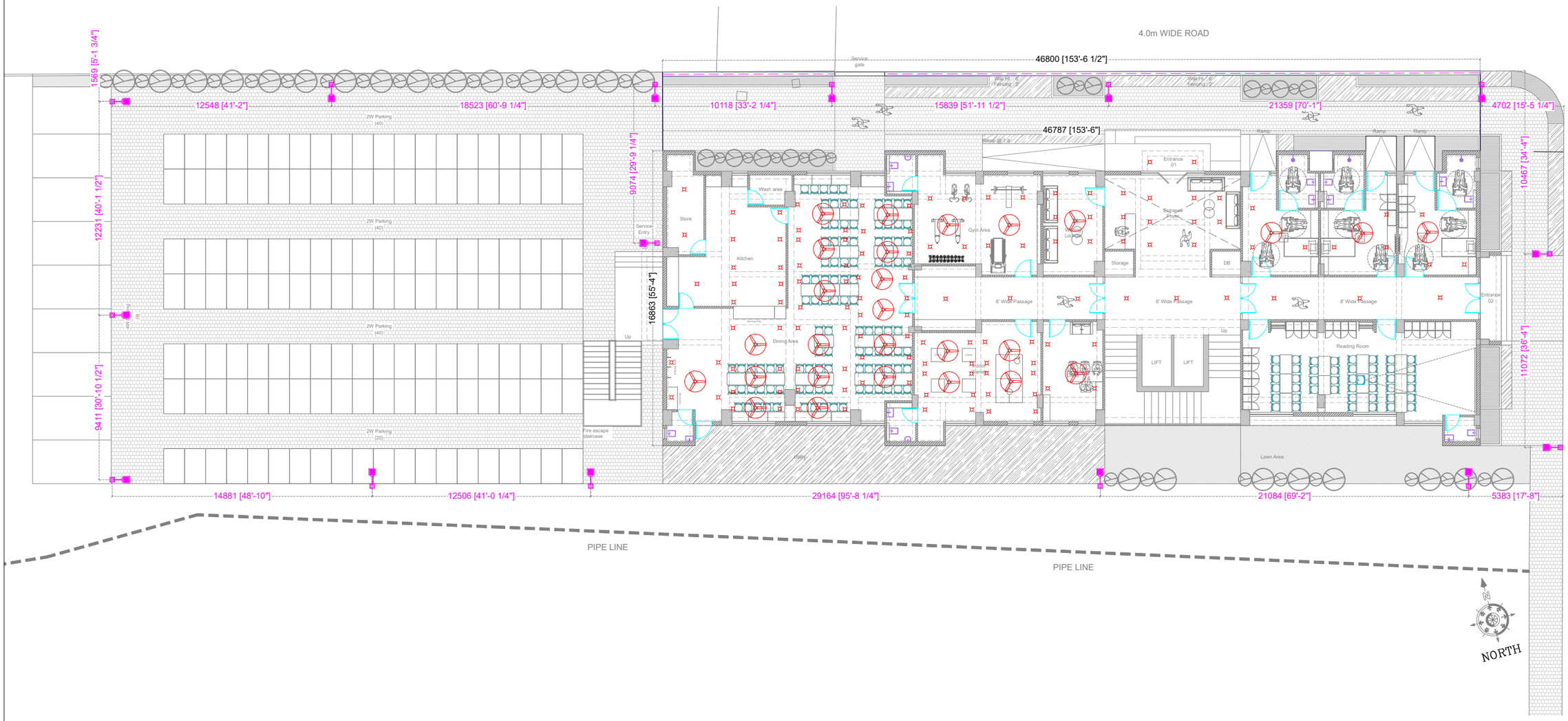
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**STRUCTURAL LAYOUT AT STAIR CABIN TOP SLAB**
PAPER/SCALE	**NTS**
DRAWN BY	**P.R.M**
CHECKED BY	**VB**
DATE	**15-10-2024**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

AXEES CONSULTANTS

AXEES consultants



GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**SITE PLAN (ELE)**
PAPER/SCALE	**NTS**
DRAWN BY	**VAIDIK**
CHECKED BY	**VAIDIK**
DATE	**02-01-2025**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
ph: 079 26651217
e-mail: info@collaborativedesign.in

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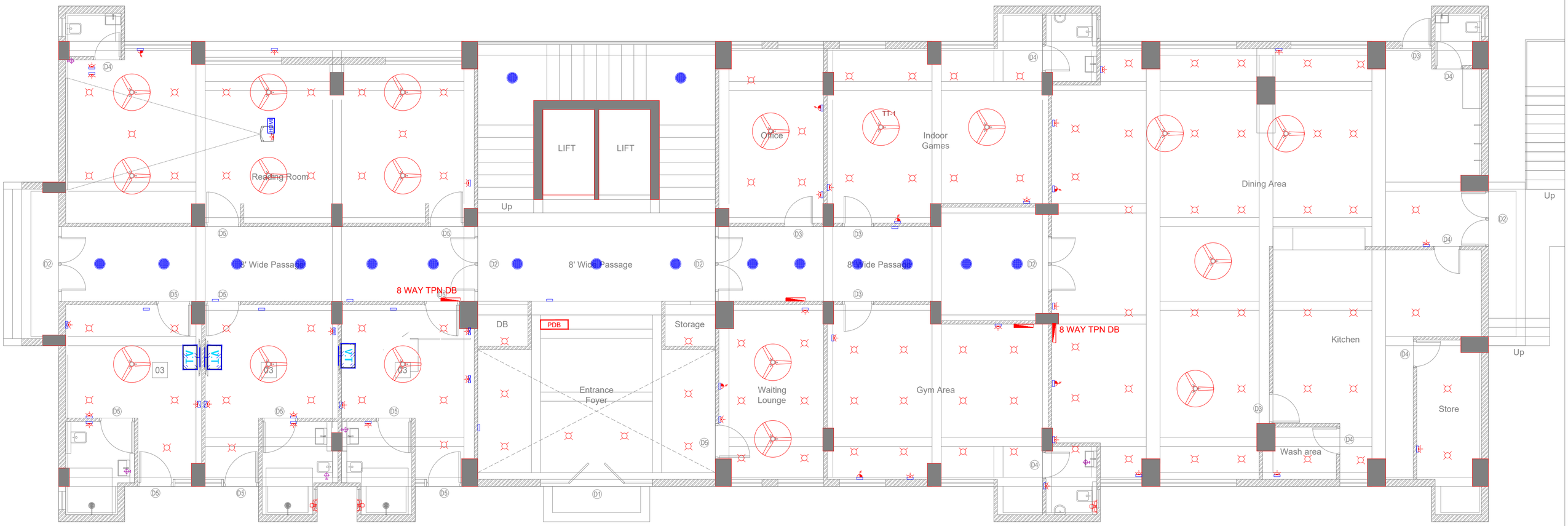

Sr. No.	SYMBOL	DESCRIPTION
1		LIGHTING DISTRIBUTION BOARD
2		6A PLUG POINT WITH 6A SWITCH
3		16A PLUG POINT WITH 16A SWITCH
4		SWITCH BOARD AT 1200 MM
5		SWITCH BOARD AT 900 MM
6		SWITCH BOARD AT 525 MM
7		CEILING FAN WITH FAN BOX
8		18W COB LIGHT
9		WALL LIGHT POINT 3' BELOW BEAM
10		15W SURFACE LIGHT
11		AC POINT
12		EXHAUST FAN POINT WITH PLUG SOCKET
13	TV	TV SB-1nos 5A Socket at 1200mm,2nos of 5A Socket and Switch and TV Point at 750mm height
14	HDMI	HDMI CABLE

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR PLAN (ELE)**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**02-01-2025**

DESIGN CONSULTANT :
COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
ph: 079 26651217
e-mail: info@collaborativedesign.in

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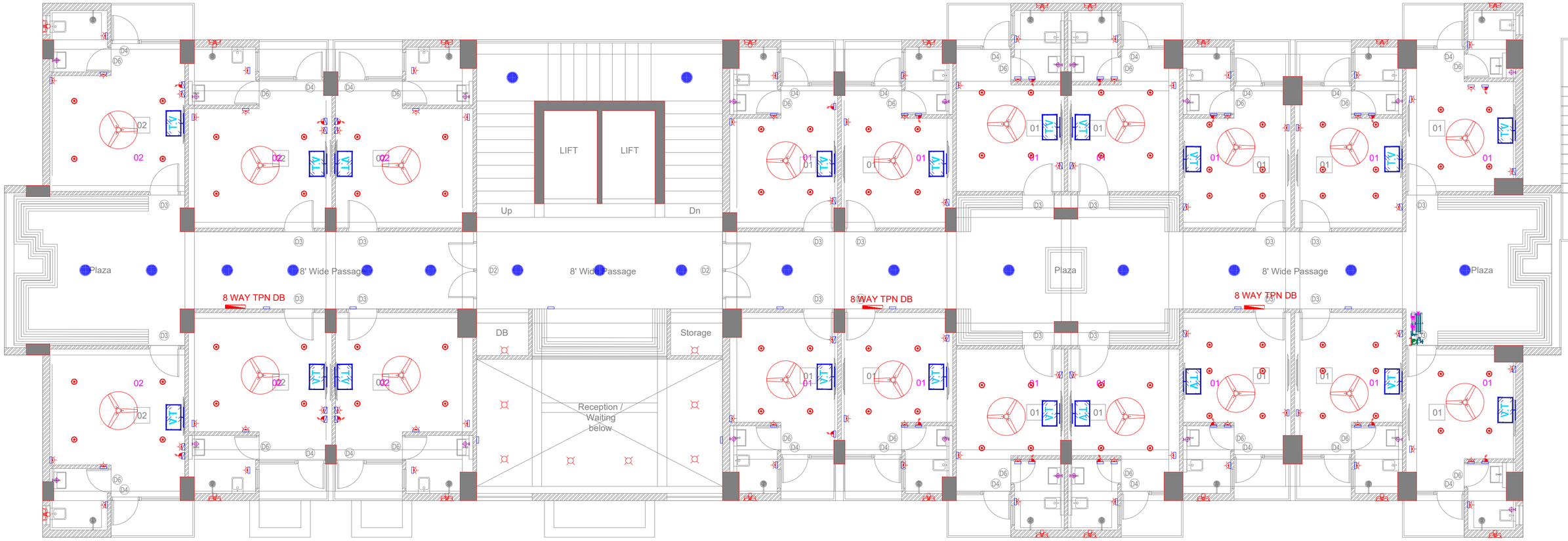

Sr. No.	SYMBOL	DESCRIPTION
1		LIGHTING DISTRIBUTION BOARD
2		6A PLUG POINT WITH 6A SWITCH
3		16A PLUG POINT WITH 16A SWITCH
4		SWITCH BOARD AT 1200 MM
5		SWITCH BOARD AT 900 MM
6		SWITCH BOARD AT 525 MM
7		CEILING FAN WITH FAN BOX
8		18W COB LIGHT
9		WALL LIGHT POINT 3' BELOW BEAM
10		15W SURFACE LIGHT
11		AC POINT
12		EXHAUST FAN POINT WITH PLUG SOCKET
13	TV	TV SB-1nos 5A Socket at 1200mm,2nos of 5A Socket and Switch and TV Point at 750mm height
14	HDMI	HDMI CABLE

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TYPICAL FLOOR PLAN (ELE)**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**02-01-2025**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
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e-mail: info@collaborativedesign.in

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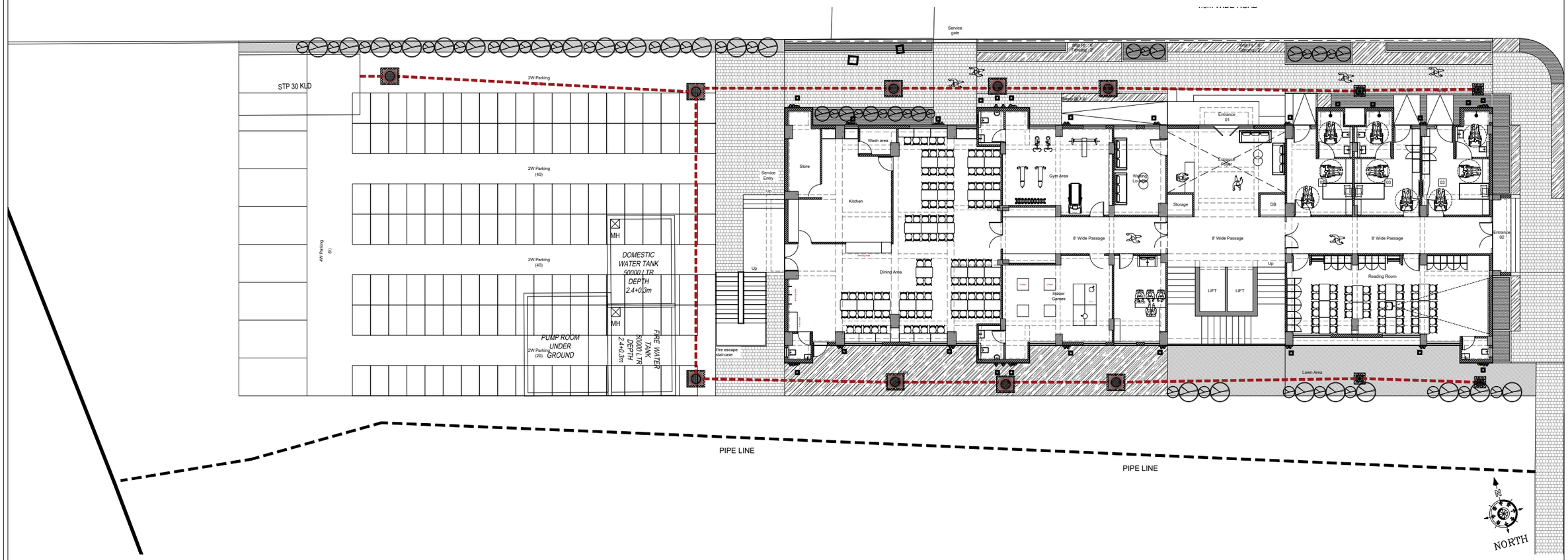

ABBREVIATION	LEGEND	DESCRIPTION
IC		Inspection Chamber 450mm x 450mm Inside Dimension 150mm thick Wall
GT		SW Gully Trap 300mm x 300mm 150mm x 100mm P-trap
	--	SOIL WATER FOAM CORE SN8 PIPE
MH		Inspection Chamber 450mm x 450mm Inside Dimension 150mm thick Wall

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	03.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**SITE PLAN**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**03-01-2025**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
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e-mail: info@collaborativedesign.in

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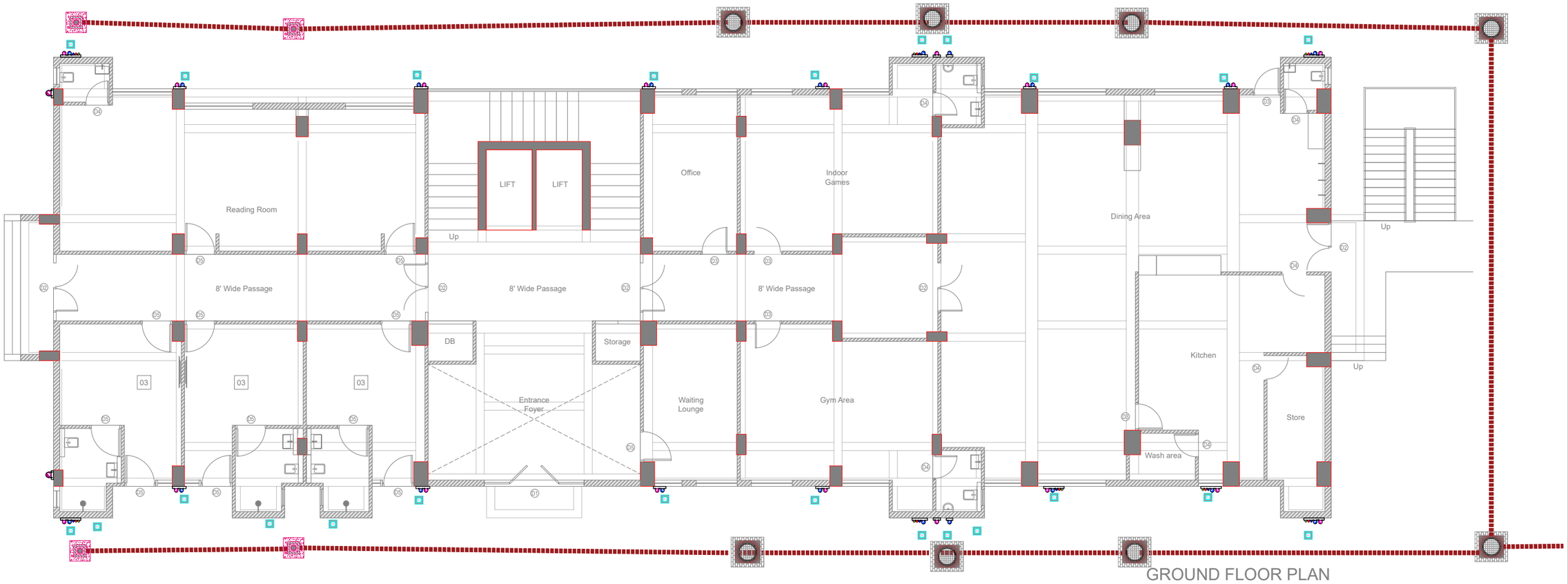


ABBREVIATION	LEGEND	DESCRIPTION
IC		Inspection Chamber 450mm x 450mm Inside Dimension 150mm thick Wall
GT		SW Gully Trap 300mm x 300mm 150mm x 100mm P-trap
	---	SOIL WATER FOAM CORE SN8 PIPE
MH		Inspection Chamber 450mm x 450mm Inside Dimension 150mm thick Wall

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

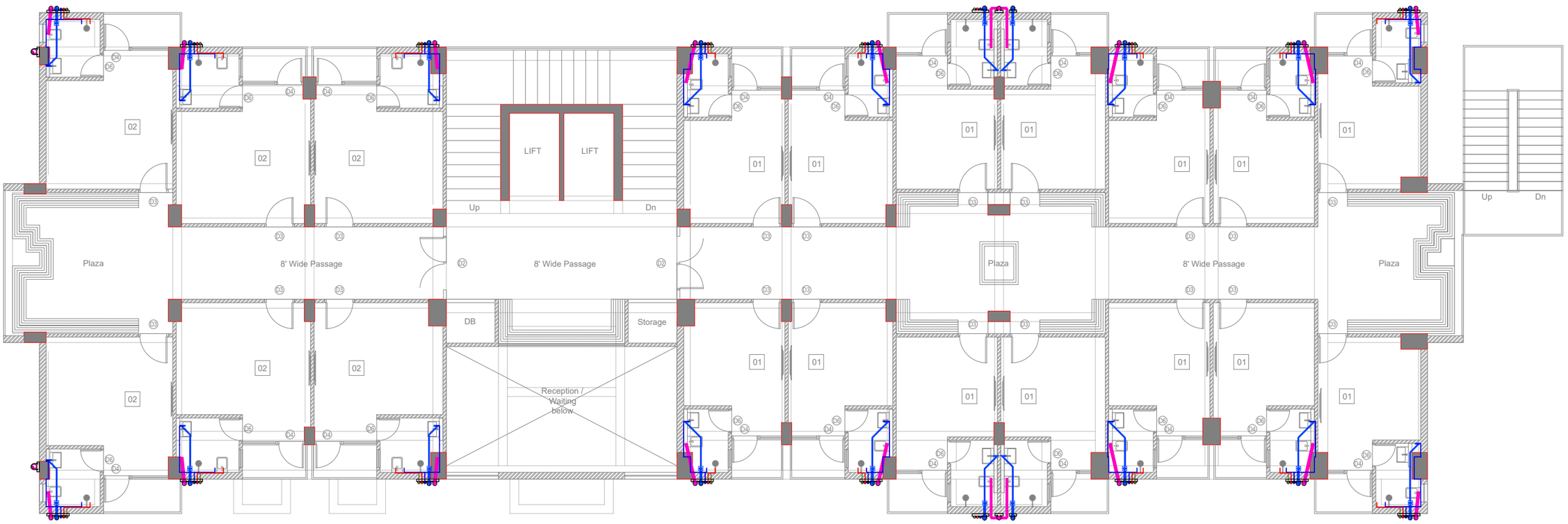
PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR PLAN (PLUMBING)**
PAPER/SCALE	**NTS**
DRAWN BY	**VAIDIK**
CHECKED BY	**VAIDIK**
DATE	**02-01-2025**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
ph: 079 26651217
e-mail: info@collaborativedesign.in

collaborative_design



ABBREVIATION	LEGEND	DESCRIPTION
IC		Inspection Chamber 450mm x 450mm Inside Dimension 150mm thick Wall
GT		SW Gully Trap 300mm x 300mm 150mm x 100mm P-trap
		SOIL WATER FOAM CORE SN8 PIPE
MH		Inspection Chamber 450mm x 450mm Inside Dimension 150mm thick Wall

ABBREVIATION	LEGEND	DESCRIPTION
MFT		Multi Floor trap
FT		Floor trap(P-Trap)
CV		Control Valve
AV		Angle Valve
HF		Health Faucet
2WB		2-Way Bib-Cock
DWS		Domestic Water Supply Pipe

ABBREVIATION	LEGEND	DESCRIPTION
SWD		110Ø Soil Water Downtake Pipe
WWD		110Ø Waste Water Downtake Pipe
DWS		Domestic Water Supply Downtake Pipe
RWD		110Ø Rain Water Downtake Pipe
SWP		110Ø Soil Water Pipe
WWP		110Ø Waste Water Pipe
WWP		50Ø Waste Water Pipe

GENERAL NOTES :

1. All Dimensions are in mili-meter..
2. Windows & doors sizes are of inside clear.
3. Drawing to be read only not to be measured.
4. Please read all dimension carefully & if any discrepancy /ambiguity please contact architect's office immediately.
5. This drawing is for execution.
6. Providing work and finishing quality is contractor's responsibility.
7. This drawing is property of **COLLABORATIVE DESIGN/AXESS CONSULTANTS.** The drawing should not be used anywhere without prior consent.

REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TYPICAL FLOOR PLAN (PLUMBING)**
PAPER/SCALE	**NTS**
DRAWN BY	**VAIDIK**
CHECKED BY	**VAIDIK**
DATE	**02-01-2025**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN
613, Pushti heights, Nr. Subhash chowk, Memnagar, ahmedabad-380006.
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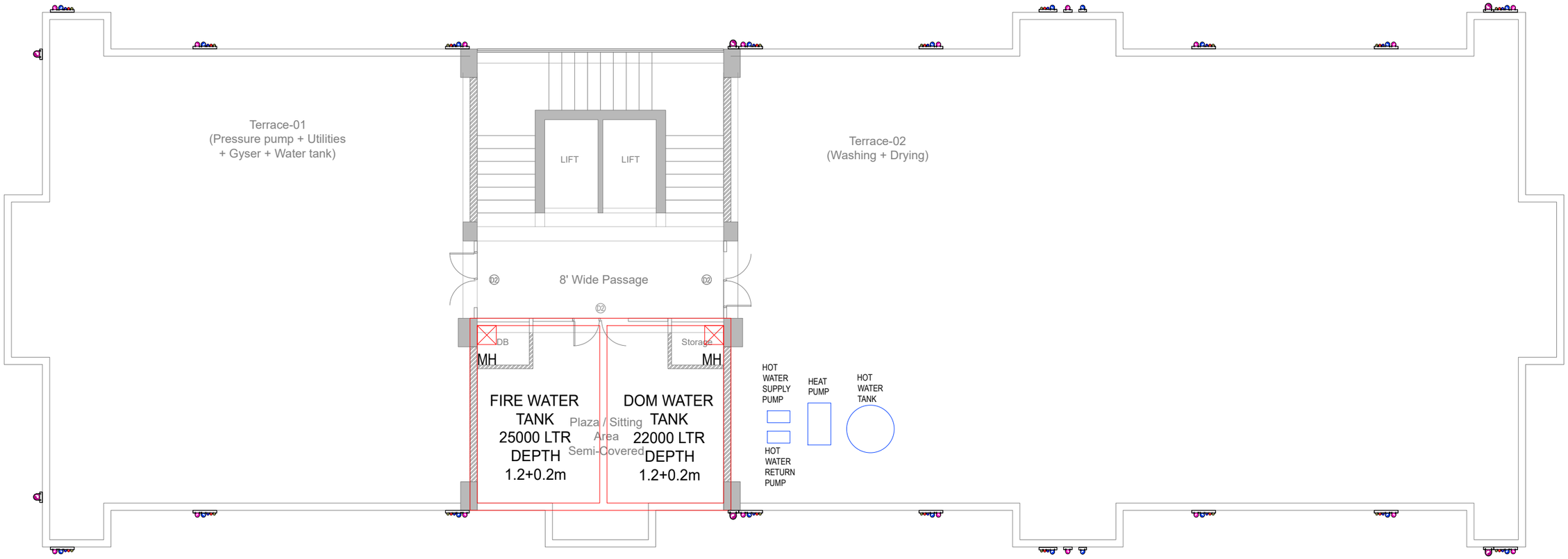

TERRACE FLOOR PLAN

ABBREVIATION	LEGEND	DESCRIPTION
IC		Inspection Chamber 450mm x 450mm Inside Dimension 150mm thick Wall
GT		SW Gully Trap 300mm x 300mm 150mm x 100mm P-trap
		SOIL WATER FOAM CORE SN8 PIPE
MH		Inspection Chamber 450mm x 450mm Inside Dimension 150mm thick Wall

ABBREVIATION	LEGEND	DESCRIPTION
MFT		Multi Floor trap
FT		Floor trap(P-Trap)
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REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TERRACE FLOOR PLAN (PLUMBING)**
PAPER/SCALE	**NTS**
DRAWN BY	**VAIDIK**
CHECKED BY	**VAIDIK**
DATE	**02-01-2025**

DESIGN CONSULTANT :

COLLABORATIVE DESIGN

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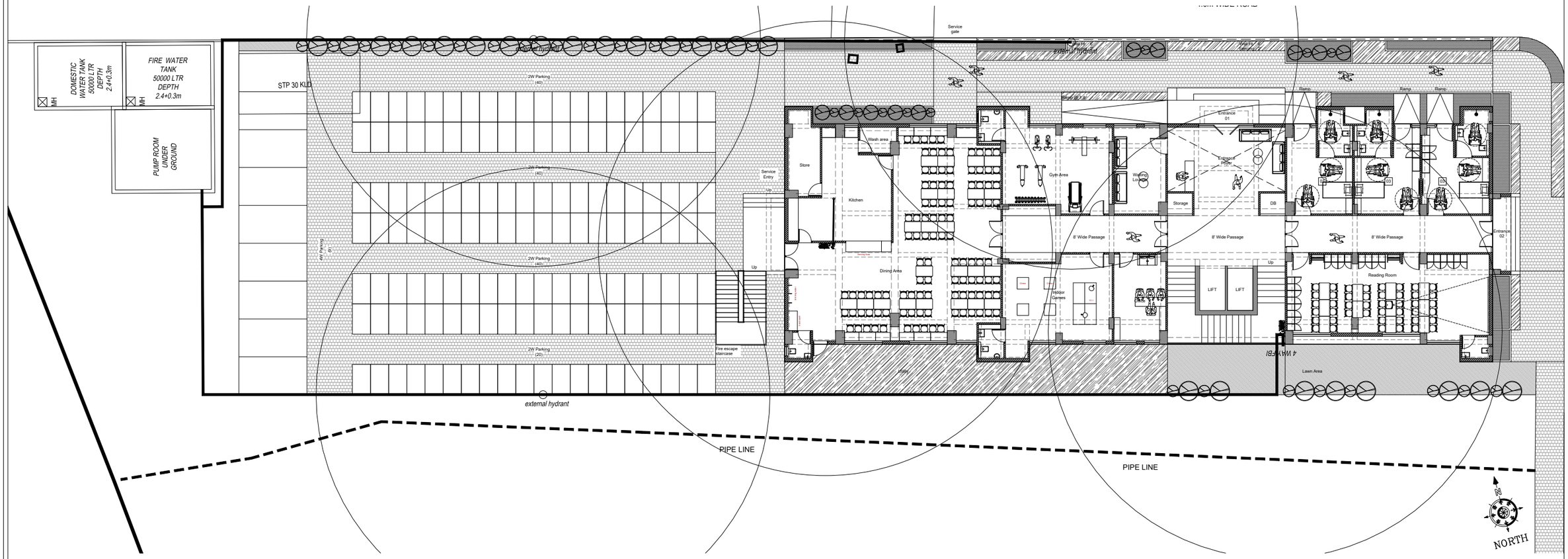

LEGENDS

	MS HYDRANT PIPE
	FIRE HOSE CABINET WITH SINGLE OUTLET LANDING VALVE, 2 NOS. RRL HOSE PIPES, BRANCH PIPE WITH NOZZLE & FIRST AID HOSE REEL CO2-4.5KG ABC-4.5 KG

GENERAL NOTES :

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REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	03.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**SITE PLAN (fire)**
PAPER/SCALE	**NTS**
DRAWN BY	**PARTH**
CHECKED BY	**BM**
DATE	**03-01-2025**

DESIGN CONSULTANT :

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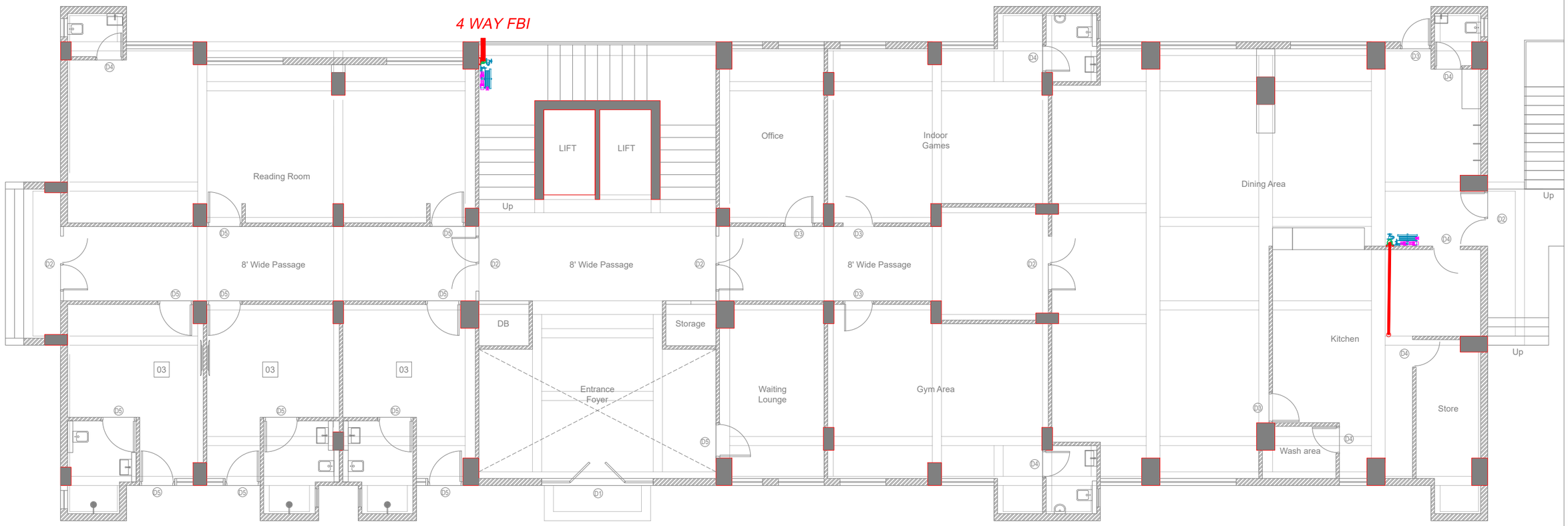

LEGENDS	
	MS HYDRANT PIPE
	FIRE HOSE CABINET WITH SINGLE OUTLET LANDING VALVE, 2 NOS. RRL HOSE PIPES, BRANCH PIPE WITH NOZZLE & FIRST AID HOSE REEL CO2-4.5KG ABC-4.5 KG

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REVISION DETAILS :

NO	DATE	DETAILS
R0	18.11.2024	ISSUED FOR APPROVAL
R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**GROUND FLOOR PLAN (FIRE)**
PAPER/SCALE	**NTS**
DRAWN BY	**VAIDIK**
CHECKED BY	**VAIDIK**
DATE	**02-01-2025**

DESIGN CONSULTANT :

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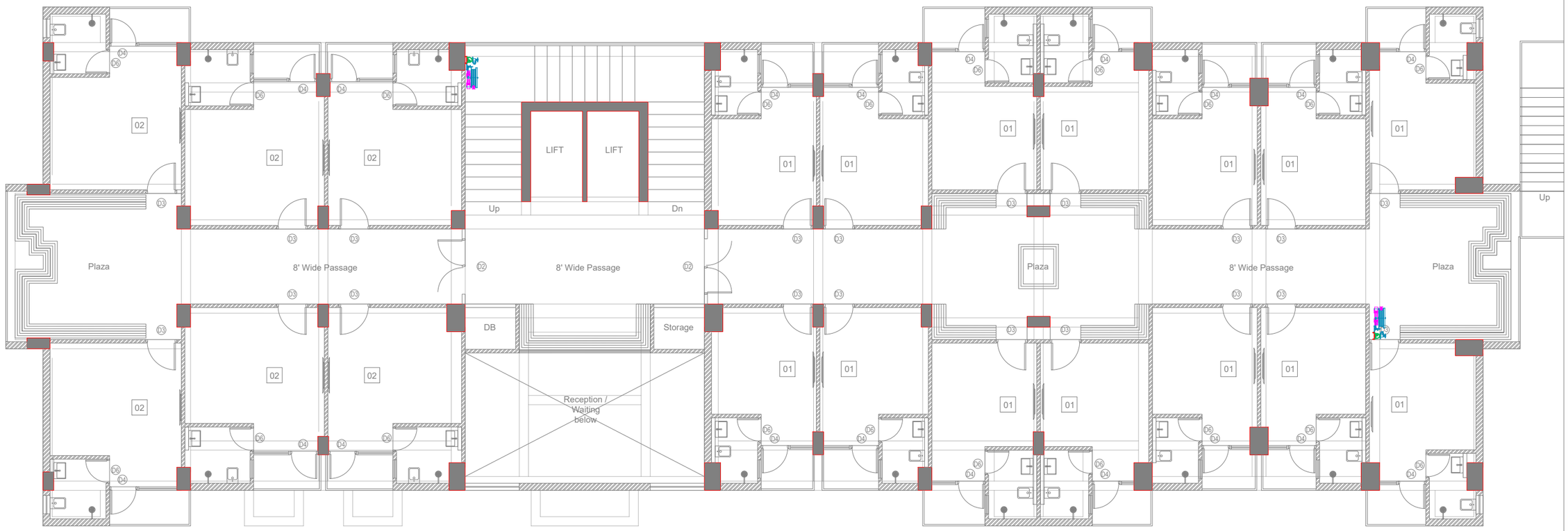

LEGENDS

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	FIRE HOSE CABINET WITH SINGLE OUTLET LANDING VALVE, 2 NOS. RRL HOSE PIPES, BRANCH PIPE WITH NOZZLE & FIRST AID HOSE REEL CO2-4.5KG ABC-4.5 KG

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R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TYPICAL FLOOR PLAN (FIRE)**
PAPER/SCALE	**NTS**
DRAWN BY	**VAIDIK**
CHECKED BY	**VAIDIK**
DATE	**02-01-2025**

DESIGN CONSULTANT :
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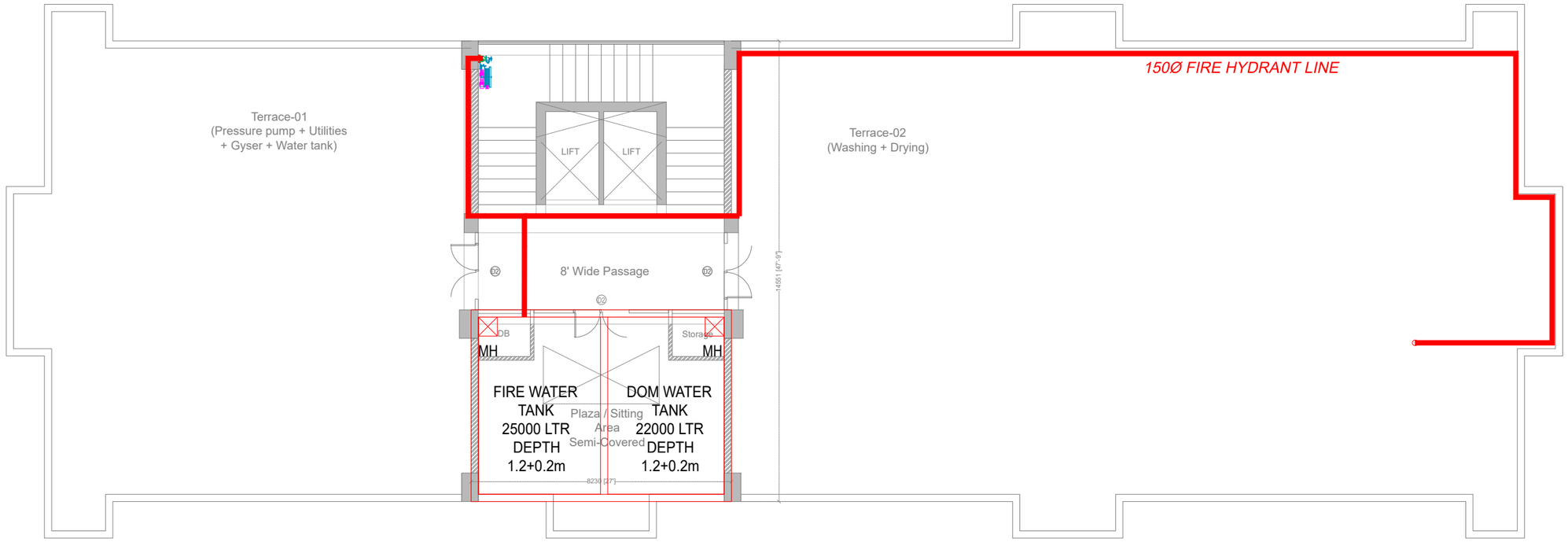

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R0	18.11.2024	ISSUED FOR APPROVAL
R1	02.01.2025	ISSUED FOR APPROVAL

DRAWING DETAILS :

PROJECT	**HOSTEL PROPOSAL_EDI BHAT**
DWG NAME	**TERRACE FLOOR PLAN (FIRE)**
PAPER/SCALE	**NTS**
DRAWN BY	**VAIDIK**
CHECKED BY	**VAIDIK**
DATE	**02-01-2025**

DESIGN CONSULTANT :

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