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Government of Maharashtra  
Skill, Employment, Entrepreneurship and Innovation Department

Directorate of Vocational Education and Training (DVET), Maharashtra State

**Request for Proposal Document for**

***Selection of Project Management Consultant for  
Design, Engineering, Supply, Erection and Commissioning  
of prefab building structure/s  
for 151 ITI in Maharashtra State***

Tender No: TE-25003(R)/2025 –2026

Last Date for Submission of Proposal: 21/08/2025 up to 11:00 Hours

Non-Transferable

Website: <https://www.dvet.gov.in>

**Directorate of Vocational Education and Training, Maharashtra State**

3, Mahapalika Marg, Elphinstone Technical High School Campus,  
Opp Metro Cinema, Mumbai- 400001

Tel No. (022) 49571201; E-mail: desk13@dvet.gov.in ; www.dvet.gov.in



# Tender Notice

Physically sealed tenders (Two Bid System) as per tendering system are invited by office of Directorate of Vocational Education and Training (DVET), Maharashtra State, from registered consultant with Public Works Department, Government of Maharashtra as the Project Management Consultant for project management of following items required in various Government Industrial Training Institutes under the jurisdiction of the Directorate in Maharashtra State.

Tender Notice Details	
Tender Reference No	TE-25003(R)/2025-26
Name of the Work/ Item	Design, Engineering, Supply, Erection and Commissioning of prefab building structure/s for ITI in Maharashtra State at Consignee Locations
Scope of work	As per scope of work mentioned in tender document
Place of Pre-bid Meeting and Opening of Tender Offers	Conference Hall, 4 <sup>th</sup> Floor Directorate of Vocational Education and Training 3, Mahapalika Marg, Elphinstone Technical High School Campus, Metro Chouk, Mumbai 400001
Address for Communication	Desk 13 (Purchase Section) Directorate of Vocational Education and Training 3, Mahapalika Marg, Elphinstone Technical High School Campus, Metro Chouk, Mumbai 400001
Contact Email ID	<a href="mailto:desk13@dvvet.gov.in">desk13@dvvet.gov.in</a>

Tender Schedule			
S.N.	Event	Date	Time
1	Release of tender on <a href="http://www.dvvet.gov.in">www.dvvet.gov.in</a> website	13/08/2025	18:00 Hrs
3	Physical Bid Submission at DVET End Date	21/08/2025	11:00 Hrs
4	Opening of Technical Bid	21/08/2025	11:30 Hrs
5	Evaluation of Technical Bid	21/08/2025	14:00 Hrs

Note: All bidder(s) interested in participating in the Tendering process are required to regularly visit the website of the Directorate [www.dvvet.gov.in](http://www.dvvet.gov.in) for getting updates about the tender process.

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## DISCLAIMER

- (1) Directorate of Vocational Education and Training (DVET) is issuing this bid document for inviting proposal for project management of the goods specified in the scope of the work. The Bid Document comprises of terms and conditions set forth in this bid document or that may be provided subsequently to bidder(s) whether in documentary form signed by the any authorized officers of DVET or on official websites of this directorate.
- (2) Bidder shall carefully examine and analyze the bid document and bring to the notice of DVET any error, omission or inaccuracies therein that are apparent and to carry out its own investigation with respect to all matters related to this bid, seek professional advice on technical, financial, legal, regulatory and taxation matters and satisfy himself of consequences of entering into any agreement and/or arrangement relating to supply of store.
- (3) The information contained in this "Bid Document" or subsequent provided to Bidder(s) (as hereinafter defined), whether verbally or in documentary or any other form by or on behalf of DVET under Skills, Employment, Entrepreneurship & Innovation Department, GoM or any of its employees or advisers, is provided to the Bidder(s) on the terms and conditions set out in this "Bid Document" and such other terms and conditions subject to which such information is provided.
- (4) While this "Bid Document" has been prepared in good faith, neither the DVET nor its employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP, even if any loss or damage is caused by any act or omission on their part.
- (5) This bid document may not be appropriate for all persons. It is not possible for DVET, to consider the investment objectives, financial situation, and particular needs of each bidder who reads or uses this bid document.
- (6) Each bidder shall conduct its own investigations and analysis and shall check the accuracy, reliability, and completeness of the information in this bid document and where necessary obtain independent advice from appropriate sources.
- (7) This document is not transferable, and this "Bid Document" does not purport to contain all the information that each Bidder may require and accordingly is not intended to form the basis of any investment decision or any other decision to participate in the bidding process for the selection of the selected industry partner for this project. Each bidder should conduct his own investigations and analysis and check the accuracy, reliability and completeness of the information in this document and obtain independent advice from appropriate sources.
- (8) Though adequate care has been taken while preparing this bid document, the bidder shall satisfy himself that the document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately.
- (9) The DVET may modify, amend, reject or supplement this bid document in accordance with norms and procedures and as per the requirement of the project. DVET reserves the right to waive any irregularity in the bid document and makes it clear that the bid document is not an offer/ Agreement.
- (10) Information provided in this bid document to the Bidder may be on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The DVET accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.
- (11) Neither DVET nor its employees shall be liable to any bidder or any other person under any law including the law of agreement, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise, or be incurred, or suffered, in connection with this RFP document, or any matter that may be deemed to form part of this bid document, or the award of the agreement, or any other information supplied by the DVET or their employees or consultants or otherwise arising in any way from the selection process for the award of the agreement for the project.
- (12) The DVET is not bound to accept any or all the proposals. DVET reserves the right to reject any or all the proposals without assigning any reasons. No bidder shall have any cause for action or claim against DVET or its officers, employees, successors, or assignees for rejection of his bid. The bids and the bid documents

submitted by the bidder will be the property of DVET.

(13) No representation or warranty is given as to the reasonableness of forecasts or the assumptions on which this bid document may be based. Liability therefore, if any, is hereby expressly disclaimed.

(14) DVET may in their absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this bid document as per its requirements.

## DEFINITIONS, ABBREVIATIONS AND ACRONYMS

In this tender document, the following terms shall be interpreted as indicated below:

1. **“Vendor or Consultant or Service Provider”** shall mean the successful bidder to whom the contract has been awarded and/or with whom the Tendering Authority signs the contract for rendering of goods and services.
2. **“Contract”** means the agreement entered into between the Tendering Authority and the Vendor, as recorded in the document signed by the parties, including all the attachments and appendices thereto, and all documents incorporated by the reference therein.
3. **“Bidder”** means any firm taking the full responsibility of managing the project as required in the tender. The word “Bidder” when used in the pre award period shall be synonymous with “Vendor” which shall be used after award of the contract.
4. **“The Contract Price”** means the price payable/receivable to the Successful Bidder under the Contract for the full and proper performance of its contractual obligations.
5. **“The Services”** means services ancillary to the Design, Engineering, Supply, Erection and Commissioning of prefab building structure/s for ITI in Maharashtra State, any other incidental services or any other obligations of the Vendor covered under the Contract.
6. **“Day”** means a working day.
7. **“Month”** means calendar month.
8. **“Week”** means seven consecutive days.
9. **“Tendering Authority”** means the Director, Directorate of Vocational Education and Training, Maharashtra State who has been authorized to issue a work order under this contract. The word “Tendering Authority” when used shall be synonymous with “The Purchaser” which shall be used wherever possible.
10. **“DVET”** means Directorate of Vocational Education and Training, Govt. of Maharashtra, 3, Mahapalika Marg, Mumbai 400001
11. **“Tender Opening Committee”** means the committee of officers appointed and authorized by the Tendering Authority.
12. **“Technical Evaluation Committee”** means the committee of experts appointed by the Tendering Authority.
13. **“PMC”** means Project Management Consultant appointed by the DVET
14. **“Inspection Committee”** means the committee of experts appointed by the Tendering Authority who is entrusted the job of inspection.
15. **“ITI”** means Government Industrial Institutes in the state of Maharashtra.
16. **“Consignee”** means the any institutes or offices under the jurisdictions of DVET where the stores to be delivered.
17. **“Similar Items”** means “Any items of the same group doing related/ comparable function.

Note: *Any words or terms which are not clearly defined in this tender document shall be clarified by the bidder before the submission of the bid.*

## SECTION 1: INSTRUCTIONS TO BIDDER

### 1.1 Introduction

For and on behalf of Governor of Maharashtra, the Director, Directorate of Vocational Education and Training (DVET), Mumbai, herein after referred to as "Tendering Authority" invites physically sealed tenders in one bid system for Project Management of Design, Engineering, Supply, Erection and Commissioning of prefab building structure/s for ITI in Maharashtra State specified in Scope of Works by Physical Tendering process for the purposes of Government Industrial Training Institutes and Offices under jurisdiction of Directorate across the State of Maharashtra.

The quantities mentioned in the tender are only approximate estimated quantities. The Tendering Authority reserves the right to increase or decrease the quantities to be purchased without assigning any reason thereof.

To view Tender Notice, Detailed Time Schedule, Tender Document and its supporting documents for this Tender, kindly visit website of Directorate of Vocational Education and Training <https://www.dvet.gov.in>.

All bidder(s) interested in participating in the Tendering process are required to prepare and submit proposal in two-bid system in Physical form at the address given below;

The Director,  
Procurement Section, Directorate of Vocational Education and Training, Maharashtra State  
3, Mahapalika Marg, Elphinstone Technical High School Campus,  
Opp Metro Cinema, Mumbai- 400001

### 1.2 Background:

The Directorate of Vocational Education and Training (DVET), Government of Maharashtra, intends to construct prefabricated engineering buildings at 151 Government Industrial Training Institutes (ITIs) across the state for straining of new age courses as per the norms of the National Council of Vocational Education & Training (NCVET) & Director General of Training (DGT), Ministry of Skill Development, Government of India. These buildings will support modernization, skill training, and trade-specific infrastructure improvements. DVET seeks to appoint a Project Management Consultant (PMC) for end-to-end support including planning, design validation, supervision, quality control, and reporting.

To ensure professional oversight and quality execution of these projects, DVET invites Request-for-Proposal (RFP) from reputed and experienced firms/organizations registered with public works department of Maharashtra for appointment as Project Management Consultant (PMC) for the entire project duration.

### 1.3 Objective of the RFP:

To shortlist eligible and qualified PMC agencies who can provide technical, architectural, project management, and quality assurance services for the successful implementation of prefabricated buildings at ITIs.

#### 1.4 Pre-Qualification Criteria for Project Management Consultant (PMC):

All supporting documents must be submitted in the **Single Technical Envelope**.

Sr. No.	Criteria	Requirement	Supporting Document Required
1	<b>Legal Status</b>	The bidder must be a <b>Registered Company, LLP, or Partnership/Proprietorship Firm in India.</b>	<ul style="list-style-type: none"> <li>• Certificate of Incorporation</li> <li>• Registration Document</li> </ul>
2	<b>Experience</b>	Minimum <b>5 years</b> of experience in providing <b>Project Management Consultancy (PMC)</b> services for <b>civil and prefabricated infrastructure projects.</b>	<ul style="list-style-type: none"> <li>• Work orders</li> <li>• Completion certificates indicating duration of the projects</li> </ul>
3	<b>Similar Projects</b>	At least <b>3 similar PMC assignments</b> completed in the <b>last 5 years</b> , preferably involving <b>government or institutional buildings.</b>	<ul style="list-style-type: none"> <li>• Work orders</li> <li>• Project completion certificates</li> <li>• Client testimonials</li> </ul>
4	<b>Technical Staff</b>	Minimum <b>10 in-house experts</b> (Architectural, Civil, Structural, Electrical, MEP) each with <b>at least 5 years of experience.</b> Must also be registered with applicable <b>professional bodies</b> such as <b>Council of Architecture (COA)</b> and <b>Institution of Engineers (IEI).</b>	<ul style="list-style-type: none"> <li>• Detailed CVs,</li> <li>• Employment Appointment Letters,</li> <li>• Qualification with Experience and Proof of Monthly Salary Paid</li> <li>• PF Return Filing Slips of March 2025</li> <li>• COA Registration Certificates</li> <li>• Registration with other Professional bodies</li> </ul>
5	<b>Registration</b>	Must be an <b>empanelled PMC consultant with the Public Works Department (PWD), Government of Maharashtra, for projects over ₹100 Crore.</b>	Valid PWD Empanelment Certificate/Letter.
6	<b>Blacklisting</b>	The bidder <b>should not have been blacklisted</b> by any <b>Government agency.</b>	Self-declaration affidavit on ₹500 stamp paper
7	<b>Quality Certification</b>	Possession of <b>ISO 9001:2015 certification.</b>	<ul style="list-style-type: none"> <li>• Valid ISO Certificate</li> <li>• Any other quality certification or Awards Certificates if any</li> </ul>

#### 1.5 Technical Qualification Criteria for Project Management Consultant (PMC):

*(To be evaluated based on the documents submitted in the Technical Envelope)*

Sr. No.	Criteria	Requirement / Evaluation Parameters	Maximum Marks
1	<b>Firm's Relevant Experience</b>	Experience in PMC services for Civil/Prefabricated infrastructure projects (Govt. or Institutional buildings)	<b>20 Marks</b>
	a) 3 similar assignments	10 marks	
	b) 4–5 similar assignments	15 marks	
	c) More than 5 similar assignments	20 marks	
2	<b>Project Value Handled</b>	Value of single project handled as PMC in last 5	<b>10 Marks</b>

		years	
	a) Up to ₹25 Cr	2 marks	
	b) ₹25 Cr – ₹100 Cr	5 marks	
	c) Above ₹100 Cr	10 marks	
3	<b>Key Technical Personnel</b>	Minimum 10 technical experts with relevant qualifications and ≥5 years' experience	<b>20 Marks</b>
	a) 10 technical experts of Architects (2), Civil Engineers (3), Structural (2), Electrical (2), MEP (1) with ≥5 years' experience	5 marks	
	b) 20 technical experts of Architects (4), Civil Engineers (6), Structural (4), Electrical (4), MEP (2) with ≥5 years' experience	10 marks	
	c) > 20 technical experts with ≥5 years' experience	20 marks	
4	<b>Approach &amp; Methodology</b>	Understanding of project scope, implementation plan, quality control, and risk management plan	<b>20 Marks</b>
	a) Project Implementation Strategy	5 marks	
	b) Quality Assurance & Control Plan	5 marks	
	c) Risk Mitigation Plan	5 marks	
	d) Project Monitoring & Reporting Mechanism	5 marks	
5	<b>Work Plan &amp; Timeline</b>	Realistic timeline, phase-wise milestones for PMC deliverables	<b>10 Marks</b>
	Gantt chart, resource allocation, and deliverables		
6	<b>Certifications / Registration/ Quality Awards</b>	ISO 9001:2015, COA/IEI registration	<b>10 Marks</b>
	a) ISO 9001:2015	3 marks	
	b) Registration with COA/IEI/other professional body	2 marks	
	c) Special Quality Awards by National/International professional bodies	5 marks	
7	<b>Past Client Feedback</b>	Feedback letters/testimonials from at least 3 Government or Institutional clients	<b>10 Marks</b>
		Total Marks	100

- Minimum Qualifying Marks for Technical Evaluation: 70 out of 100
- Only those bidders who score at least 70 marks in the technical evaluation will be considered for finalization of the successful bidder under QCBS methodology. The bidder having highest technical score will be considered as successful bidder. The Professional fees of 2% of the total project will be paid to the successful bidder as per the Government of Maharashtra, Government Resolution of the Public Works Department No. खाक्षेस-२०१८/प्र. क्र. ७५/ रस्ते-१अ, Dated: 25/01/2019.

### **1.6 Evaluation Methodology:**

Technical proposal shall be evaluated based on:

- Relevant past experience
- Team strength and qualifications
- Work methodology and understanding of project
- **Presentation before Technical Committee (if required)**

### **1.7 Proposal Submission:**

- Proposals to be submitted in one envelopes (Technical)
- Sealed envelope shall be labeled clearly
- Proposals must be submitted at DVET HQ, Mumbai before the due date

### **1.8 Deliverables by PMC:**

- Vetted drawings, BoQ, cost estimates
- Monthly Progress Reports
- Quality inspection and compliance reports
- Final project completion report and certification

### **1.9 Contract Duration:**

- Duration of the contract: from date of signing until successful completion and handover of the project.
- Extensions, if any, shall be granted in writing by the Directorate.

### **1.10 Duties and Responsibilities:**

- Ensure compliance with Government of Maharashtra/PWD/IS codes
- Submit regular reports (weekly/monthly) to the Directorate
- Maintain site documentation and work diaries
- Ensure timely execution within budget
- Recommend action in case of delays, cost overruns, or quality issues
- Act in the best interest of the Directorate without conflict of interest

### **1.11 Liability and Insurance:**

- PMC shall be liable for professional negligence or deficiency in service.
- PMC must maintain Professional Indemnity Insurance for the duration of the project.

### **1.12 Termination Clause:**

The Directorate reserves the right to terminate the contract:

- With 30 days' notice without cause
- Immediately in case of gross negligence, fraud, or violation of contract terms

### **1.13 Confidentiality:**

- PMC shall not disclose project information, designs, or reports to third parties without written consent of the Directorate.

### **1.14 Arbitration and Dispute Resolution:**

- Disputes, if any, shall be resolved through mutual discussion.
- Failing which, disputes shall be referred to an arbitrator under the Arbitration and Conciliation Act, 1996.
- Jurisdiction: District Court or High Court as applicable in Mumbai, Maharashtra State.

**1.15 Governing Law:**


This contract shall be governed under the laws of India, and more specifically, those applicable in Maharashtra State for government-funded projects.

**1.16 Miscellaneous:**

- PMC cannot subcontract or assign work without prior written approval.
- All communications shall be in writing or via email with proper records.
- Any deviation from approved plans must be pre-approved by the Directorate.

**1.17 Contact Details for Projects and Project Management:**

Desk14 (Estate Section)  
Directorate of Vocational Education and Training,  
3, Mahapalika Marg, Mumbai – 400001

 Email: [desk14@dvet.gov.in](mailto:desk14@dvet.gov.in)

**1.18 Special Note:**

DVET reserves the right to accept or reject any or all RFPs without assigning any reason. The issue of this RFP does not guarantee award of contract.

## SECTION 2: SCOPE OF WORK

### 2.1 Scope of work

The Scope of work of the contractor for the proposed work involves following:

- The works required for Design, Engineering, Supply, Erection and Commissioning of the prefab buildings of Government Industrial Training Institutes across Maharashtra under the jurisdiction of Directorate of Vocational Education and Training, Maharashtra State.
- Construction of a customized Prefabricated Industrial Shed with all services and external works as more particularly shown and specified in other sections of the contract documents including design and detailing as per the requirements of Government Industrial Training Institutes across Maharashtra under the jurisdiction of Directorate of Vocational Education and Training, Maharashtra State.
- The Details of the Scope of work are as follows
  - Site Survey & Soil investigation
  - Structural design & approval
  - Foundation and Civil Works – excavation, PCC, RCC footing, flooring, painting, plumbing and sanitation work
  - PEB fabrication and erection of steel structures (LGSF) with certified structural steel
  - Walling, Roofing, Insulation, door/windows and cladding with galvalume / PUF panels
  - Internal partitioning and finishing (classrooms, staff room)
  - Electrical works including wiring, LED lighting, fan, and power points
  - Smart Classroom integration (smart board, AC points, AC)
  - Installation of modular furniture in Classroom, smart classroom and staff room and ventilation system to the building
  - Ramp and accessible entries as per building codes
  - Basic landscaping facilities between 5-to-10-meter area of the proposed prefabricated building
  - Rainwater harvesting as per the green building codes
  - Commissioning and handover
- The project sites are in Maharashtra State and the total built-up area is been provided herewith.
- Provide maintenance and support services for the contract period of 5 years.
- Provide all facilities as contemplated for the green building by Government of India and Government of Maharashtra
- All materials must conform to relevant BIS/ASTM standards
- Provide minimum 25 years of the life of the prefabricated building
- All Electricals and Plumbing must be complaint with relevant codes
- Fast-track, modular construction to be prepared
- Factory inspected components with traceability records.
- Execute the project under the monitoring and supervision of Project Management Consultant (PMC) appointed by DVET for Design, Engineering, Supply, Erection and Commissioning of prefab building structure/s for ITI. The PMC will be authorized for overall all execution and supervision of the structures as per the requirements of the ITI.
- The scope of work and services of Project Management Consultant (PMC) is given below

## 2.2 Scope of Services for Project Management Consultant (PMC) appointed by DVET

The selected PMC by purchaser will be responsible for the following:

### 2.2.1 Major Roles and Responsibilities

- Preparation & verification of layout & elevation plans, BoQ as per design plans and cost estimates
- Vetting of architectural and structural designs as per standards
- Obtaining statutory clearances and approvals
- Bid process management support
- Site supervision and project monitoring
- Supervising prefabrication, civil, plumbing, electrical, and MEP works
- Conducting quality assurance checks and third-party material testing
- Periodic review meetings and reporting to DVET
- Progress reporting and MIS
- Bill checking, certification, and final project completion report
- Handholding till final handover of projects

### 2.2.2 Project Planning and Development

- Develop a comprehensive project design & plan with timelines, resource allocation, budget estimates, and risk strategies.
- Assist in defining project objectives and requirements.
- Coordinate with architects, engineers, and stakeholders during the design phase.

### 2.2.3 Design and Architectural Coordination

- Design, Review and approve design submissions for compliance.
- Ensure feasibility and alignment with project goals.
- Facilitate communication between design and construction teams.

### 2.2.4 Budget and Cost Management

- Prepare detailed cost estimates and budgets as per the project design & BoQ.
- Monitor expenditures and maintain financial discipline.
- Identify cost overruns and savings opportunities.

### 2.2.5 Contract Management

- Develop and execute procurement strategies as set out in the GCC & SCC.
- Oversee project execution as per the requirement of the individual ITI and project evaluation.
- Assist in finalization of supply, erection and commissioning of the project by selected bidder and subcontractor selected by the bidder.

### 2.2.6 Construction Management and Monitoring

- Supervise construction activities and ensure schedule adherence.
- Coordinate with contractors for quality-compliant completion.
- Conduct site inspections and enforce safety standards.

### 2.2.7 Quality Assurance and Control

- Implement a quality management system.
- Facilitate testing and verification of materials and methods.
- Ensure compliance with building codes and regulations.

### 2.2.8 Time and Schedule Management

- Maintain a detailed project timeline.
- Manage critical path activities and mitigate delays.
- Adjust schedules to meet milestones.

### 2.2.9 Risk Management

- Identify and monitor project risks.
- Develop and implement mitigation strategies.

### 2.2.10 Stakeholder Communication

- Act as the primary liaison between client and project teams.
- Organize regular meetings and updates.
- Manage stakeholder relationships effectively.

### **2.2.11 Documentation and Reporting**

- Maintain comprehensive project documentation.
- Prepare regular status reports covering financials, timelines, and issues.

### **2.2.12 Project Closeout**

- Ensure successful project completion and final inspections.
- Facilitate handover with complete documentation and warranties.
- Resolve final issues or deficiencies

### **2.2.13 Project Deliverables**

- Detailed project plan and schedule
- Monthly project status reports
- Budget tracking and financial reports
- Quality management and compliance documentation
- Final closeout report and handover documentation

### **2.2.14 Payment Terms for PMC**

- The PMC will be paid professional charges payments of 2% of the overall project cost by DVET Stage-wise linked to milestone achievements
- Payment shall be made in stages:
  - 10% on appointment of turnkey contractor
  - 30% during construction (linked to milestones)
  - 30% on completion of civil and prefabrication works
  - 30% on final handover after successful completion and acceptance by DVET and certification

## **2.3 Specification of Requirements**

- Total Built-up Area: As specified in below table. The built-up area may vary from institute-to-institute locations as per the requirements of the trades proposed by the respective ITI.
- RCC foundation and floor slab
- **Structural System:**
  - a. Pre-engineered steel frame (PEB) with bolted joints
  - b. Type: MS tubular section frame, epoxy coated, bolted structure
  - c. Foundation: RCC pad footing with plinth beam and 150 mm PCC flooring with anti-termite treatment
  - d. Height: Minimum internal clear height 3.5m; ridge height 4.5–5m depending on span
- **Roof:**
  - a. Gabled roof with 0.5 mm galvalume sheeting and turbo ventilators
  - b. Roofing: 50 mm thick PUF insulated sandwich panels with GI sheet finish
- **Cladding:**
  - a. Wall panels in 0.5 mm galvalume (PUF panels in classrooms)
  - b. Wall Cladding: 50 mm PUF insulated sandwich panels (fire retardant, sound insulating)
- **Flooring:**
  - a. IPS flooring in classrooms, epoxy finish in workshops
  - b. Workshops: Industrial-grade epoxy flooring, 3 mm thickness over PCC
  - c. Classrooms/Staff Room: 600x600 mm vitrified tiles, ISI certified, slip-resistant
  - d. Passages: Cement concrete finish with 2 coats of floor hardener
- **Electrical:** (3 & 2 Phase Wiring for workshops & Classrooms)
  - a. Copper wiring, modular switches, LED lighting, AC provision in Smart Classroom
  - b. Wiring: Concealed FRLS copper wiring as per IS standards
  - c. Lighting: Energy-efficient LED batten lights (20W-40W depending on room size)
  - d. Power Outlets: Minimum 4 per classroom/workshop, 15A sockets for equipment
  - e. Distribution Boards: TPN MCB DB with RCCB protection in each functional area
  - f. Earthing: GI pipe earthing as per IS 3043 – minimum 3 pits

- **Smart Classroom:**
  - a. Equipped with projector, smart board, speaker system
  - b. Type: Split-type air conditioning units (minimum 1.5-ton capacity)
  - c. Power Efficiency: Minimum 4-star BEE rated
  - d. Provision: Separate MCB and point control; outdoor unit platform included
- **Ventilation:**
  - a. Natural ventilation via aluminum sliding windows and roof ventilators
  - b. Doors: Flush-type ISI-marked flush doors with SS hardware, 1m wide (workshop doors: double-leaf)
  - c. Windows: Powder-coated aluminum windows with 5mm clear float glass and mosquito net shutter
  - d. Ventilation: Natural louver-type wall ventilators with mechanical exhaust in each workshop
- **Furniture:**
  - a. Modular furniture with steel frame for classrooms and staff room
  - b. Classrooms: Dual desks and benches (powder-coated frame, laminated top), teacher table and chair
  - c. Smart Classrooms: Interactive board mount provision, modular tables and chairs
  - d. Workshops: Workbenches (modular steel), storage racks, tool cabinets
  - e. Staff Room: Work desks, storage unit, 4 office chairs
- **Accessibility:** 3m wide shutter and ramp access from east side
- **Plumbing and Sanitary (If Applicable)**
  - a. Waterline: CPVC pipe for fresh water, IS 15778
  - b. Drainage: UPVC, ISI mark; connected to municipal system or septic tank
- **Painting & Finishing:**
  - a. Internal: Oil-bound distemper over putty (2 coats)
  - b. External: Weather-proof acrylic paint
  - c. Steel: Synthetic enamel over primer (2 coats)
  - d. Epoxy Flooring in workshops
- **Site Work and Landscaping**
  - a. Paving: Cement paver block walkways (60 mm thick), drainage slope ensured
  - b. Landscaping: Minimum 10 trees or shrubs along boundary/periphery
  - c. Access: Ramp with handrail for universal access at entrance

### 2.3.1 Brand-neutral, performance-based specifications of the Furniture, AC, Smart Classroom items and Plumbing works

#### A. Modular Furniture & Fixtures for Classrooms, Smart Classrooms, Workshops, and Staff Room

##### 1. General Requirements

- 1.1. All furniture shall be **new, of first quality**, and manufactured using materials conforming to relevant BIS/IS standards.
- 1.2. Structural members shall be of **Mild Steel (MS) tubular/CRCA sections**, minimum thickness **1.2 mm**, powder-coated with minimum coating thickness of **50 microns**.
- 1.3. Wooden / laminated surfaces shall be made from **18 mm pre-laminated particle board or MDF board conforming to IS 12823**, with **2 mm PVC edge banding** on all exposed edges.
- 1.4. All joints shall be welded by **MIG/CO<sub>2</sub> process**; sharp edges shall be rounded for safety.
- 1.5. Hardware (hinges, handles, locks) shall be of **ISI-marked / equivalent branded make**.
- 1.6. All items shall be supplied **knock-down** or **fully assembled** as specified, with installation and demonstration at site.

## **2. Item-wise Specifications**

### **A. Classrooms**

#### **1. Dual Desk-Bench Sets (for 2 students)**

- MS tubular steel frame, powder-coated.
- Desk top: 18 mm pre-laminated board (IS 12823), PVC edge band, scratch & stain resistant.
- Bench seat & back: Laminated finish, ergonomic height as per IS 4837.
- Anti-skid rubber foot caps.

#### **2. Teacher's Table**

- Size: 1200 × 600 × 750 mm.
- MS frame powder-coated, modesty panel, laminated top.

#### **3. Teacher's Chair**

- Ergonomic design, MS frame, cushioned seat & back, upholstered in fabric or leatherette.

### **B. Smart Classrooms**

#### **1. Interactive Board Wall Mount Provision**

- Heavy-duty adjustable wall mount with cable management.
- Compatible for 75" interactive flat panels.
- Complete with anchor fasteners for solid wall fixing.

#### **2. Modular Student Tables**

- MS frame, powder-coated; 18 mm laminated top with PVC edge.
- Provision for grommet holes for cable routing.

#### **3. Modular Student Chairs**

- Ergonomic design; cushioned or polypropylene shell seat; MS/nylon base.

### **C. Workshops**

#### **1. Modular Steel Workbenches**

- All-steel welded frame, length 1500–2100 mm.
- Hardwood/laminated top (25–40 mm thick).
- Provision for vice mounting, adjustable leveling feet.

#### **2. Storage Racks (Heavy Duty)**

- Powder-coated steel with adjustable shelves.
- Load capacity: minimum 200 kg per shelf.

#### **3. Tool Cabinets (Lockable)**

- CRCA steel sheet (0.8–1.0 mm thick), powder-coated.
- 5–7 drawers, central locking, foam-lined drawers.

### **D. Staff Room**

#### **1. Work Desks**

- 1200 × 600 × 750 mm, MS frame powder-coated, laminated top.
- One lockable drawer unit.

#### **2. Storage Unit / Cupboard**

- CRCA steel 1.0 mm thick, powder-coated, with adjustable shelves, lockable doors.

#### **3. Office Chairs**

- Revolving, cushioned seat & back, height adjustable with gas lift, MS/nylon **base, with arms.**

### **E. Smart Classroom AV & HVAC Equipment**

#### **1. Smart Classroom Audio-Visual Setup**

##### **1.1 Projector**

- Technology: DLP/LCD with minimum 3500 ANSI lumens brightness, XGA/WXGA resolution.
- Lamp life: Minimum 15,000 hours (Eco mode).

- Connectivity: HDMI, USB, VGA, wireless (optional).
- Ceiling/wall mount kit included.

### 1.2 Smart Board / Interactive Flat Panel

- Size: Minimum 75 inches diagonal.
- Multi-touch (minimum 20 touch points).
- Integrated Android OS and PC interface.
- Wall-mount bracket, cable management, and connectivity to projector/laptop.

### 1.3 Speaker System

- 2.1 or 4-speaker wall-mounted system, 30–50W RMS per channel.
- Integrated amplifier; remote control included.

## 2. HVAC (Air Conditioning)

- 1.1 **Type:** Split-type wall-mounted units.
- 1.2 **Capacity:** Minimum **1.5 ton** per unit for classrooms up to 25 sqm; 2.0 ton for larger rooms if required.
- 1.3 **Energy Efficiency:** Minimum **4-Star BEE Rated** (latest year's rating).
- 1.4 **Compressor:** Rotary/scroll type, copper condenser coil.
- 1.5 **Refrigerant:** Eco-friendly (R32 / R410A).
- 1.6 **Indoor Unit:** Low noise  $\leq 40$  dB, washable filters.
- 1.7 **Outdoor Unit:** Powder-coated body, corrosion-resistant; mounted on GI/SS platform with vibration pads.

## 3. Electrical & Control Provision

- Each AC unit to have **separate MCB** (miniature circuit breaker) and **individual point control** in the classroom.
- AV equipment to be connected through a dedicated MCB and surge protection device.
- Wiring: FRLS copper wires as per IS 694, concealed/ducted with proper termination.
- Earthing: Dedicated earthing for all AV and AC equipment as per IS 3043.

## 4. Installation & Commissioning

- Installation includes mounting of projector, smart board, speakers, and AC units.
- Supply and fixing of outdoor unit platforms, piping, cabling, drainage, and necessary fittings.

## 5. Sanitary Sewerage Connection

1. **Excavation & Trenching**
  - Excavation for laying sewage pipelines from toilet blocks to the existing main sewer line/manhole in the periphery of 10 metres, including dressing of sides and ramming of bottoms, in all kinds of soil.
  - Trench width and depth as per IS: 1742–1983 and site requirements.
2. **Pipes & Fittings**
  - Use of **uPVC/HDPE/SWC pipes** conforming to IS: 4985 (for uPVC) or IS: 14333 (for HDPE), class not less than PN 6, with socket/spigot ends.
  - Minimum diameter: **110 mm for toilet outlet lines.**
  - Rubber ring joints or solvent cement joints to ensure watertightness.
3. **Slope & Alignment**
  - Maintain uniform gradient (minimum 1 in 40 for 100 mm lines) for self-cleansing velocity.
  - Proper alignment to avoid sharp bends; use inspection chambers where bends are unavoidable.
4. **Inspection Chambers / Manholes**
  - Construction of brick masonry inspection chambers at all junctions and change of direction as per IS: 4111.
  - Cover slabs with cast iron frame and cover (medium duty IS: 1726–1991).
5. **Testing**
  - Water test to be conducted for all newly laid lines before backfilling.

- Leakages, if any, to be rectified at contractor's cost.

## **6. Water Supply Connection**

### **1. Excavation & Backfilling**

- Trenches for water pipelines from main water supply in the periphery of 10 metres, to toilet blocks.
- Minimum cover of 750 mm for protection from damage.

### **2. Pipes & Fittings**

- GI (Galvanised Iron) pipes medium grade (IS: 1239 Part 1) or HDPE pipes (IS: 4984–2016) with brass fittings.
- Minimum diameter: **25 mm for each toilet block inlet.**
- All valves, unions, tees, reducers, bends to be IS-marked.

### **3. Valves & Controls**

- Gate valves/ball valves at branch connection to each toilet block for isolation.
- Non-return valve at pump outlet.

### **4. Water Storage & Distribution**

- Overhead tank connection with float valve.
- Internal distribution with CPVC pipes (IS: 15778) from inlet point to individual fixtures.

## **7. Standards & Compliance**

- IS 4837 – Dimensions for Classroom Furniture.
- IS 12823 – Pre-laminated Particle Boards.
- IS 713 – Plywood for Furniture.
- IS 1443 – Powder Coatings.
- IS 694 - FRLS copper wires
- IS 3043- AV and AC equipment
- IS1742- Sanitary works
- IS4984- for uPVC
- IS14333-for HDPE
- IS1726-for cast iron frame and cover
- IS1239-GI Pipes
- IS15778- CPVC pipes

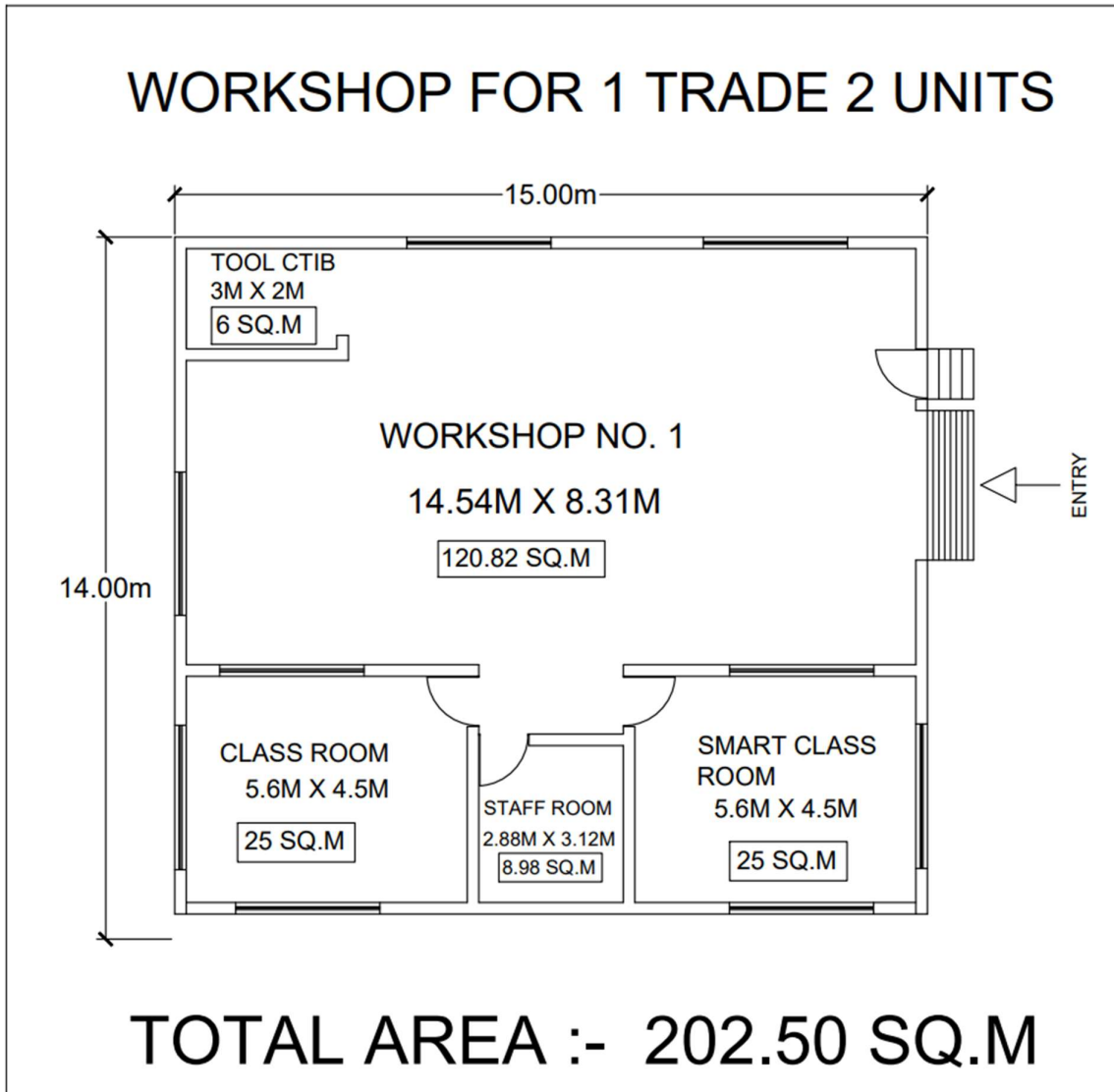


Fig: 1

# WORKSHOP FOR 1 TRADE 2 UNITS

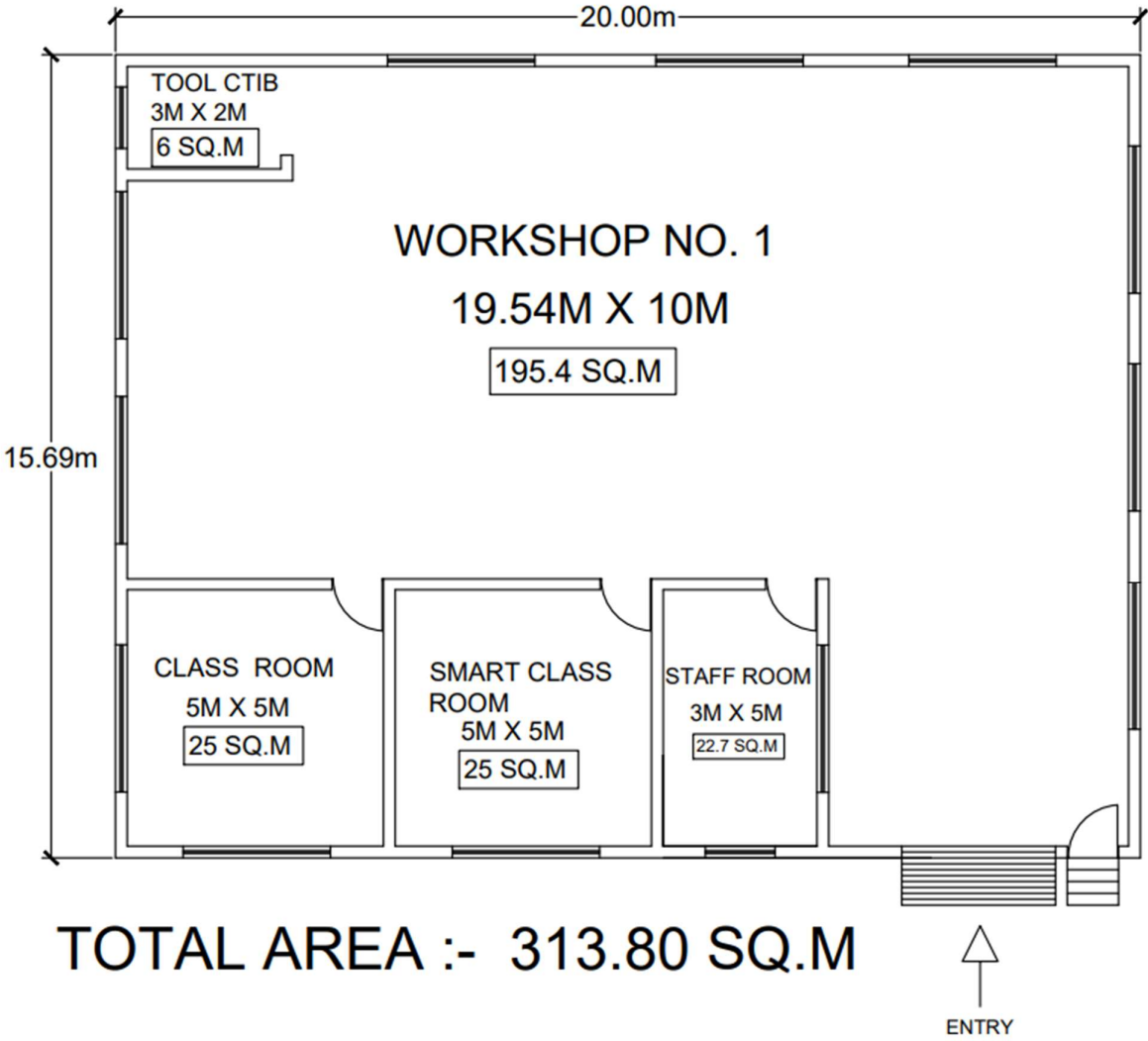
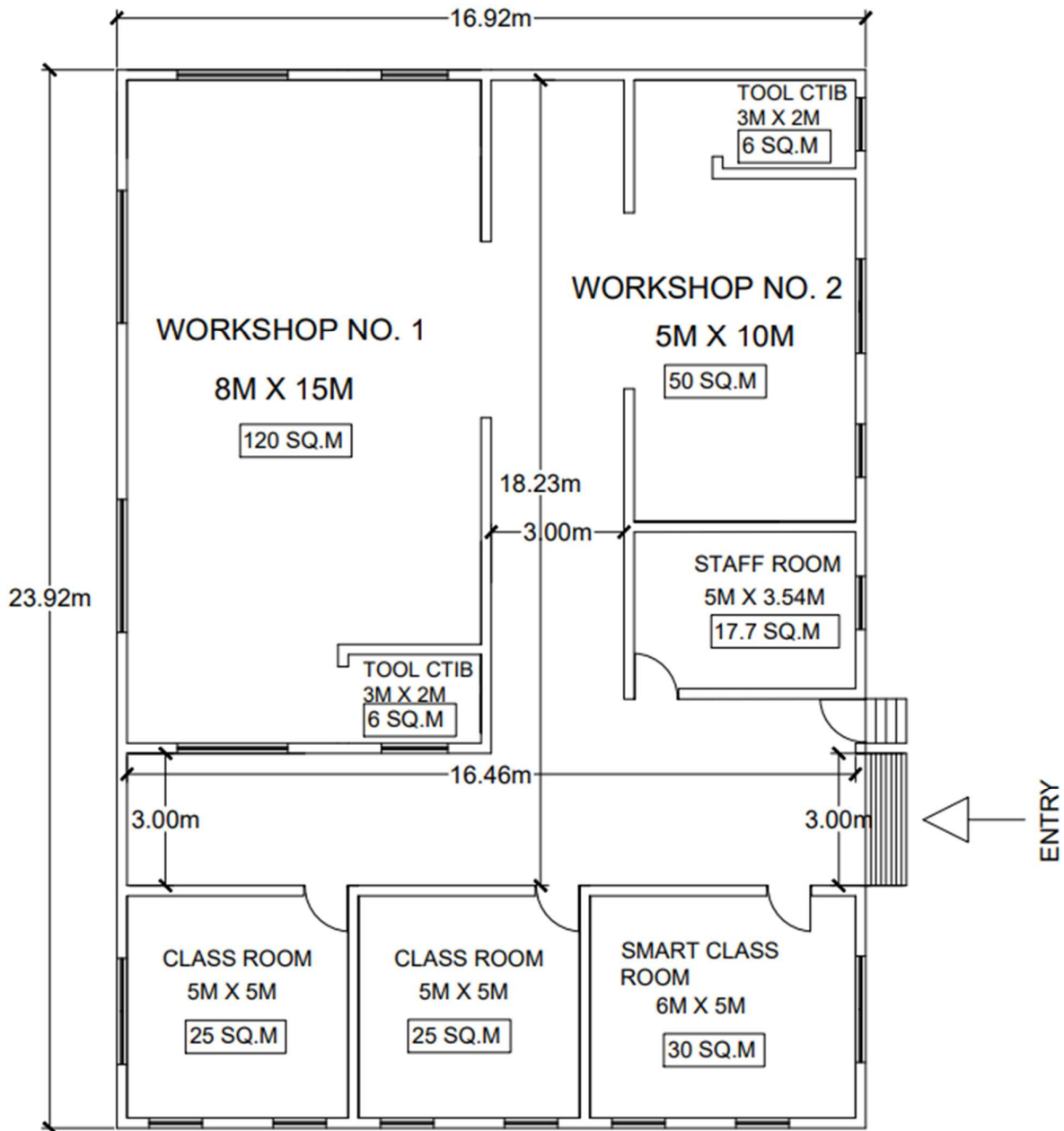


Fig: 2

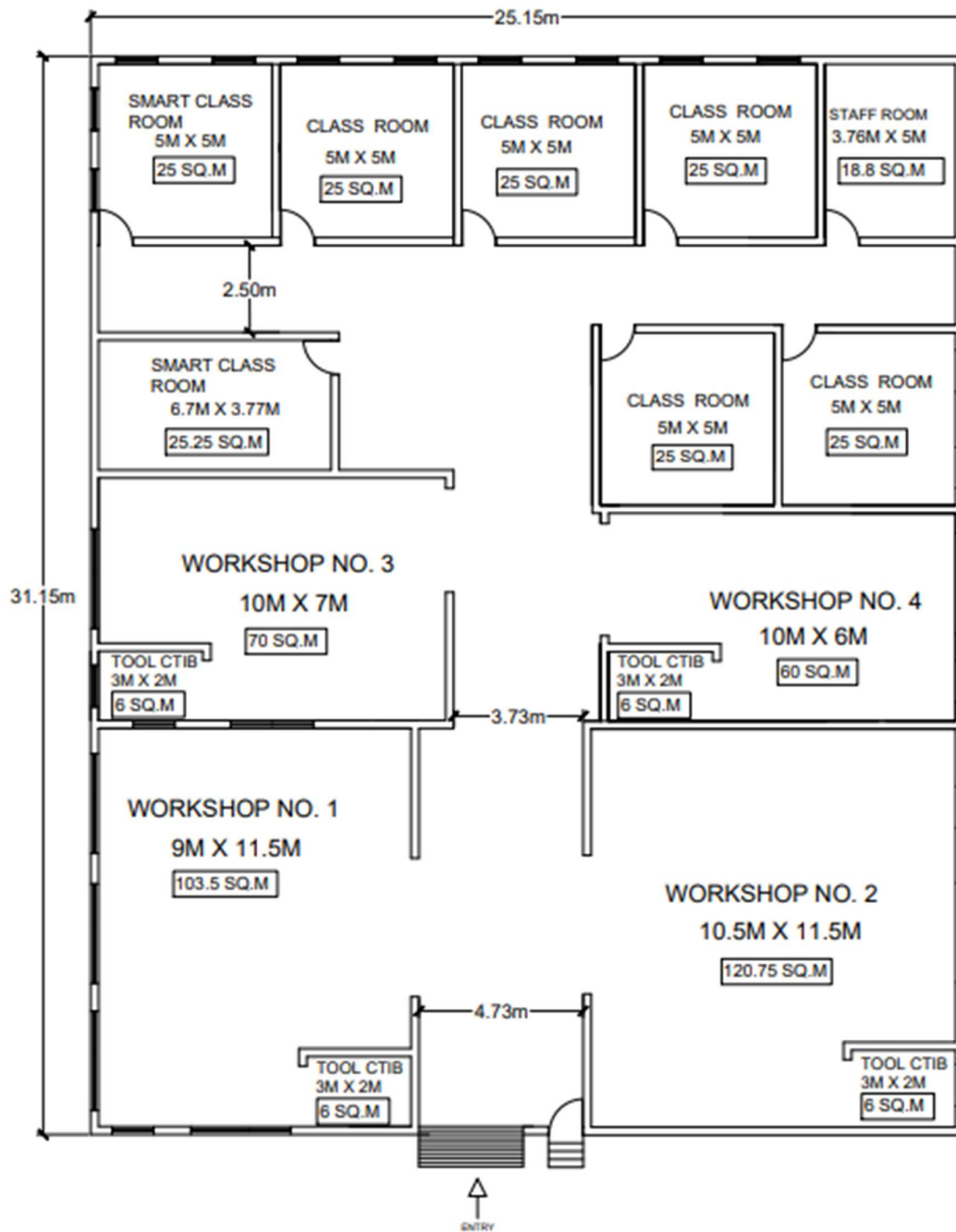
# WORKSHOP FOR 2 TRADE 4 UNITS



**TOTAL AREA :- 404.73 SQ.M**

Fig: 3

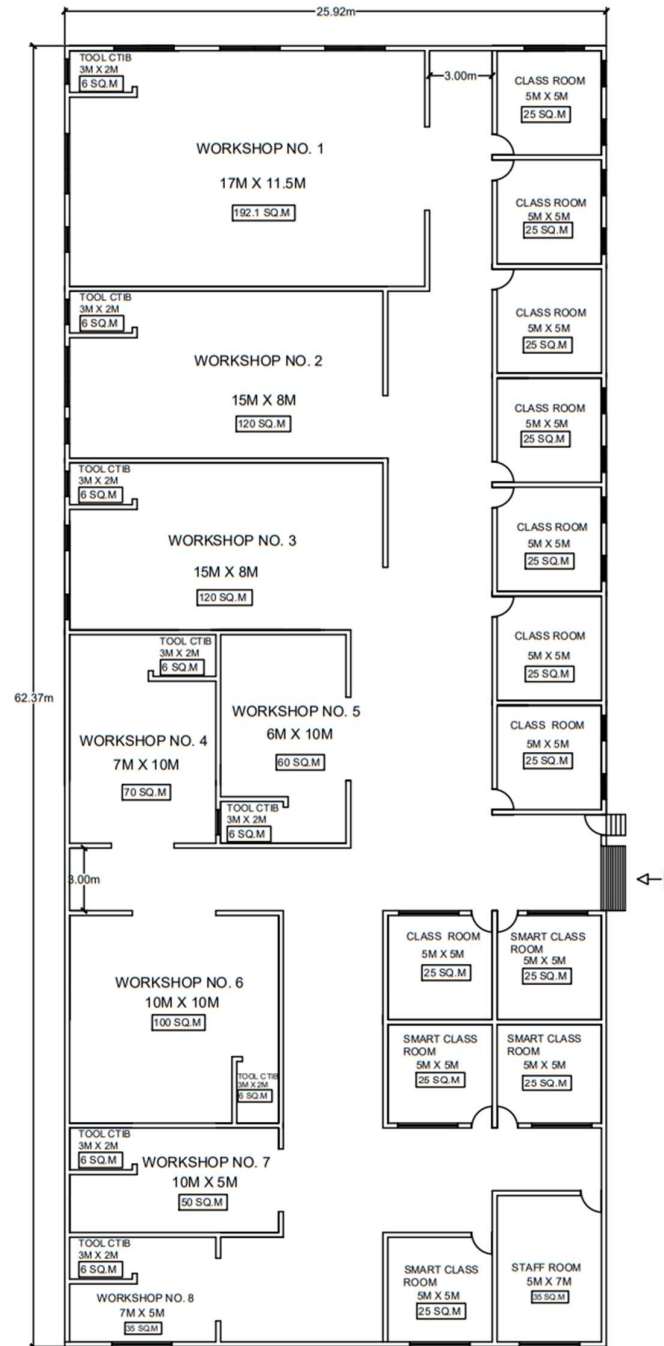
# WORKSHOP FOR 4 TRADE 8 UNITS



**TOTAL AREA :- 783.63 SQ.M**

Fig: 4

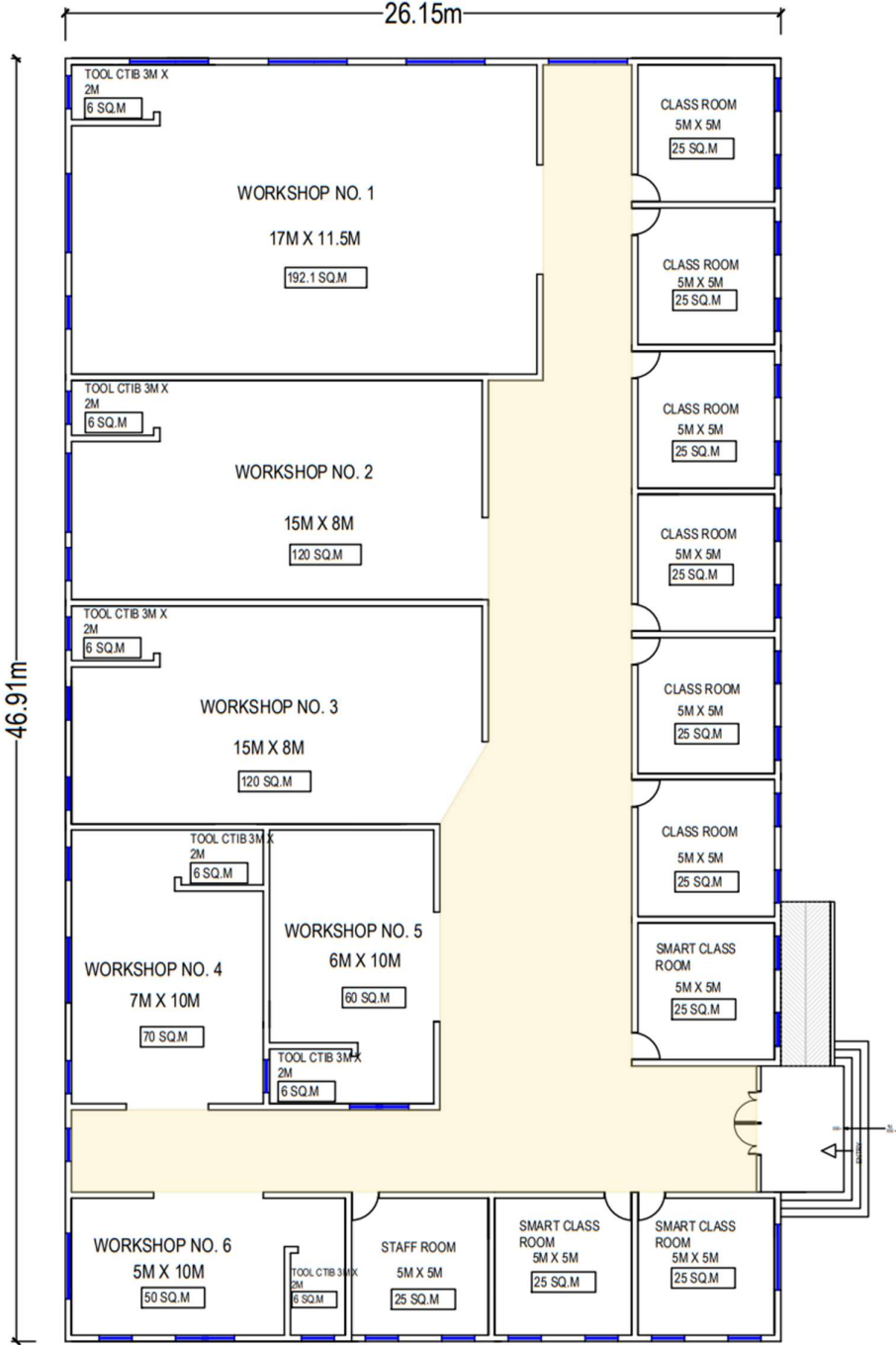
# WORKSHOP FOR 8 TRADE 16 UNITS



TOTAL AREA :- 1616.63 SQ.M

Fig: 5

# WORKSHOP (26.15Mx47M)



Built up area = 1226.70 SQ.M

Fig: 6 (1200 Sqm)

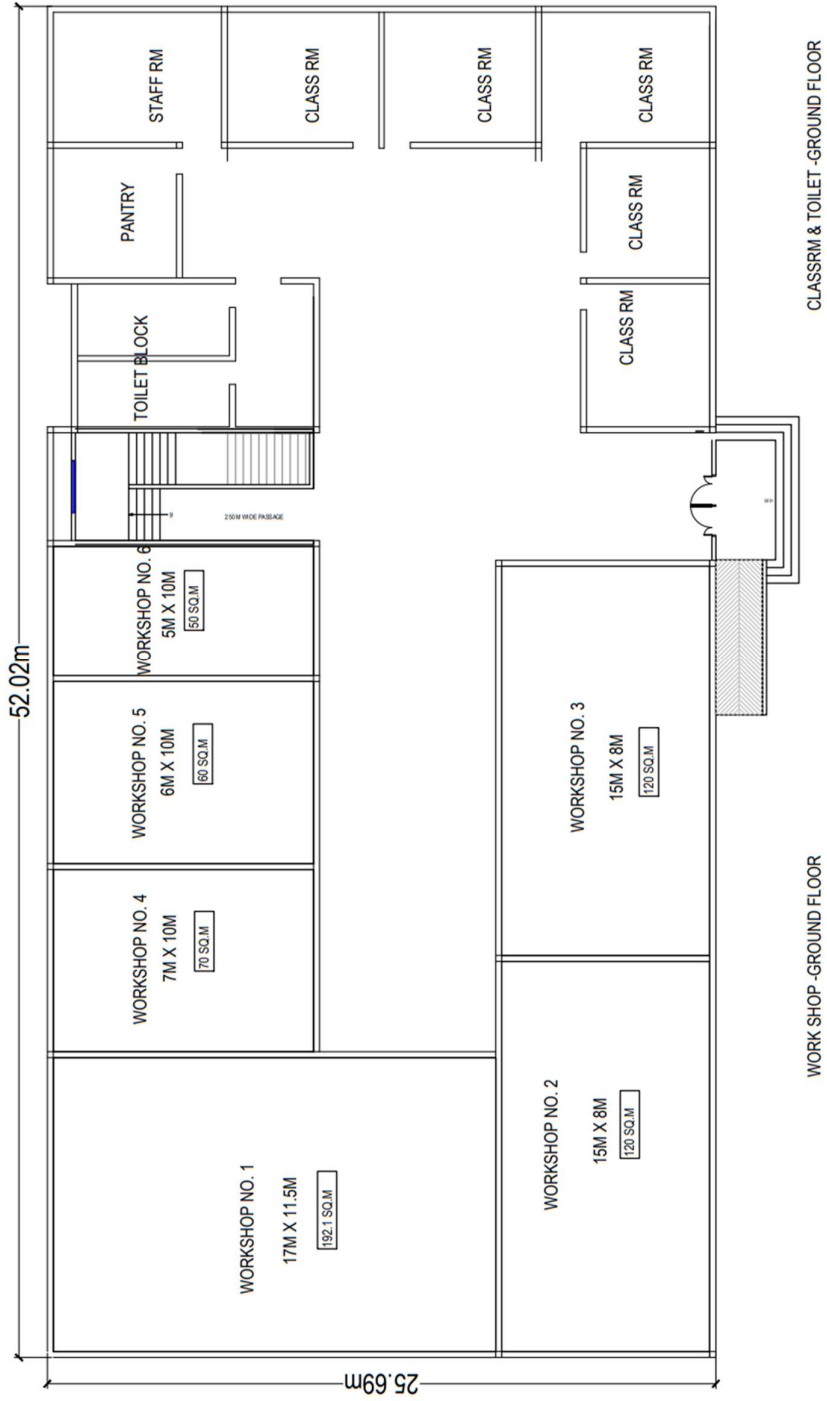
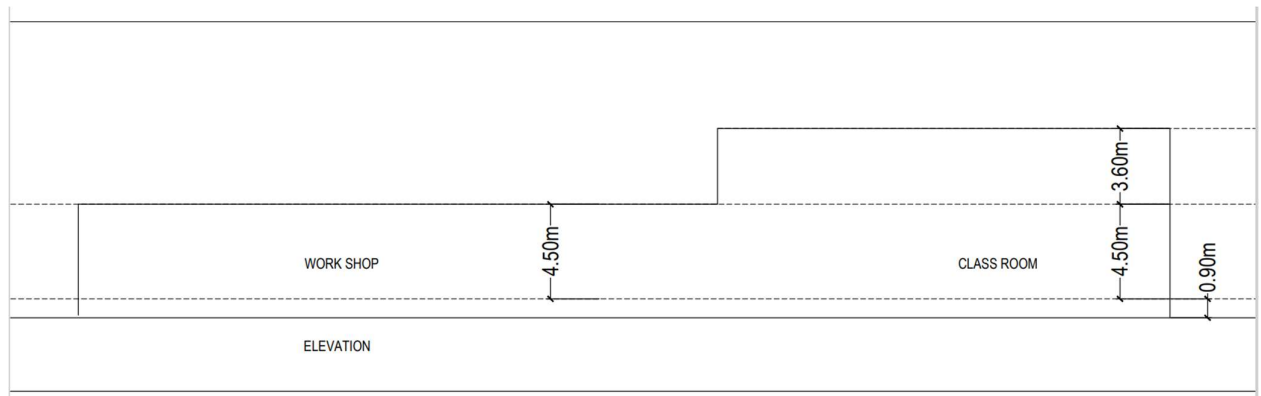


Fig: 7 (1200 Sqm)



*Fig: 8 (1200 Sqm)*

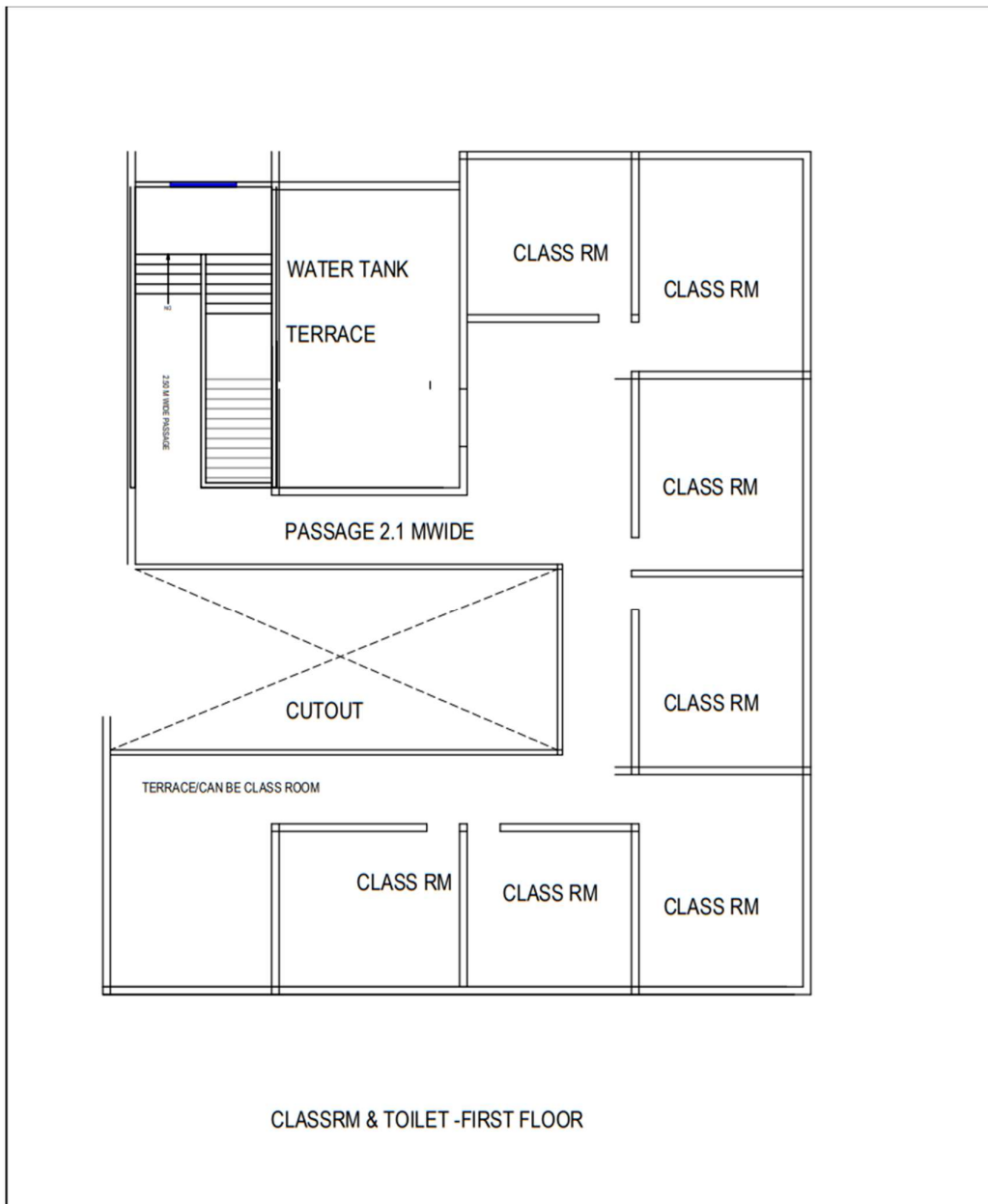


Fig: 9 (1200 Sqm)



*Fig: 10*

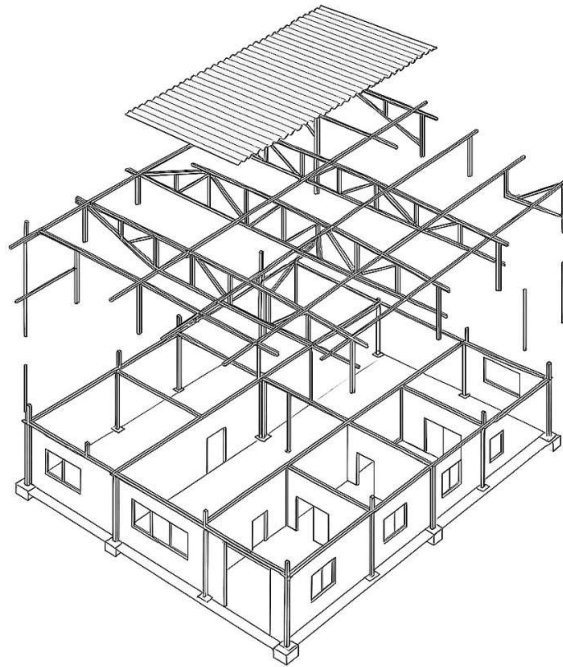




Fig: 11

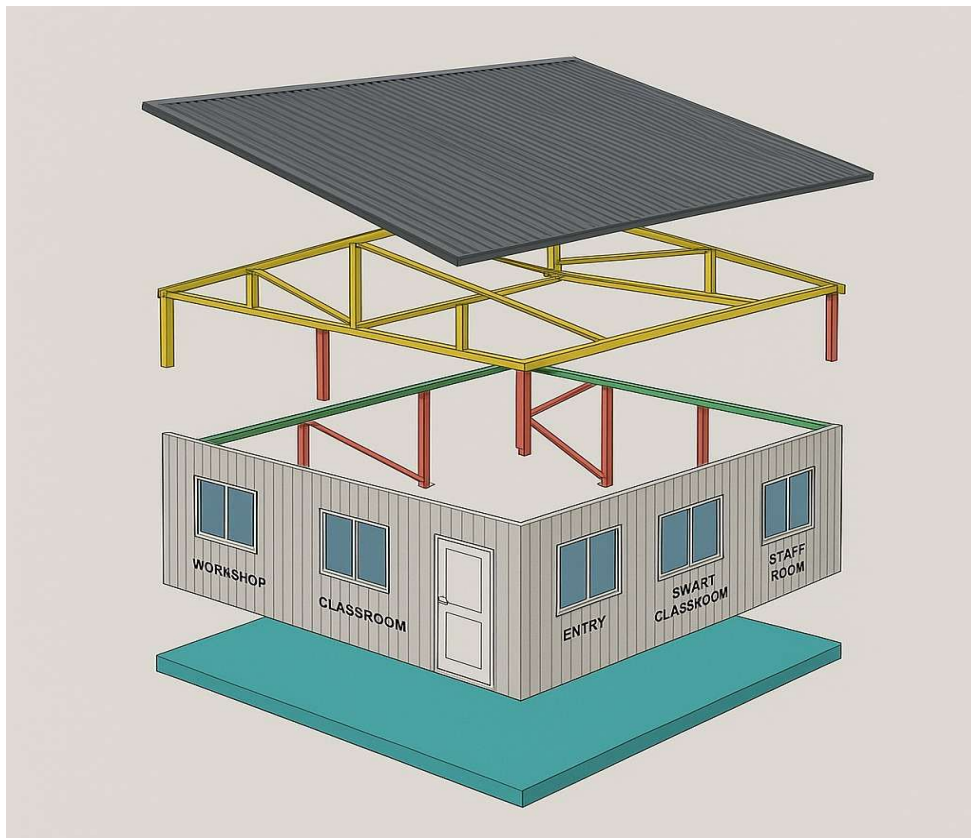
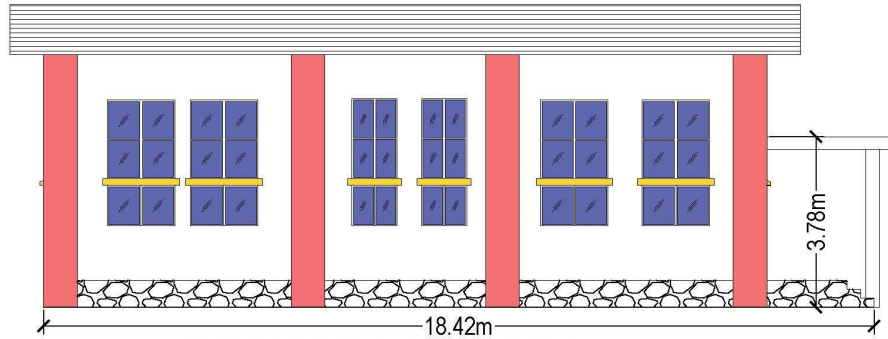
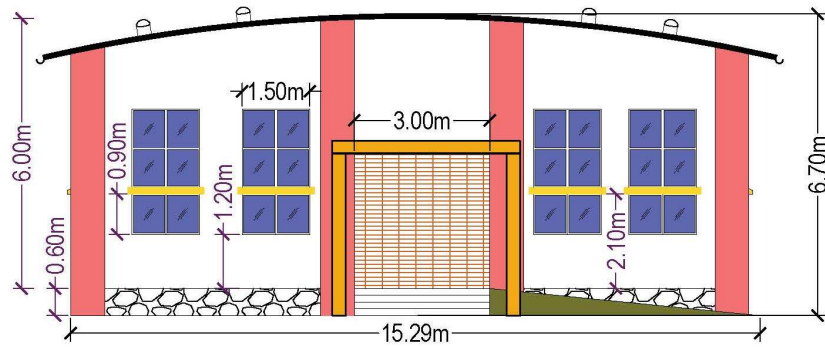


Fig: 12

ELEVATION PLAN OF 200 SQM FOR WORKSHOPS, CLASSROOMS &  
SMART CLASSROOM FOR 1 TRADE AND 2 UNITS

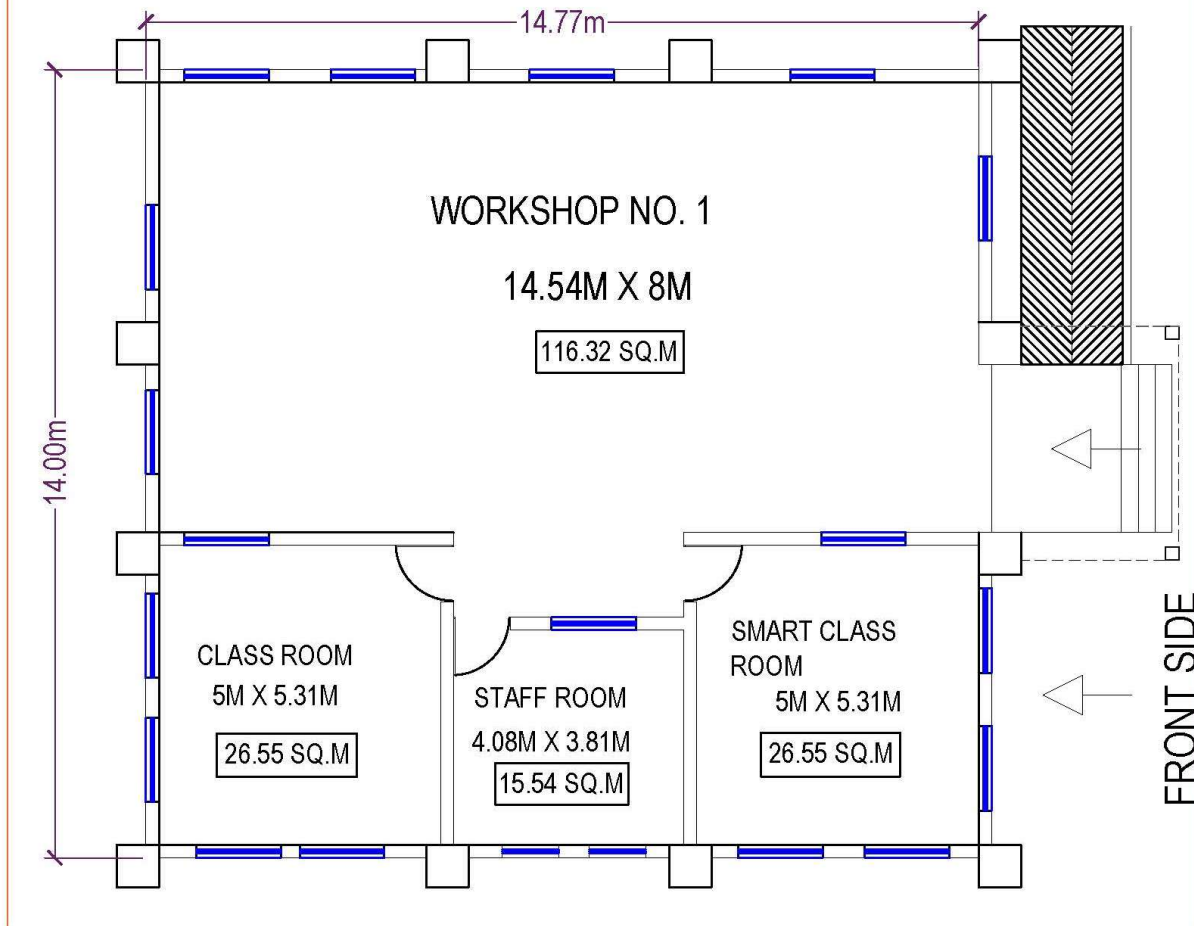


**SIDE ELEVATION**

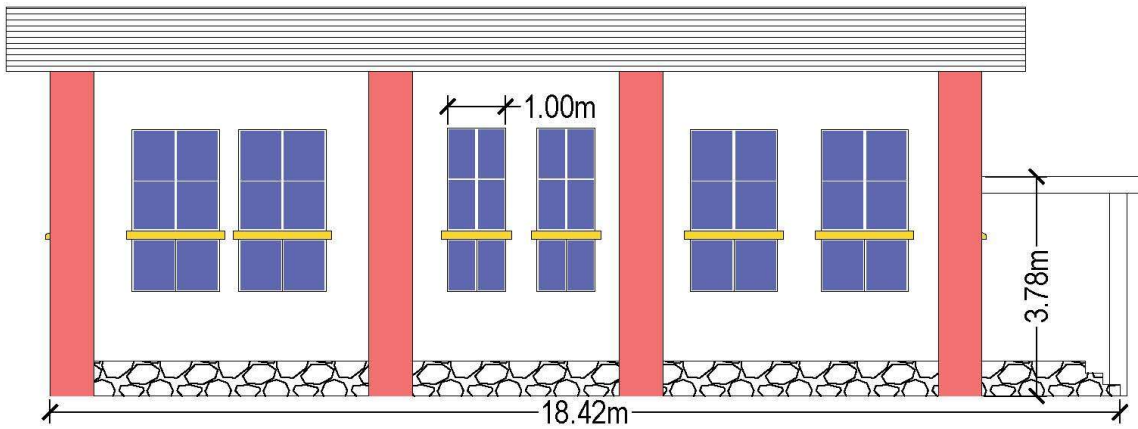


**FRONT ELEVATION**

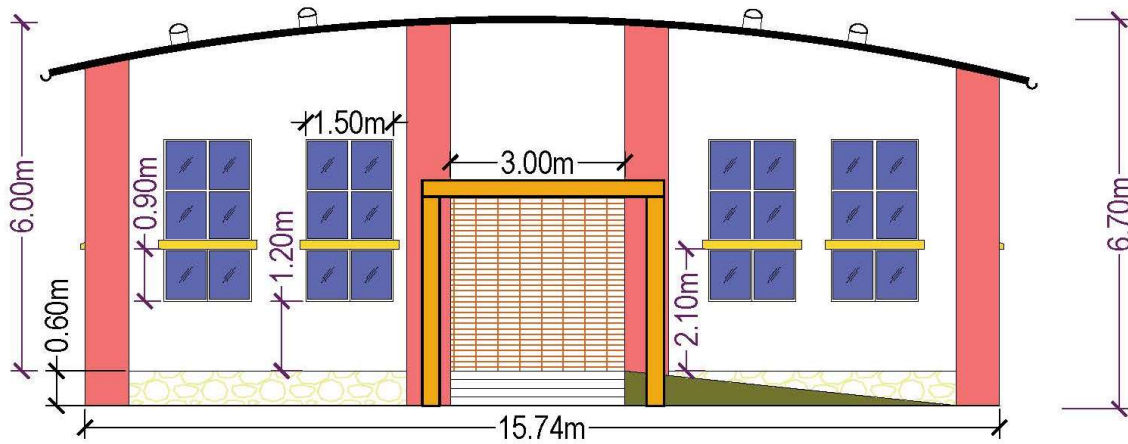
LAYOUT PLAN OF 200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 1 TRADE AND 2 UNITS



ELEVATION PLAN OF 200 SQM FOR WORKSHOPS, CLASSROOMS &  
SMART CLASSROOM FOR 2 TRADE AND 2 UNITS

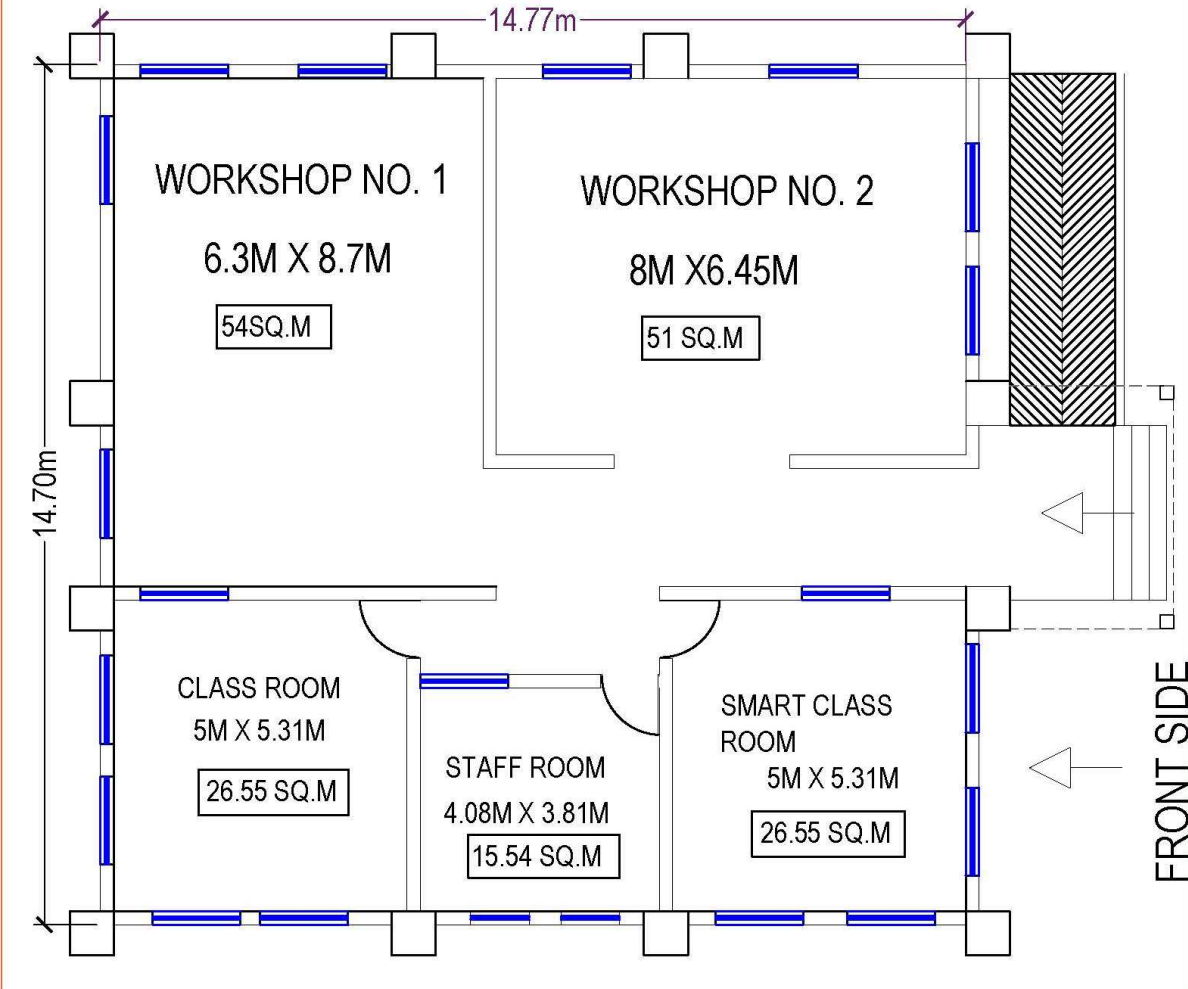


**SIDE ELEVATION**

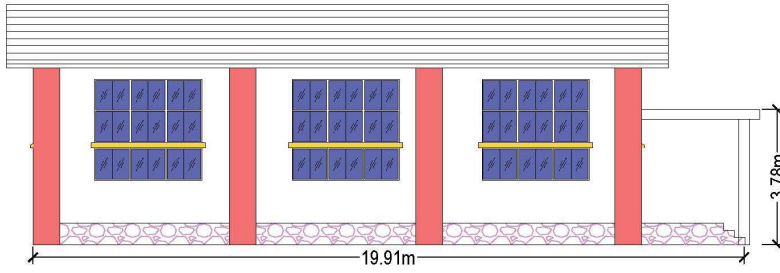


**FRONT ELEVATION**

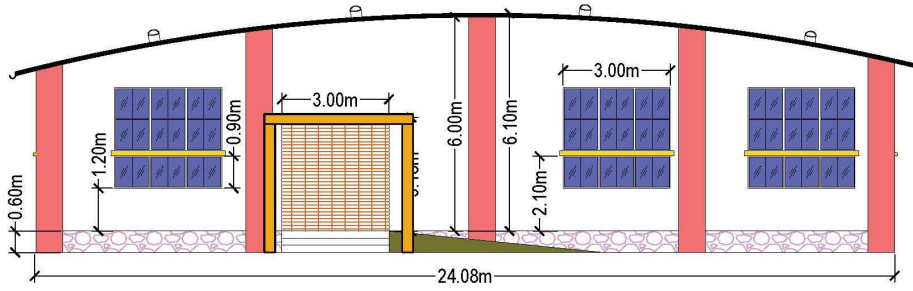
LAYOUT PLAN OF 200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 2 TRADE AND 2 UNITS



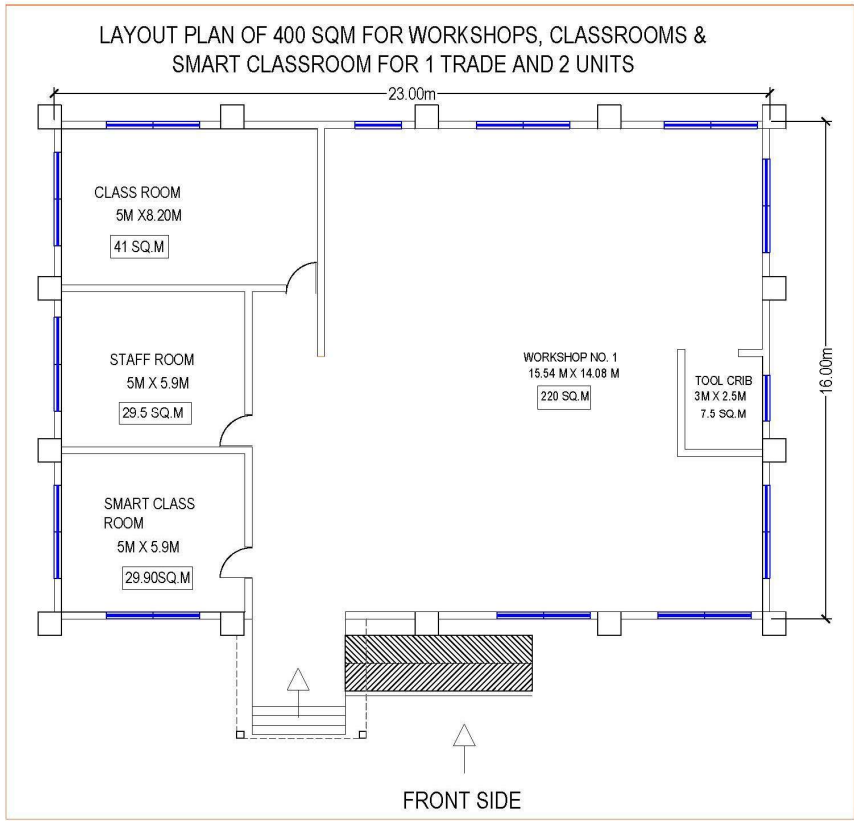
ELEVATION PLAN OF 400 SQM FOR WORKSHOPS, CLASSROOMS &  
SMART CLASSROOM FOR 1 TRADE AND 2 UNITS

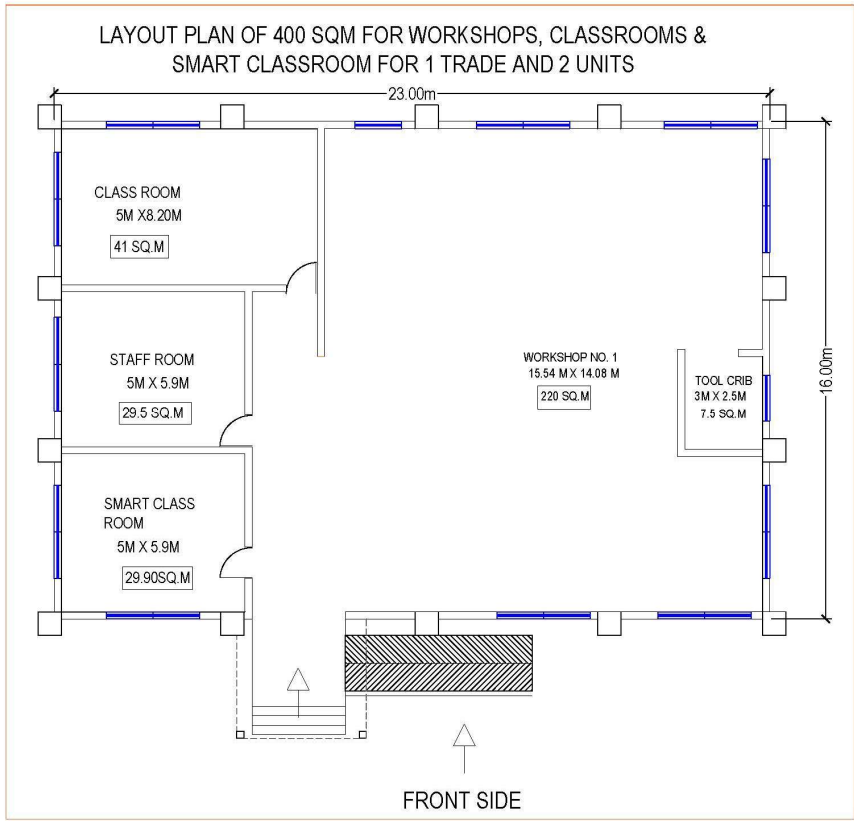


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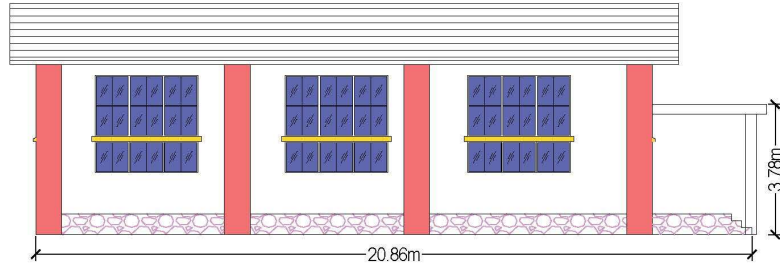


FRONT ELEVATION

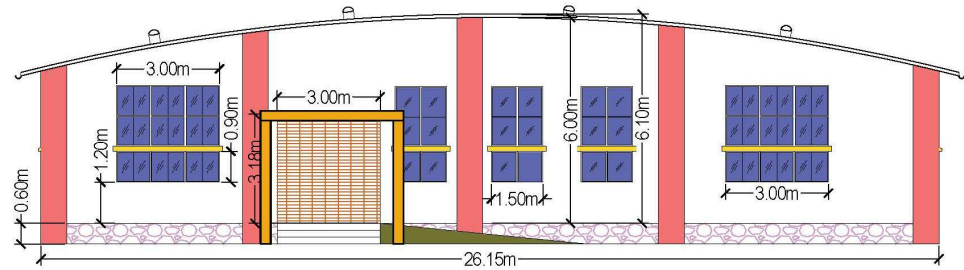




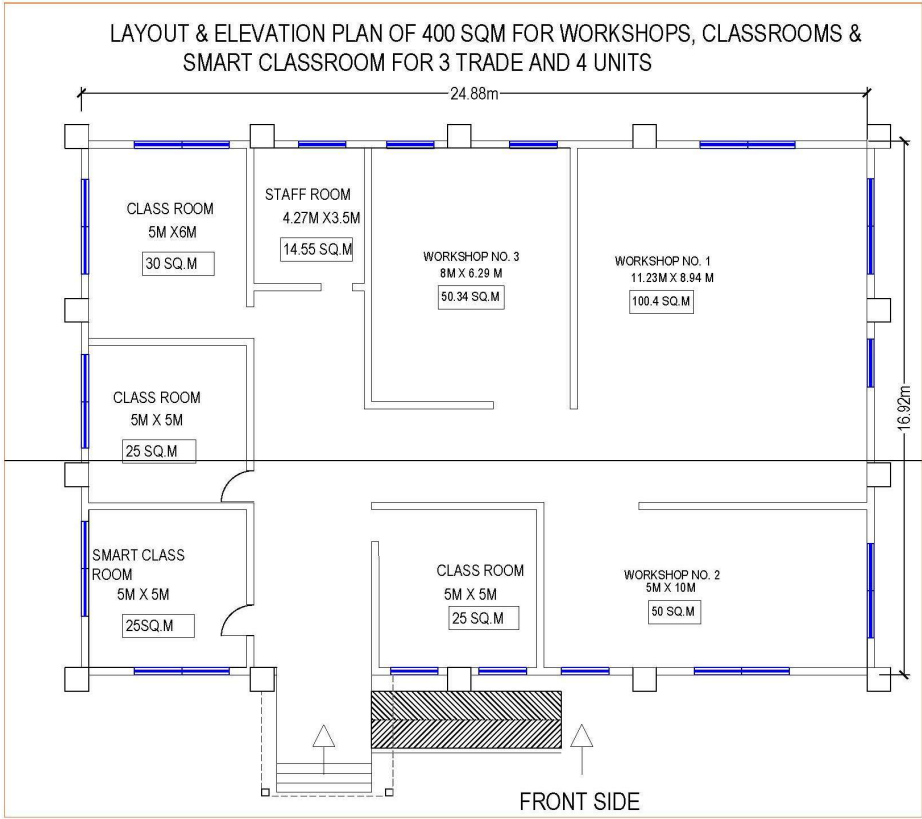
ELEVATION PLAN OF 400 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 3 TRADE AND 4 UNITS



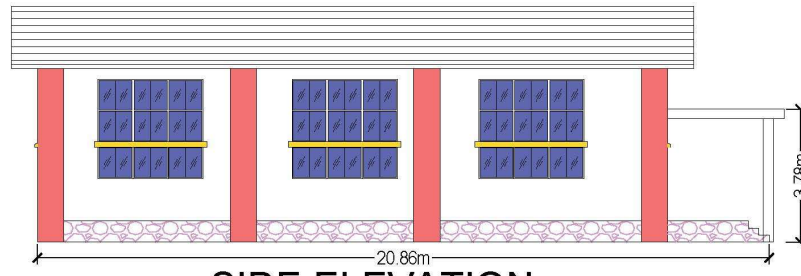
**SIDE ELEVATION**



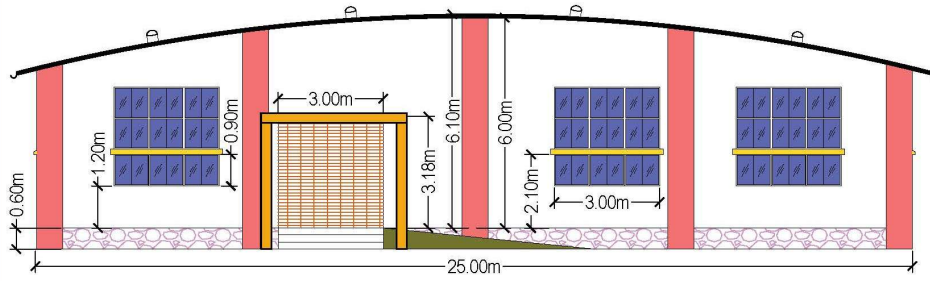
**FRONT ELEVATION**



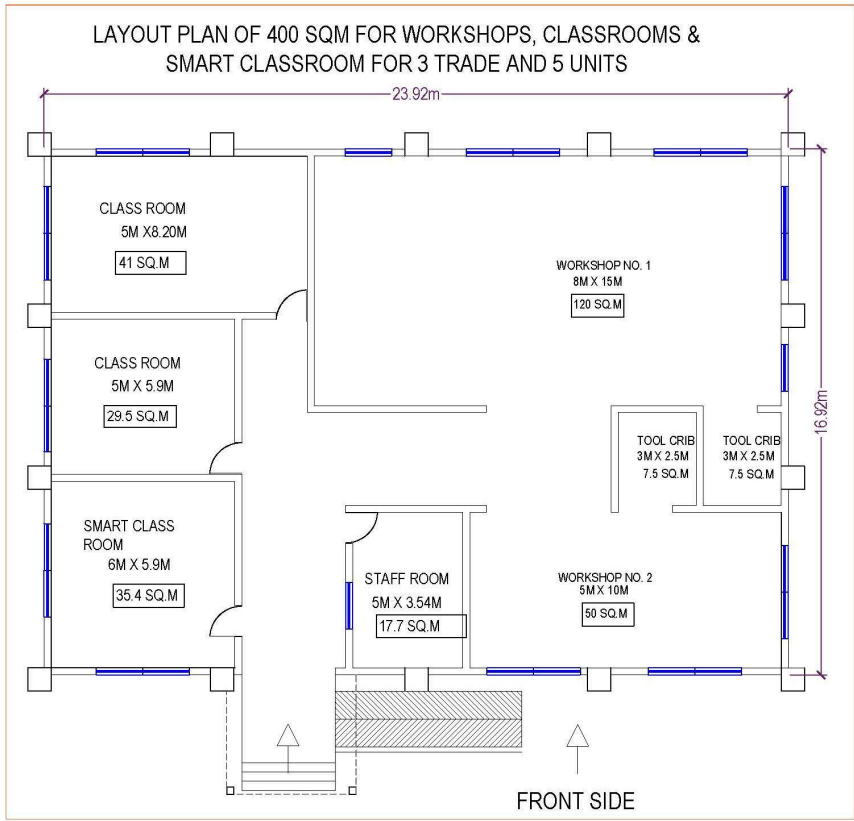
ELEVATION PLAN OF 400 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 3 TRADE AND 5 UNITS



SIDE ELEVATION

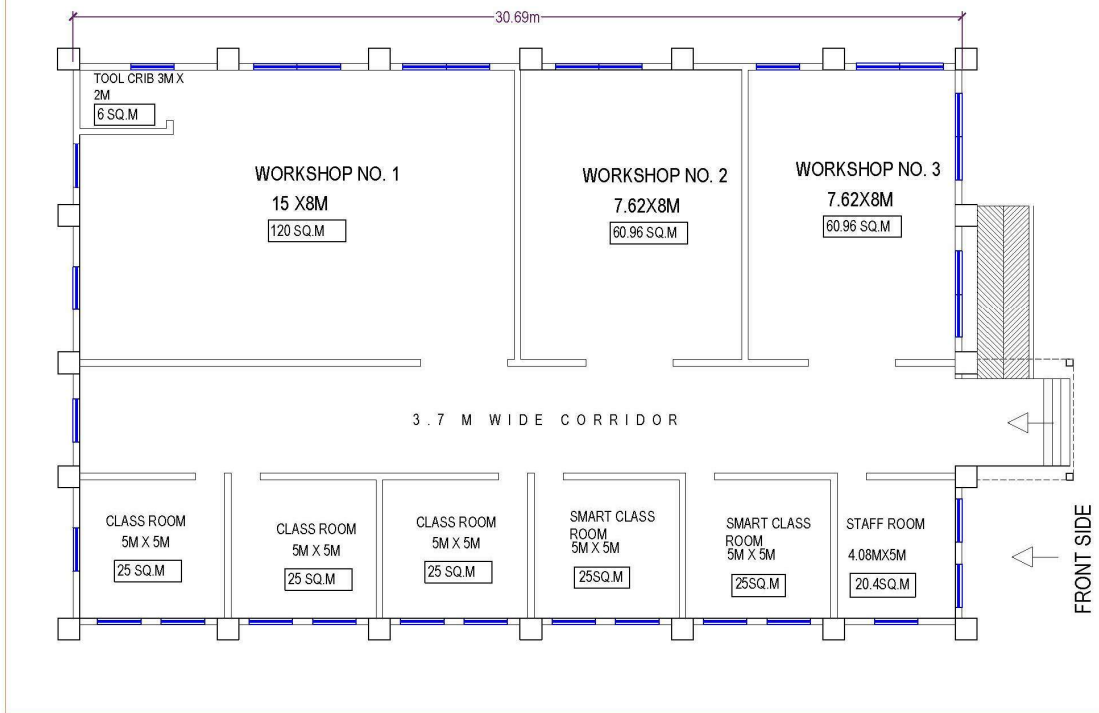


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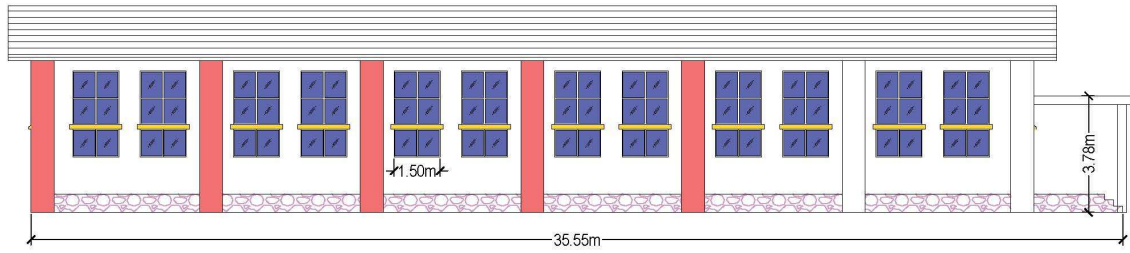




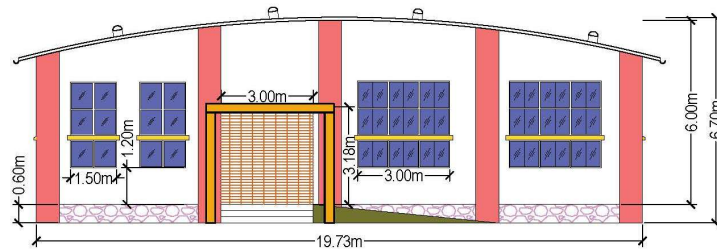
LAYOUT PLAN OF 600 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 3 TRADE AND 5 UNITS



LAYOUT PLAN OF 600 SQM FOR WORKSHOPS, CLASSROOMS &  
SMART CLASSROOM FOR 4 TRADE AND 6 UNITS

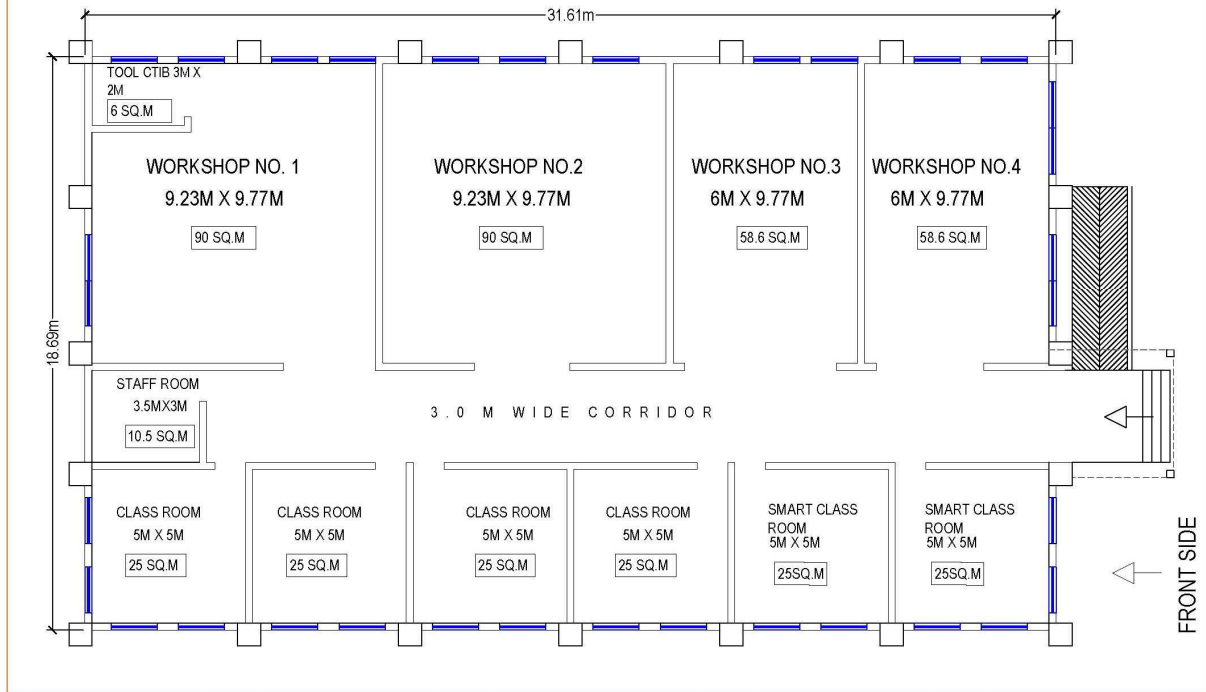


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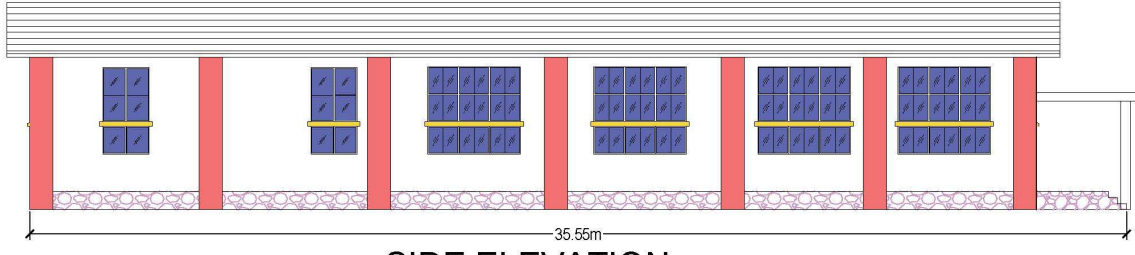


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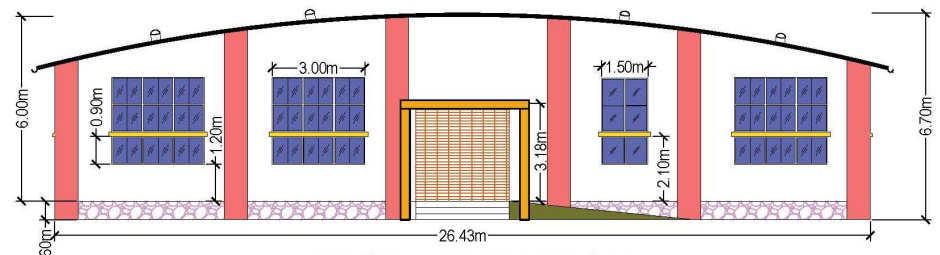
## LAYOUT PLAN OF 600 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 4 TRADE AND 6 UNITS



ELEVATION PLAN OF 800 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 3 TRADE AND 6 UNITS

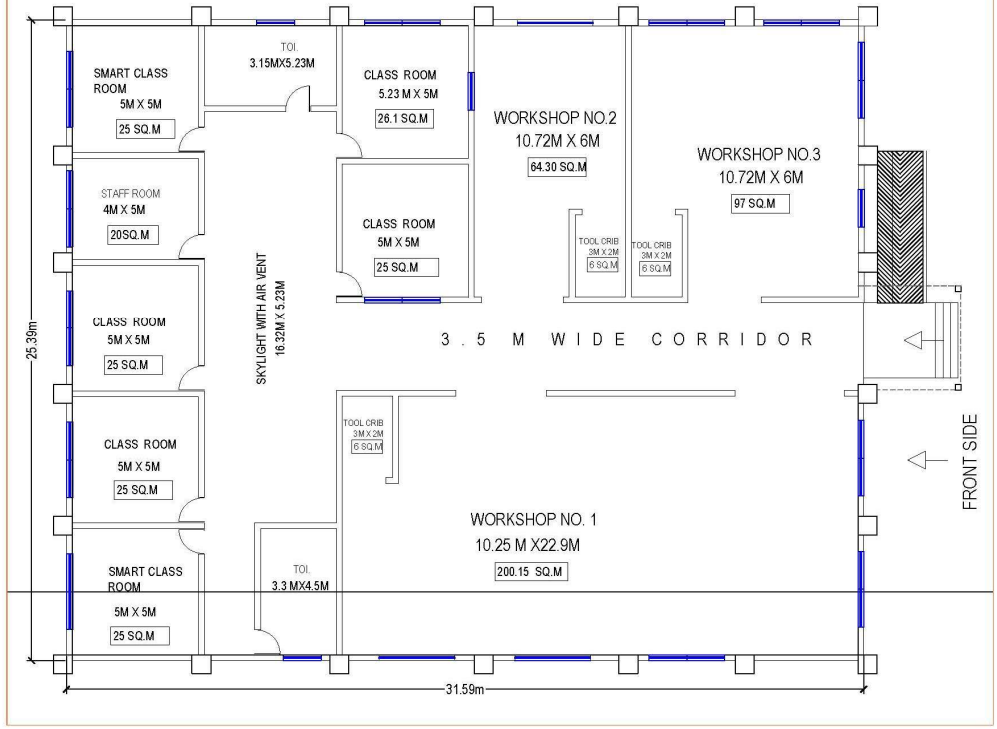


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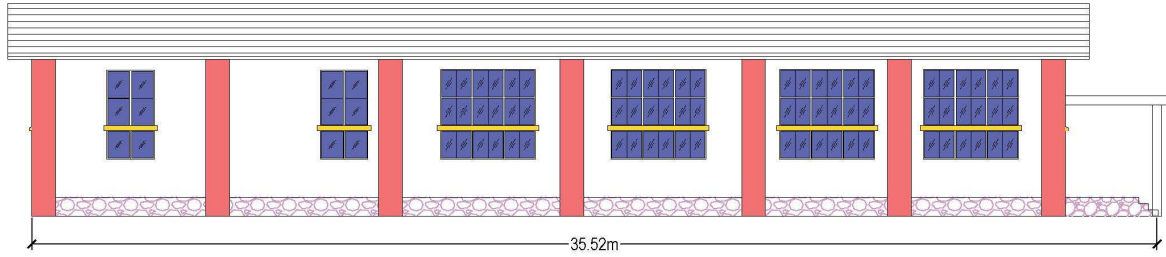


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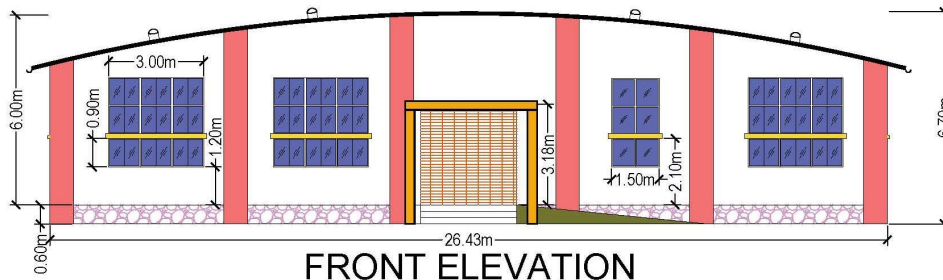
LAYOUT PLAN OF 800 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 3 TRADE AND 6 UNITS



ELEVATION PLAN OF 800 SQM FOR WORKSHOPS, CLASSROOMS &  
SMART CLASSROOM FOR 4 TRADE AND 6 UNITS

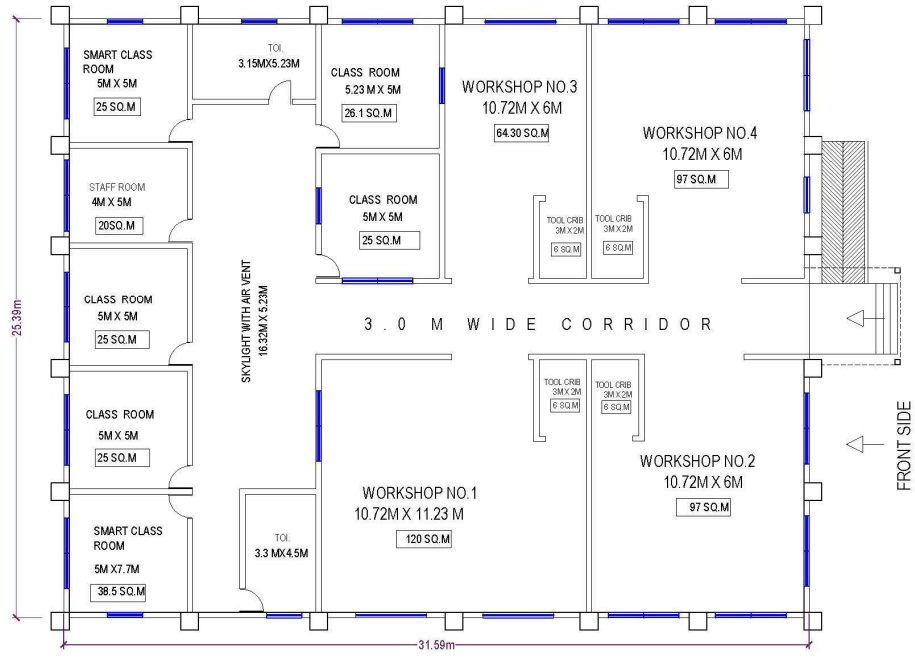


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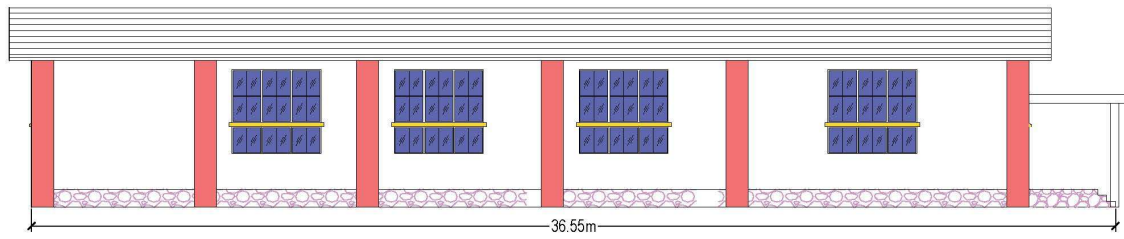


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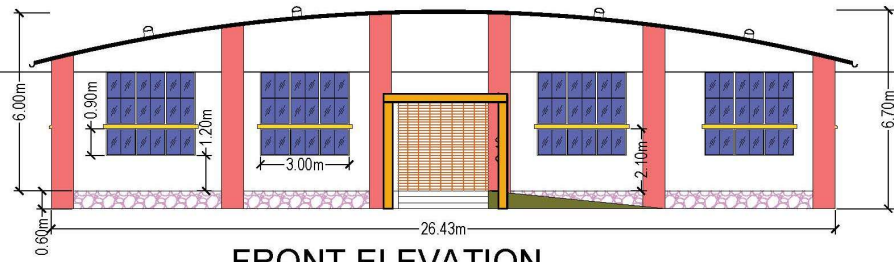
LAYOUT PLAN OF 800 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 4 TRADE AND 6 UNITS



ELEVATION PLAN OF 800 SQM FOR WORKSHOPS, CLASSROOMS &  
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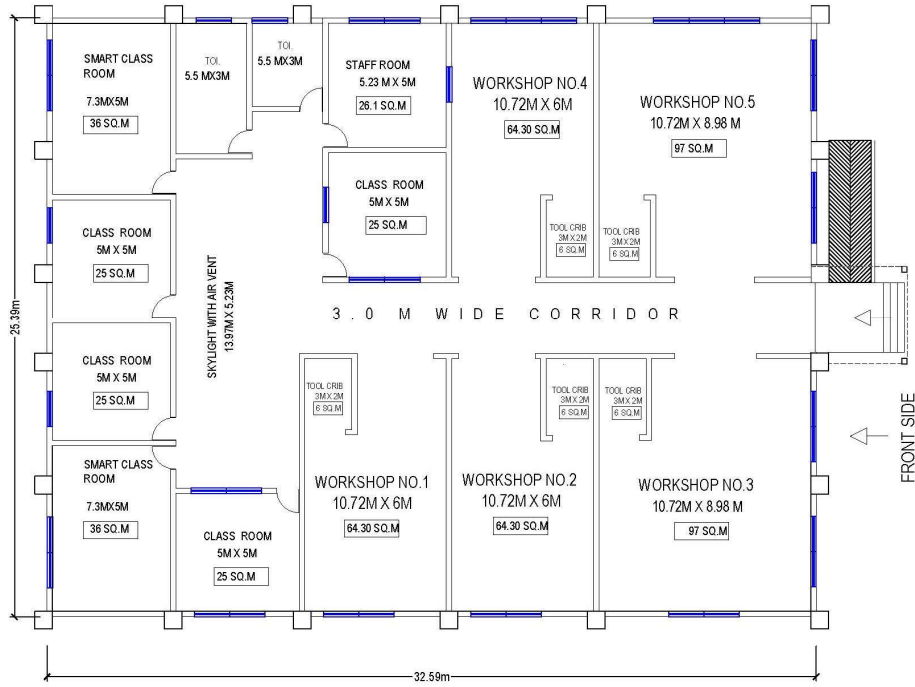


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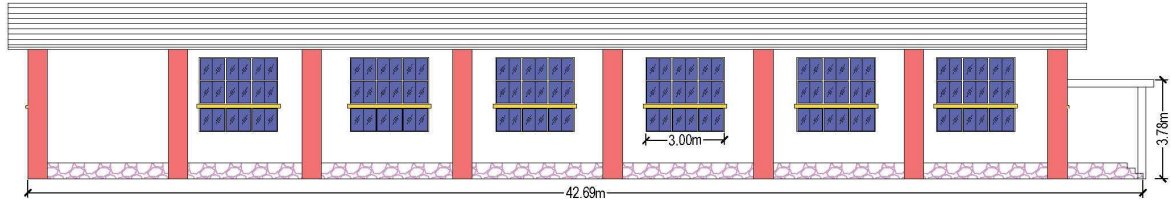


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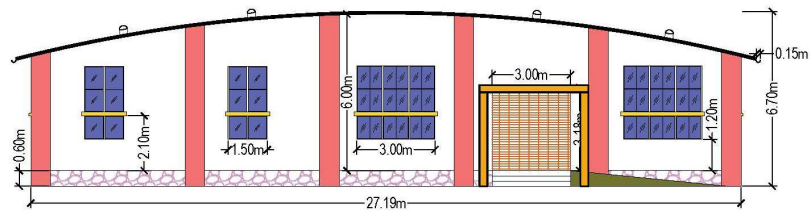
LAYOUT PLAN OF 800 SQM FOR WORKSHOPS, CLASSROOMS &  
SMART CLASSROOM FOR 5 TRADE AND 6 UNITS



# ELEVATION PLAN OF 1000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 3 TRADE AND 4 UNITS

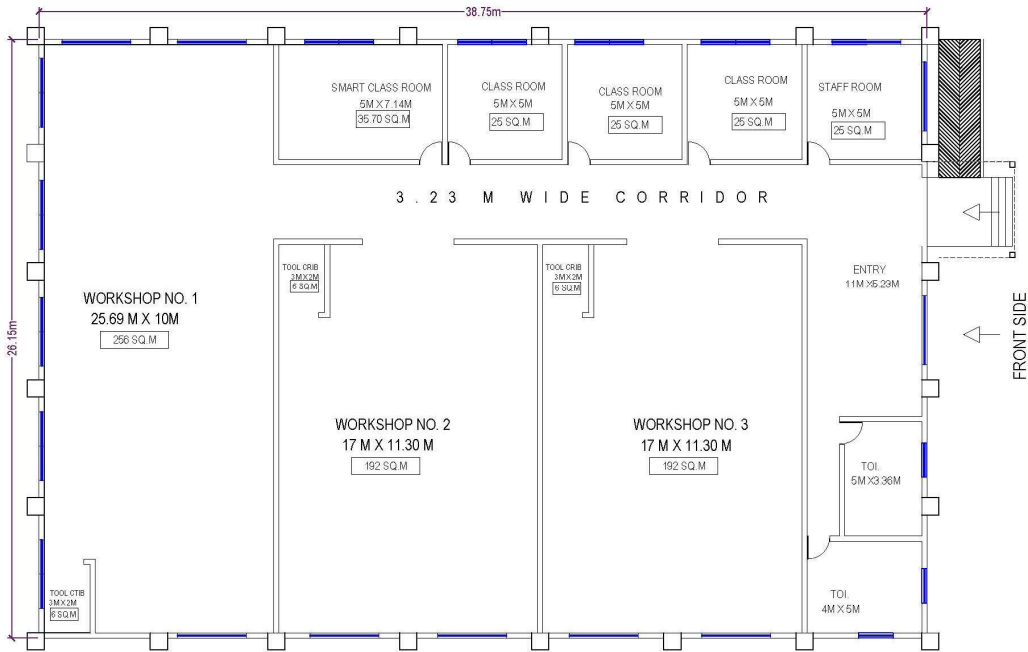


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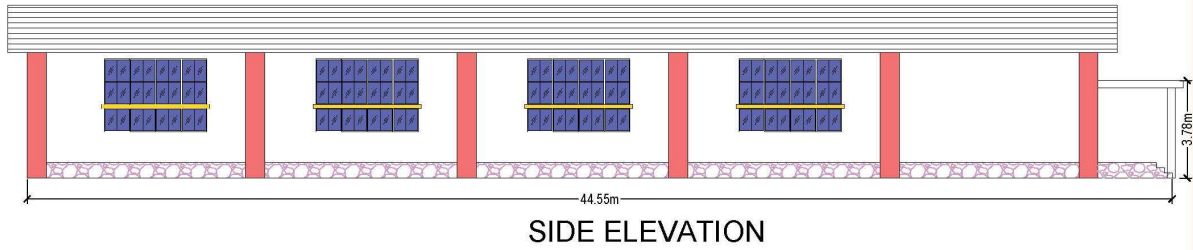


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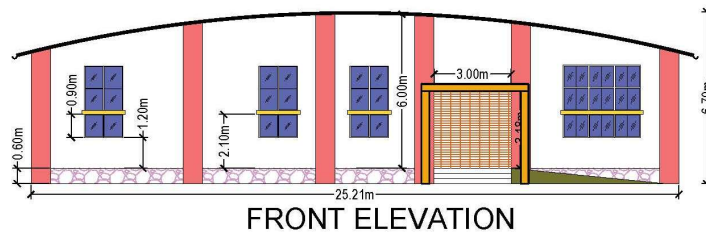
## LAYOUT PLAN OF 1000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 3 TRADE AND 4 UNITS



# LAYOUT PLAN OF 1000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 4 TRADE AND 6 UNITS

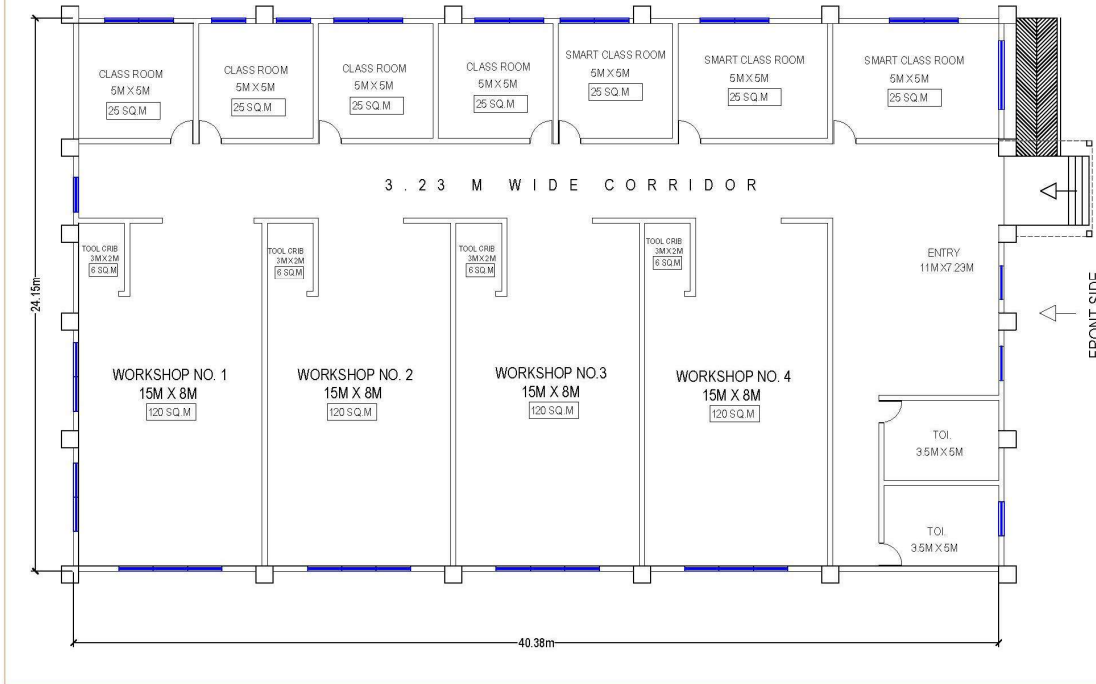


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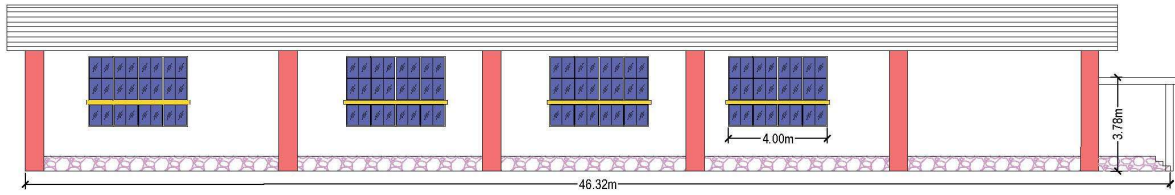


FRONT ELEVATION

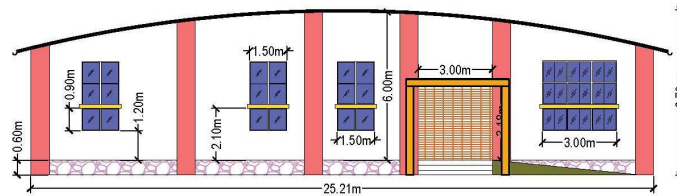
# LAYOUT PLAN OF 1000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 4 TRADE AND 6 UNITS



## LAYOUT PLAN OF 1000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 5 TRADE AND 7 UNITS



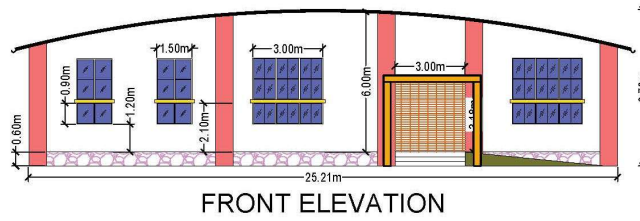
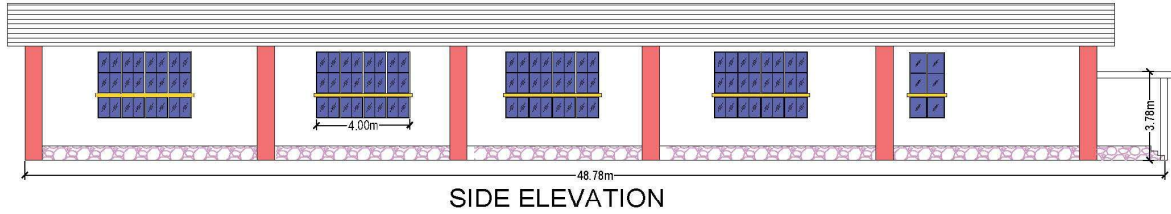
SIDE ELEVATION



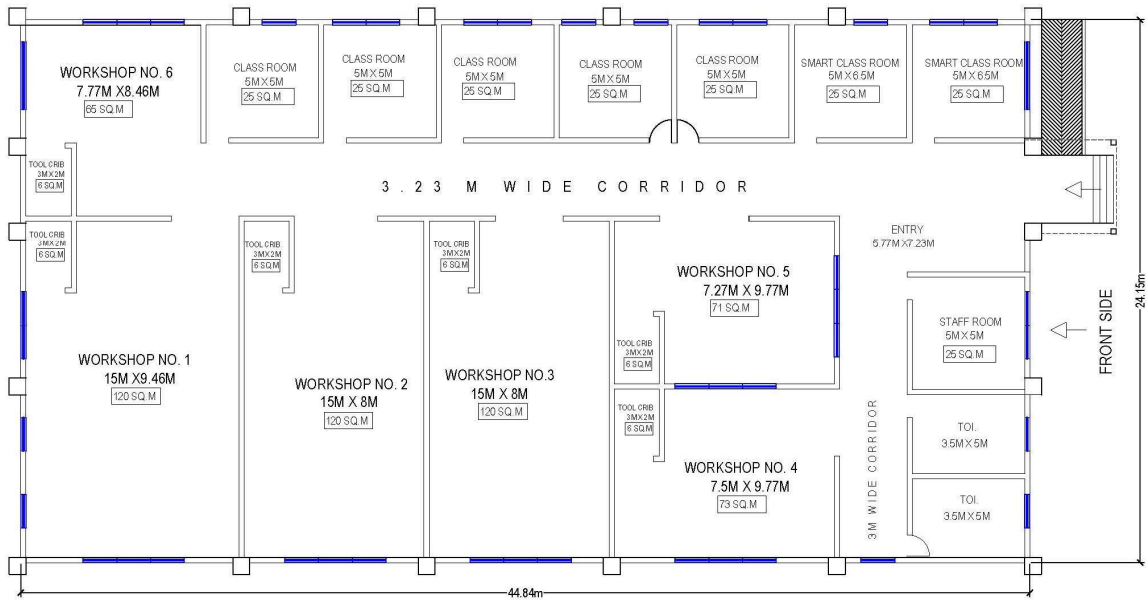
FRONT ELEVATION



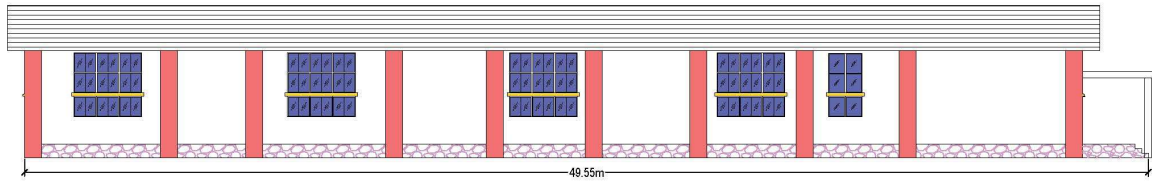
# LAYOUT PLAN OF 1000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 6 TRADE AND 7 UNITS



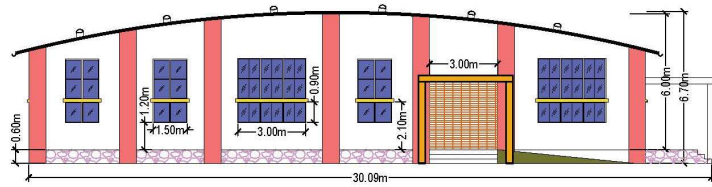
# LAYOUT PLAN OF 1000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 6 TRADE AND 7 UNITS



# ELEVATION PLAN OF 1200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 4 TRADE AND 6 UNITS

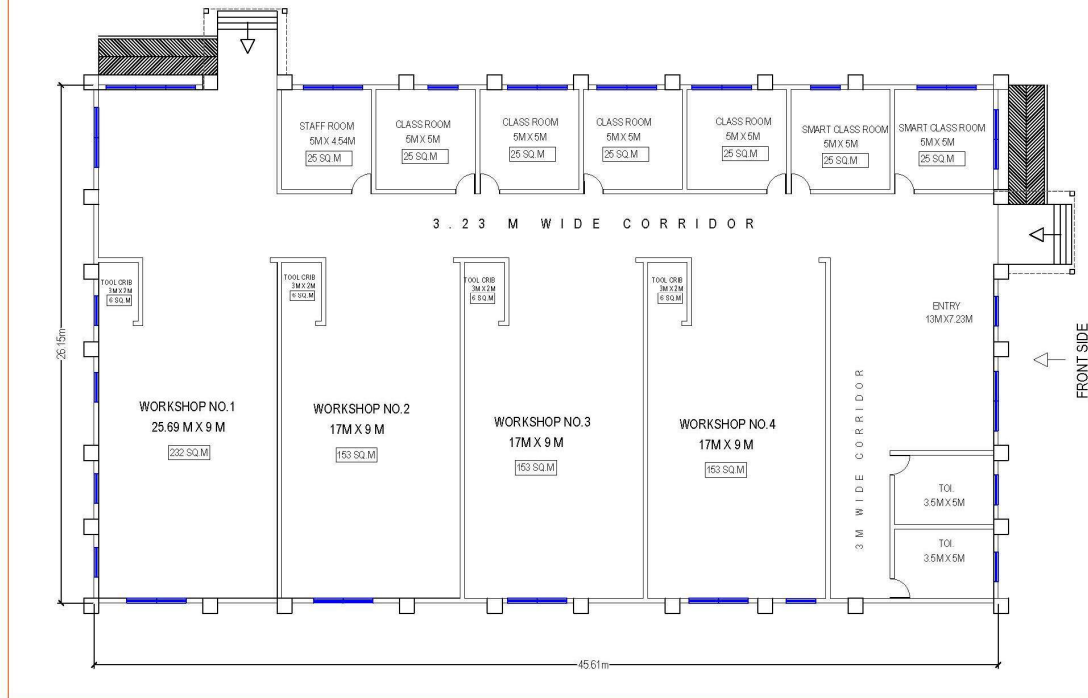


SIDE ELEVATION

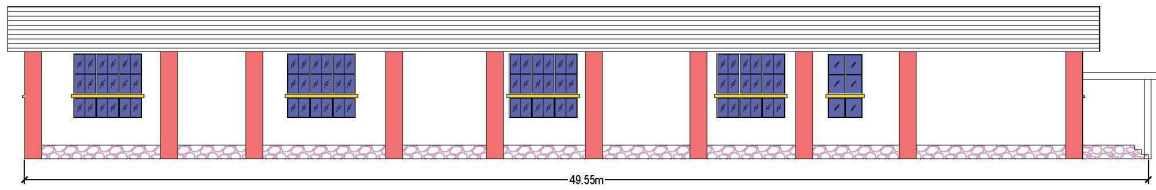


FRONT ELEVATION

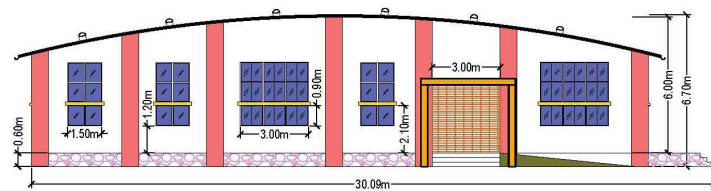
## LAYOUT PLAN OF 1200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 4 TRADE AND 6 UNITS



# ELEVATION PLAN OF 1200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 5 TRADE AND 7 UNITS

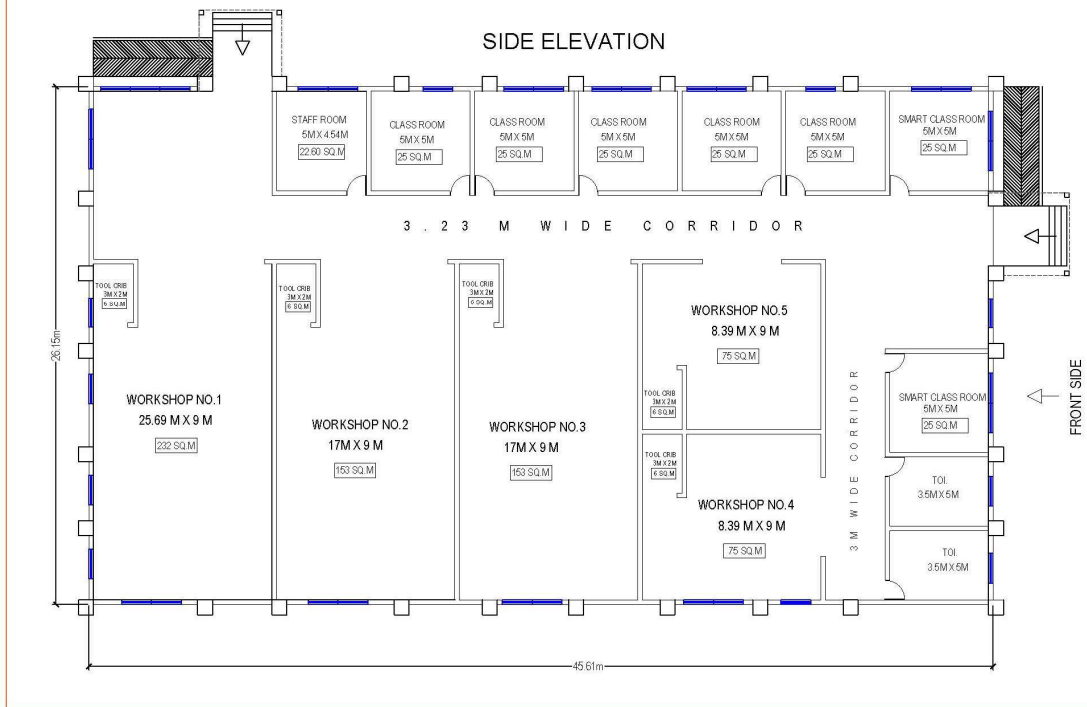


SIDE ELEVATION

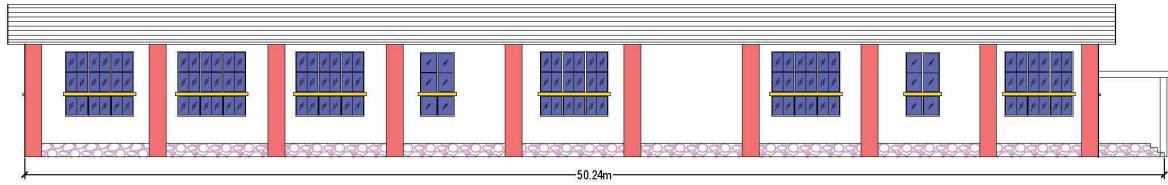


FRONT ELEVATION

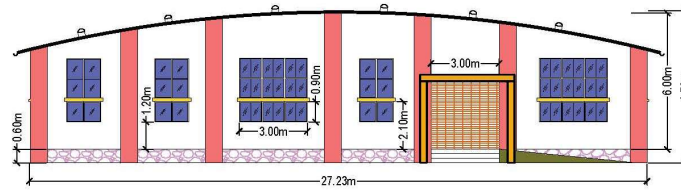
# LAYOUT PLAN OF 1200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 5 TRADE AND 7 UNITS



# ELEVATION PLAN OF 1200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 7 TRADE AND 9 UNITS

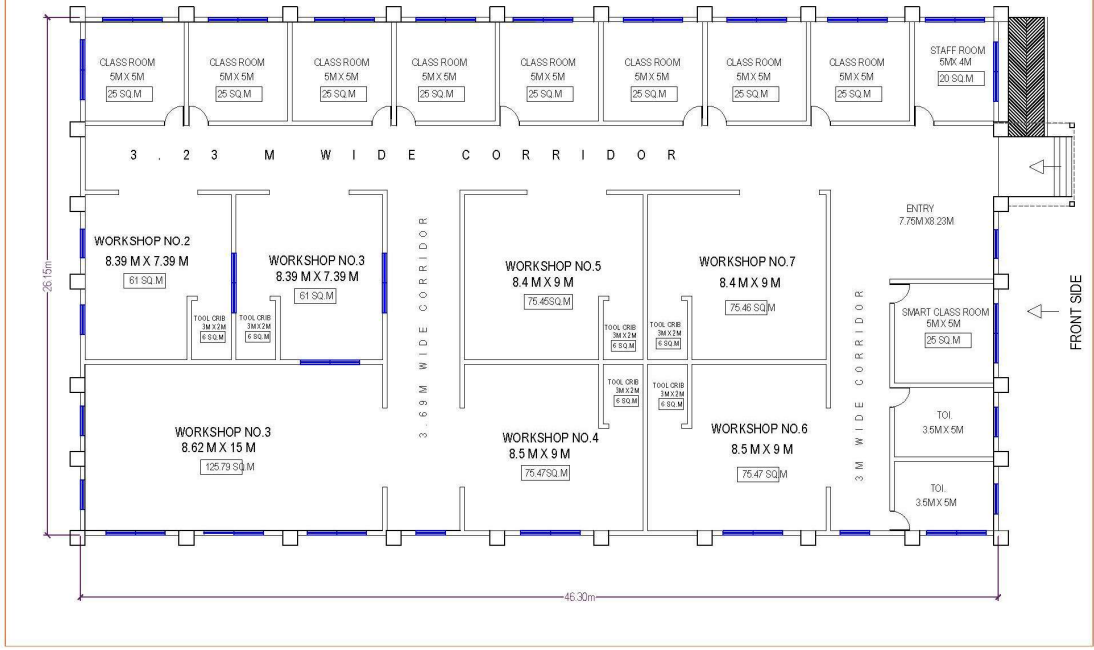


SIDE ELEVATION

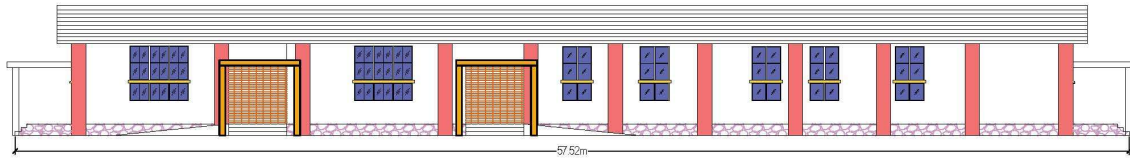


FRONT ELEVATION

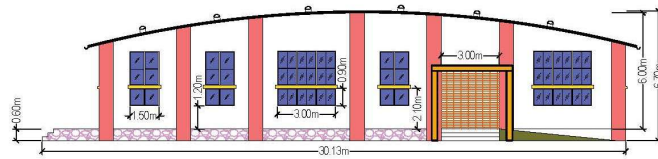
# LAYOUT PLAN OF 1200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 7 TRADE AND 9 UNITS



ELEVATION PLAN OF 1200 SQM FOR WORKSHOPS, CLASSROOMS &  
SMART CLASSROOM FOR 8 TRADE AND 10 UNITS

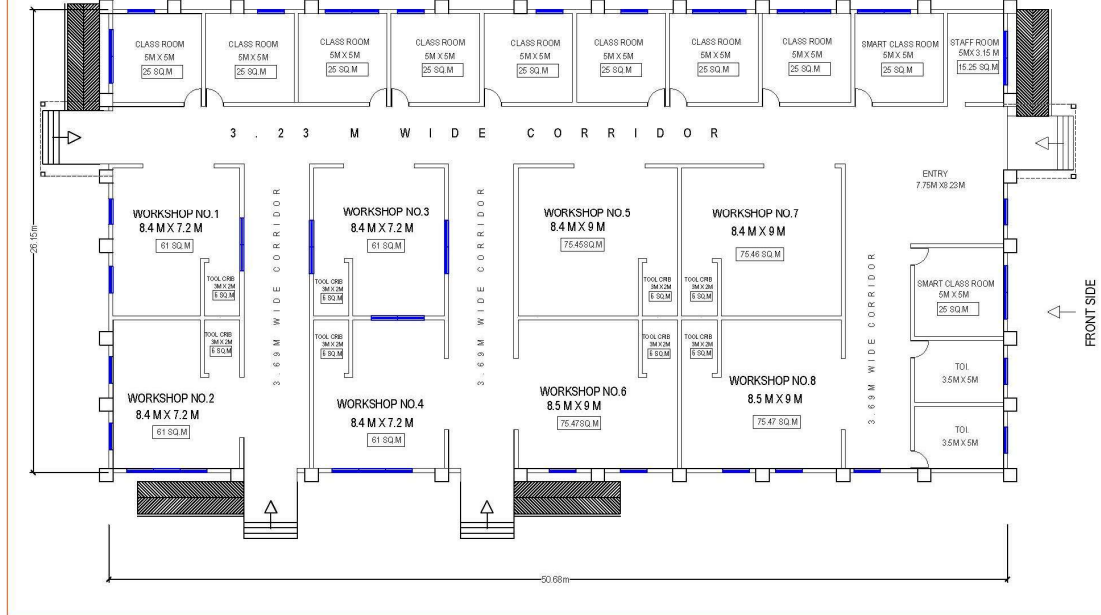


SIDE ELEVATION

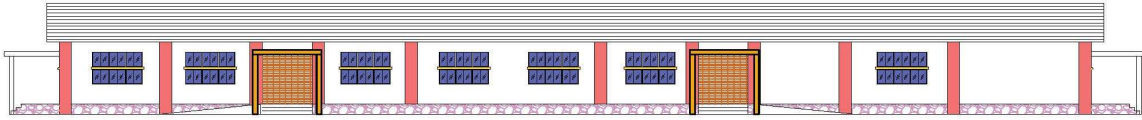


FRONT ELEVATION

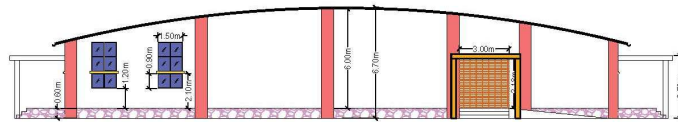
# LAYOUT PLAN OF 1200 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 8 TRADE AND 10 UNITS



# ELEVATION PLAN OF 2000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 8 TRADE AND 10 UNITS

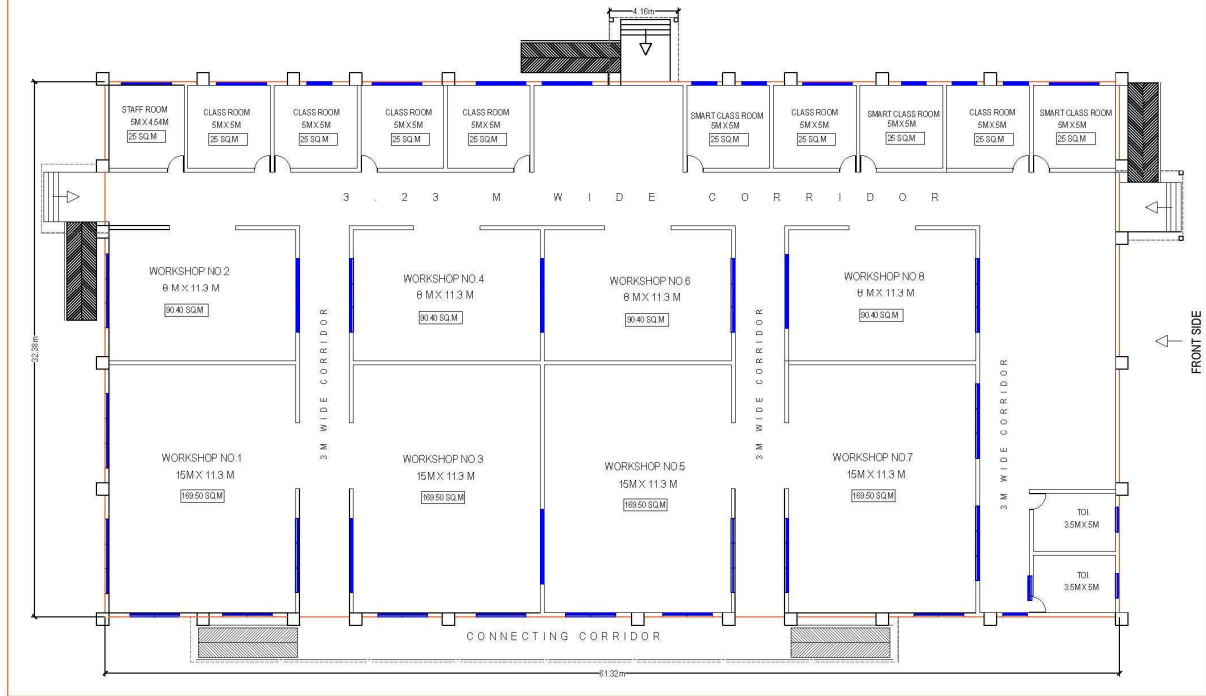


SIDE ELEVATION



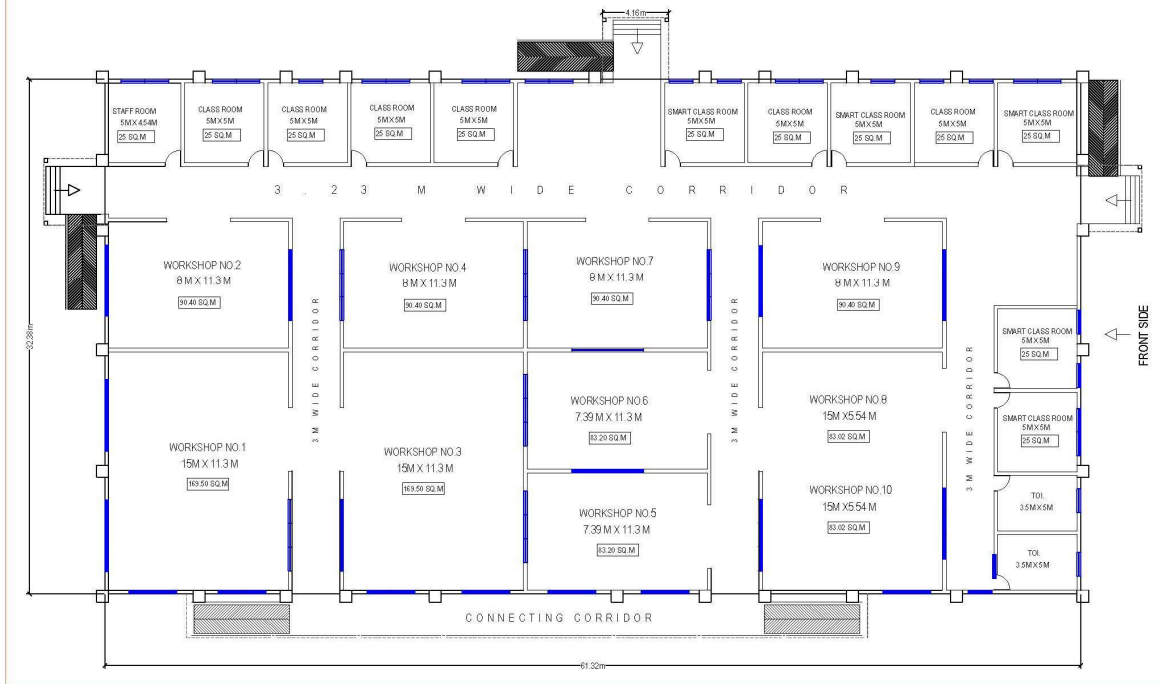
FRONT ELEVATION

# LAYOUT PLAN OF 2000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 8 TRADE AND 10 UNITS

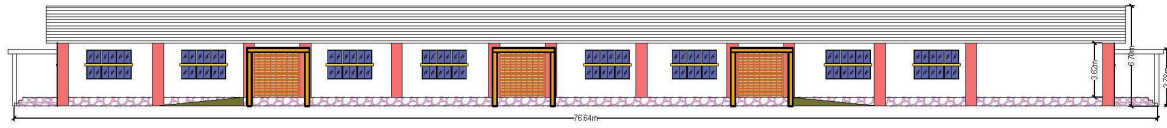




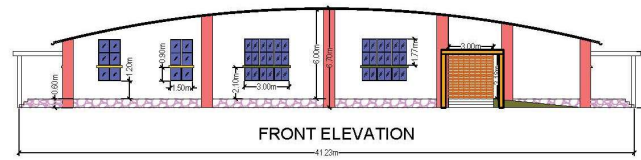
# LAYOUT PLAN OF 2000 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 10 TRADE AND 12 UNITS



# ELEVATION PLAN OF 2400 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 10 TRADE AND 12 UNITS

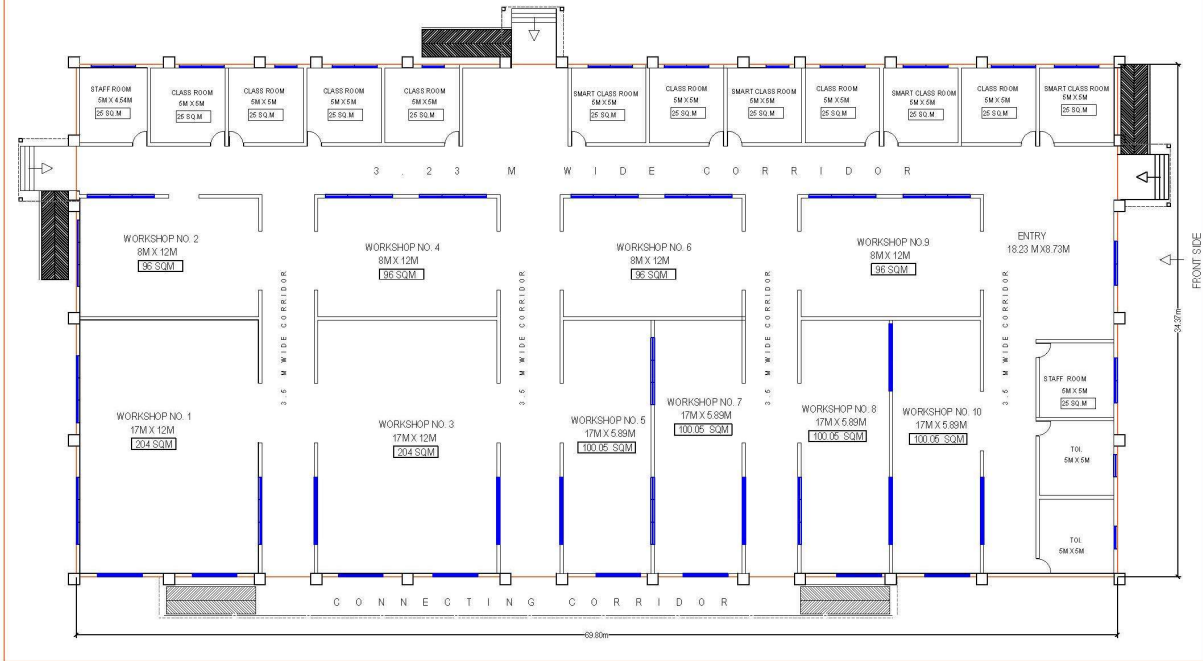


SIDE ELEVATION

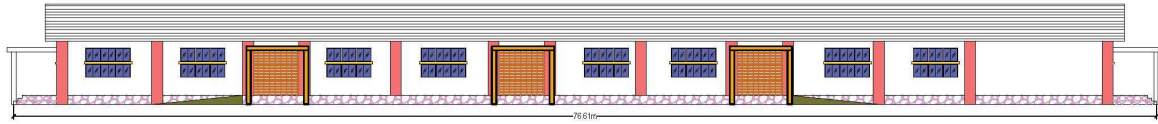


FRONT ELEVATION

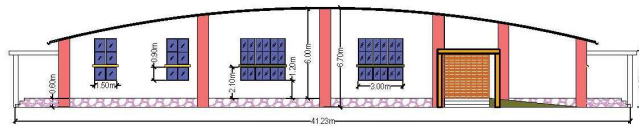
# LAYOUT PLAN OF 2400 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 10 TRADE AND 12 UNITS



# ELEVATION PLAN OF 2400 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 12 TRADE AND 13 UNITS

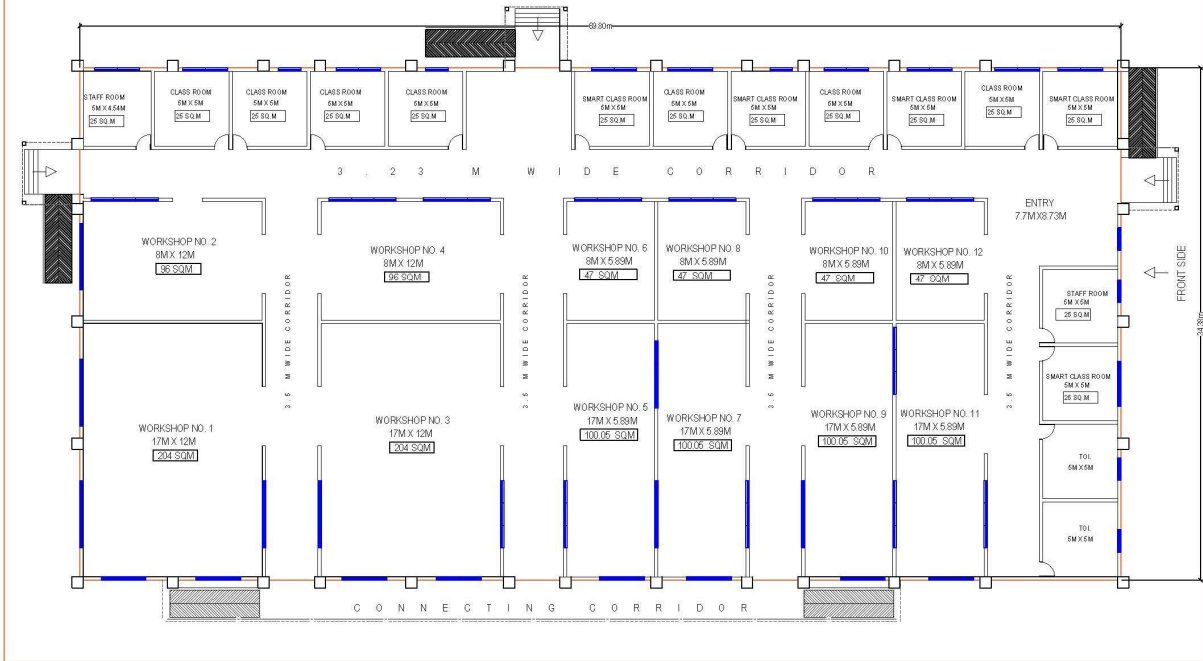


SIDE ELEVATION



FRONT ELEVATION

## LAYOUT PLAN OF 2400 SQM FOR WORKSHOPS, CLASSROOMS & SMART CLASSROOM FOR 12 TRADE AND 13 UNITS



### 2.5 Consignees:

Detailed Name and Location of Consignees with Quantity are given below

Sr. No.	Name of Region	Name of District	MIS Code of ITI	Name of ITI	Number of Trade Proposed in Prefab Building	Area in SqM Proposed for Prefab construction
1.	Amravati	Amravati	GR27000013	Govt ITI Amravati	4	800
2.	Amravati	Amravati	GU27000556	Govt ITI Rahatgaon SCP	3	800
3.	Amravati	Akola	GU27000225	Govt ITI Akola (Women)	1	200
4.	Amravati	Buldhana	GR27000026	Govt ITI Khamgaon	3	800
5.	Amravati	Buldhana	GR27000433	Govt ITI Nandura	2	800
6.	Amravati	Washim	GR27000518	Govt ITI Manora	2	400
7.	Amravati	Yavatmal	GR27000037	Govt ITI Yavatmal	1	200
8.	Amravati	Yavatmal	GR27000416	Govt ITI Maregaon	3	800
9.	Amravati	Yavatmal	GR27000077	Govt ITI Wani	3	800
10.	Amravati	Yavatmal	GR27000291	Govt ITI Pusad	1	200
11.	Amravati	Yavatmal	GR27000417	Govt ITI Kalamb	3	800
12.	Amravati	Amravati	GR27000303	Govt ITI Achalpur	3	800
13.	Amravati	Amravati	GR27000124	Govt ITI Mozari	2	800
14.	Amravati	Akola	GR27000453	Govt ITI Patur	2	400
15.	Amravati	Akola	GR27000437	Govt ITI Telhara	1	400
16.	Amravati	Akola	GR27000436	Govt ITI Balapur	2	400
17.	Amravati	Yavatmal	GR27000465	Govt ITI Ner	3	800
18.	Amravati	Yavatmal	GR27000413	Govt ITI Digras	2	800
19.	Amravati	Yavatmal	GR27000415	Govt ITI Ralegaon	1	400
20.	Amravati	Yavatmal	GR27000414	Govt ITI Babhulgaon	3	800
21.	Amravati	Buldhana	GR27000434	Govt ITI Mehkar	2	400
22.	Amravati	Buldhana	GR27000310	Govt ITI Chikhali	1	400
23.	Nagpur	Bhandara	GR27000267	Govt ITI Bhandara (Women)	2	400
24.	Nagpur	Bhandara	GR27000083	Govt ITI Bhandara	3	800
25.	Nagpur	Chandrapur	GU27000032	Govt ITI Chandrapur	4	800
26.	Nagpur	Chandrapur	GR27000173	Govt ITI Mul	2	400
27.	Nagpur	Chandrapur	GR27000601	Govt ITI Pombhurna	1	400
28.	Nagpur	Chandrapur	GR27000127	Govt ITI Warora	11	2000
29.	Nagpur	Chandrapur	GR27000172	Govt ITI Rajura	2	400
30.	Nagpur	Gadchiroli	GR27000129	Govt ITI Allapalli	2	400
31.	Nagpur	Gadchiroli	GR27000335	Govt ITI Armori	3	600
32.	Nagpur	Gadchiroli	GR27000336	Govt ITI Chamorshi	1	400
33.	Nagpur	Gadchiroli	GR27000341	Govt ITI Dhanora	3	400
34.	Nagpur	Gadchiroli	GR27000337	Govt ITI Etapalli	2	800
35.	Nagpur	Gadchiroli	GR27000084	Govt ITI Gadchiroli	4	800
36.	Nagpur	Gadchiroli	GR27000333	Govt ITI Korchi	1	200
37.	Nagpur	Gadchiroli	GR27000338	Govt ITI Sironcha	1	200
38.	Nagpur	Gadchiroli	GR27000528	Govt ITI Ramgad	1	200
39.	Nagpur	Gondiya	GR27000214	Govt ITI Salekasa	3	600
40.	Nagpur	Nagpur	GR27000011	Govt ITI Nagpur	6	600
41.	Nagpur	Nagpur	GU27000717	Govt ITI Nagpur (SCP)	3	600

42.	Nagpur	Nagpur	GU27000445	Govt ITI Butibori	2	400
43.	Nagpur	Nagpur	GR27000131	Govt ITI Umred	4	800
44.	Nagpur	Wardha	GR27000512	Govt ITI Seloo	2	400
45.	Chhatrapati Sambhajnagar	Beed	GR27000386	Govt ITI Patoda	3	800
46.	Chhatrapati Sambhajnagar	Beed	GR27000388	Govt ITI, Ambejogai	3	800
47.	Chhatrapati Sambhajnagar	Beed	GR27000278	Govt ITI, Dharur	2	800
48.	Chhatrapati Sambhajnagar	Beed	GR27000389	Govt ITI, Kej,	3	800
49.	Chhatrapati Sambhajnagar	Beed	GU27000471	Govt ITI, Gevrai	1	200
50.	Chhatrapati Sambhajnagar	Chhatrapati Sambhajnagar	GU27000016	Govt ITI, Chhatrapati Sambhajnagar	4	1000
51.	Chhatrapati Sambhajnagar	Chhatrapati Sambhajnagar	GR27000543	Govt ITI, Phulambri	3	800
52.	Chhatrapati Sambhajnagar	Dharashiv	GR27000176	Govt ITI, Bhum	4	800
53.	Chhatrapati Sambhajnagar	Dharashiv	GR27000393	Govt ITI, Paranda	4	800
54.	Chhatrapati Sambhajnagar	Dharashiv	GR27000177	Govt ITI, Umarga	3	800
55.	Chhatrapati Sambhajnagar	Hingoli	GR27000293	Govt ITI, Hingoli	6	1000
56.	Chhatrapati Sambhajnagar	Hingoli	GR27000418	Govt ITI, Kalamnuri	3	800
57.	Chhatrapati Sambhajnagar	Jalna	GR27000062	Govt ITI, Jalna	5	800
58.	Chhatrapati Sambhajnagar	Latur	GR27000569	Govt ITI, Devani	3	800
59.	Chhatrapati Sambhajnagar	Latur	GR27000030	Govt ITI, Latur	7	1000
60.	Chhatrapati Sambhajnagar	Latur	GR27000574	Govt ITI, Shirur Anantpal	4	800
61.	Chhatrapati Sambhajnagar	Nanded	GR27000598	Govt ITI, Mudkhed	4	800
62.	Chhatrapati Sambhajnagar	Nanded	GR27000010	Govt ITI, Nanded	3	800
63.	Chhatrapati Sambhajnagar	Parbhani	GR27000292	Govt ITI, Jintur	4	800
64.	Chhatrapati Sambhajnagar	Parbhani	GR27000036	Govt ITI, Parbhani	5	1000
65.	Chhatrapati Sambhajnagar	Parbhani	GR27000361	Govt ITI, Gangakhed	1	200
66.	Chhatrapati Sambhajnagar	Parbhani	GR27000604	Govt ITI, Pathari	2	800

67.	NASHIK	NASHIK	GR2700063	GOVT ITI DINDORI	3	1000
68.	NASHIK	NASHIK	GR27000114	GOVT ITI KALWAN	2	1000
69.	NASHIK	NASHIK	GR27000272	GOVT ITI SINNAR	2	800
70.	NASHIK	NASHIK	GR27000284	GOVT ITI PETH	5	1000
71.	NASHIK	NASHIK	GR27000410	GOVT ITI NIPHAD	1	200
72.	NASHIK	NASHIK	GR27000481	GOVT ITI MALEGAON	3	800
73.	NASHIK	NASHIK	GR27000538	GOVT ITI BORIPADA	1	200
74.	NASHIK	NASHIK	GR27000539	GOVT ITI AMBUPADA	1	200
75.	NASHIK	NASHIK	GR27000540	GOVT ITI ASARBARI	1	200
76.	NASHIK	NASHIK	GR27000605	GOVT ITI TRIMBAKESHWAR	1	800
77.	NASHIK	NASHIK	GR27000606	GOVT ITI NANASHI	1	200
78.	NASHIK	NASHIK	GR27000701	GOVT ITI DEOLA	1	400
79.	NASHIK	DHULE	GR27000345	GOVT ITI SHINDKHEDA	1	400
80.	NASHIK	NANDURBAR	GR27000120	GOVT ITI NAVAPUR	2	800
81.	NASHIK	NANDURBAR	GR27000318	GOVT ITI TALODA	3	800
82.	NASHIK	NANDURBAR	GR27000442	GOVT ITI SHAHADA	3	800
83.	NASHIK	NANDURBAR	GR27000443	GOVT ITI AKRANI	3	800
84.	NASHIK	NANDURBAR	GR27000558	GOVT ITI MANDAVI	1	200
85.	NASHIK	JALGAON	GU27000015	GOVT ITI JALGAON	1	400
86.	NASHIK	JALGAON	GU27000221	GOVT ITI JALGAON WOMAN	2	400
87.	NASHIK	JALGAON	GR27000118	GOVT ITI BODWAD	1	400
88.	NASHIK	JALGAON	GR27000119	GOVT ITI JAMNER	3	800
89.	NASHIK	JALGAON	GR27000311	GOVT ITI RAVER	1	400
90.	NASHIK	JALGAON	GR27000312	GOVT ITI CHALISGAON	2	800
91.	NASHIK	JALGAON	GR27000315	GOVT ITI UCHANDE	1	400
92.	NASHIK	JALGAON	GR27000440	GOVT CHOPADA	1	200
93.	NASHIK	JALGAON	GR27000560	GOVT ITI JONDHAKHEDA	1	200
94.	NASHIK	JALGAON	GR27000590	GOVT ERANDOL	1	800
95.	NASHIK	AHILYANAGAR	GR27000023	GOVT ITI AHILYANAGAR	2	800
96.	NASHIK	AHILYANAGAR	GR27000048	GOVT ITI SHEVGAON	2	400
97.	NASHIK	AHILYANAGAR	GR27000294	GOVT ITI RAJUR	1	800
98.	NASHIK	AHILYANAGAR	GR27000295	GOVT ITI KARJAT	3	800
99.	NASHIK	AHILYANAGAR	GR27000421	GOVT ITI SHRIGONDA	1	400
100.	NASHIK	AHILYANAGAR	GR27000422	GOVT ITI SANGAMNER	1	400
101.	NASHIK	AHILYANAGAR	GR27000499	GOVT ITI RAHURI	1	400
102.	NASHIK	AHILYANAGAR	GR27000495	GOVT ITI NEWASA	1	1000
103.	NASHIK	AHILYANAGAR	GR27000645	GOVT ITI KELI KOTUL	3	200
104.	Pune	Pune	GR27000424	GOVT ITI Mulshi	3	800
105.	Pune	Pune	GU27000066	GOVT ITI Pimpari Chinchwad	3	800
106.	Pune	Pune	GU27000425	GOVT ITI Purandar Saswad	2	400
107.	Pune	Satara	GU27000018	GOVT ITI Satara	3	800
108.	Pune	Satara	GR27000019	GOVT ITI Karad	2	800

109.	Pune	Satara	GR27000475	GOVT ITI Patan	1	400
110.	Pune	Satara	GR27000383	GOVT ITI Medha	2	400
111.	Pune	Satara	GR27000400	GOVT ITI Aundh Khatav	2	400
112.	Pune	Satara	GR27000474	GOVT ITI Koregaon	1	200
113.	Pune	Sangli	GR27000581	GOVT ITI Palus	2	400
114.	Pune	Sangli	GR27000581	GOVT ITI Kadegaon	5	800
115.	Pune	Sangli	GU27000029	GOVT ITI Sangli	3	800
116.	Pune	Sangli	GR27000146	GOVT ITI Vita	3	800
117.	Pune	Sangli	GR27000369	GOVT ITI Atpadi	5	800
118.	Pune	Sangli	GR27000368	GOVT ITI Kavthemahakal	2	400
119.	Pune	Sangli	GR27000283	GOVT ITI Jath	3	800
120.	Pune	Sangli	GR27000147	GOVT ITI Shirala	3	400
121.	Pune	Kolhapur	GU27000021	GOVT ITI Kolhapur	3	800
122.	Pune	Kolhapur	GR27000135	GOVT ITI Gadhinglaj	1	400
123.	Pune	Kolhapur	GR27000370	GOVT ITI Panhala	5	800
124.	Pune	Kolhapur	GR27000282	GOVT ITI Turkewadi	2	400
125.	Pune	Kolhapur	GR27000372	GOVT ITI Radhanagari	1	200
126.	Pune	Kolhapur	GR27000404	GOVT ITI Gaganbawada	2	400
127.	Pune	Kolhapur	GR27000405	GOVT ITI Bhudargad	2	400
128.	Pune	Solapur	GR27000384	GOVT ITI Karmala	2	400
129.	Pune	Solapur	GU27000139	GOVT ITI Solapur (W)	2	400
130.	Pune	Solapur	GR27000391	GOVT ITI Mandrup	2	400
131.	Pune	Solapur	GR27000473	GOVT ITI Mangalweda	2	400
132.	Pune	Solapur	GR27000141	GOVT ITI Barshi	2	400
133.	Mumbai	Mumbai	GU27000102	Govt ITI (Woman), Dadar,	1	400
134.	Mumbai	Mumbai Suburban	GU27000050	Govt ITI Mulund	8	2400
135.	Mumbai	Palghar	GR27000165	Govt ITI (Adivasi), Wangaon	3	800
136.	Mumbai	Raigad	GR27000357	Govt ITI (Adivasi), Karjat	5	800
137.	Mumbai	Raigad	GR 27000505	Govt ITI, Alibaug	7	1200
138.	Mumbai	Raigad	GR27000459	Govt ITI, Khalapur	8	1200
139.	Mumbai	Raigad	GR27000591	Govt ITI, Tala	2	400
140.	Mumbai	Raigad	GR27000358	Govt ITI, Mhasala	2	200
141.	Mumbai	Raigad	GR27000460	Govt ITI, Shrivardhan	3	800
142.	Mumbai	Raigad	GR27000297	Govt ITI, Pen	3	800
143.	Mumbai	Raigad	GR27000427	Govt ITI, Poladpur	1	200
144.	Mumbai	Raigad	GR27000075	Govt ITI, Uran	1	200
145.	Mumbai	Ratnagiri	GU27000240	Govt ITI (Woman), Ratnagiri	1	200
146.	Mumbai	Ratnagiri	GR27000044	Govt ITI, Chiplun	3	800
147.	Mumbai	Ratnagiri	GR27000397	Govt ITI Lanja	4	800
148.	Mumbai	Ratnagiri	GR27000379	Govt ITI, Mandangad	2	200
149.	Mumbai	Ratnagiri	GR27000020	Govt ITI, Ratnagiri	4	1200

150.	Mumbai	Thane	GR27000302	Govt ITI, Murbad	5	1200
151.	Mumbai	Thane	GR27000300	Govt ITI, Shahapur	1	200
<b>Total Area in SQM</b>						<b>93000</b>

## SECTION 3: FORMATS FOR ANNEXURES

### Annexure 1: Proforma of Covering Letter

(On the Letterhead of the Bidder)

To,  
The Director  
Directorate of Vocational Education and Training (DVET),  
3, Mahapalika Marg,  
Elphinstone Technical High School Campus,  
Opp. Metro Cinema, Mumbai – 400001  
Maharashtra State

**Subject: Submission of Proposal for Appointment of Project Management Consultant (PMC) for Prefabricated Engineering Buildings at 151 Government Industrial Training Institutes across Maharashtra**

Dear Sir/Madam,

We, the undersigned, express our interest in providing Project Management Consultancy services for the development of prefabricated engineering buildings at 151 Government Industrial Training Institutes (ITIs) across Maharashtra, as per the Request for Proposal (RFP) issued by the Directorate of Vocational Education and Training (DVET), Government of Maharashtra.

We hereby submit our Proposal, which includes:

1. Technical Proposal – in a sealed envelope
2. Financial Proposal – in a separate sealed envelope

We have thoroughly examined and understood the RFP document and agree to abide by all the terms and conditions mentioned therein. We confirm that our firm meets the eligibility criteria and has not been debarred or blacklisted by any Government or semi-Government organization.

We also confirm that the information provided in the Proposal is true and correct to the best of our knowledge. We understand that DVET reserves the right to reject any proposal without assigning any reason thereof.

We look forward to your kind consideration and the opportunity to work with DVET in delivering this important initiative.

Thanking you,

Yours faithfully,

(Signature & Seal)

Name:

Designation:

Company Name:

Address:

Contact Number:

Email ID:

Date:

(Seal of the Organization)

**Annexure 2: Information of Resources Personnel**

(To be printed on Official Letter Head of Original Equipment Manufacturer (OEM))

To,  
The Director,  
Directorate of Vocational Education and Training (DVET),  
3, Mahapalika Marg,  
Elphinstone Technical High School Campus,  
Opp. Metro Cinema, Mumbai – 400001

**Subject: Details of In-House Experts for PMC Services for Prefabricated Engineering Buildings at 151 Government Industrial Training Institutes across Maharashtra**

We hereby submit the details of in-house qualified professionals proposed for deployment as part of the Project Management Consultant team for execution of prefabricated engineering buildings at 151 Government ITIs in Maharashtra.

Sr. No.	Name of Expert	Area of Expertise	Qualification	Employment Type	Experience (Years)	Key Projects Handled	CV Attached (Y/N)
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							

Provide list as per areas of expertise in Architectural Design/ Structural Engineering/ Civil Engineering/ Electrical Engineering/ Mechanical, Electrical and Plumbing (MEP)/ Project Manager etc.

Note: All experts meet the technical competency requirements as per the RFP, and their resumes are attached herewith.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

(Signature and Seal)  
Authorized Signatory

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Company: \_\_\_\_\_

### Annexure 3: Format of Declaration

(To be printed on Rs. 500 Non-Judicial Stamp Paper: Notarized Affidavit)

To,  
Director  
Directorate of Vocational Education and Training, Maharashtra State,  
3, Mahapalika Marg, Mumbai 400001

1. In response to the Tender: Proposal for Appointment of Project Management Consultant (PMC) for Prefabricated Engineering Buildings at 151 Government Industrial Training Institutes across Maharashtra, Tender No.: Tender No. TE-25003(R)/2025 –2026, Dated 13/08/2025 as Owner/ Partner/ Director of Name and Address of Bidder, I/ We hereby declare that our Agency Name of Bidder is having unblemished past record and was not declared ineligible for corrupt and fraudulent practices either indefinitely or for a particular period of time.
2. We hereby confirm that we have not been found guilty of malpractice, misconduct, or blacklisted/ debarred either by Government of Maharashtra or by other State Government/ Central Government's organizations in the past and also there are no such proceedings against us.
3. We also undertake that we have not failed to meet its commitment against valid purchase orders issued by this Directorate in any of the last three years (If there was a delay then such delay shall have been duly condoned by this Directorate / Govt. of Maharashtra accepting there as on furnished by the bidder for such delay).
4. We further undertake that our partner M/s Name and Address of Partner of Bidder are also not blacklisted in any Department of Government of Maharashtra
5. I/ We hereby declare that there are no pending cases against M/s Name and Address of Bidder with Government of Maharashtra or any other court of law
6. I/ We hereby declare that Bidder's company or Director/Owner of the company have not been declared insolvent by any Court or by Competent Authorities or is involved in any fraudulent mean (Economical and Criminal) as on date.

Date: DD/MM/20YY

Signature of Authorized Representative of Bidder  
Name of Authorized Representative of Bidder  
Designation of Authorized Representative of Bidder  
Duly authorized to sign this bid for and on behalf of  
Bidder Name with Address

Seal of Bidder

## Annexure 4: Contract Agreement

An Agreement made this Date day of Month, Year Between Name and Address of Supplier (hereinafter called “**PMC**”) of the one part and the Director, Directorate of Vocational Education and Training, Government of Maharashtra (hereinafter called “**DVET**”) of the other part.

Whereas the PMC has tendered to the Government for Project Management Consultancy for Design, Engineering, Supply, Erection and Commissioning of prefab building structure/s for ITI in Maharashtra State as per scope of work given in the acceptance of tender at the respective rates for the purpose and whereas such tender has been.

NOW IT IS HEREBY AGREED between the parties hereto as follows:

1. The PMC has accepted the contract on the terms and conditions set out in the RFP No.\_\_\_\_\_ Dated DD/MM/YYYY as well in the acceptance of Tender No. Dated DD/MM/YYYY, which shall hold good during period of this agreement.
2. Upon breach by the PMC of any of the conditions of the agreement, the tendering authority may by a notice in writing rescind, determine and put an end to this agreement without prejudice to the right of the Government to claim damages for antecedent breaches thereof on the part of the PMC and also to reasonable compensation for the loss occasioned by the failure of the PMC to fulfill the agreement as certified in writing by the tendering authority which certificate shall be conclusive evidence of the amount of such compensation payable by the PMC to the Government.
3. This agreement shall remain in force until the expiry of 12 Months from the date of entering into the contract but tendering authority may cancel the contract at any time upon giving one month’s notice in writing without compensating the PMC.
4. The tendering authority may give notice in connection with the contract.
5. In consideration of the payments to be made by the tendering authority to the supplier as hereinafter mentioned the PMC hereby covenants with the tendering authority to provide the services of project management in all respects with the provisions of the Contract.
6. The tendering authority hereby covenants to pay the PMC in consideration of the provision of the services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.
7. If subject to circumstances beyond control (Force Majeure) the PMC fails to deliver the services in accordance with the conditions mentioned in the Acceptance of Tender, the tendering authority shall, at his option be entitled either:
  - 7.1. To recover from the PMC as agreed liquidated damages or by way of penalty a sum not **exceeding 0.5 per cent** of the price of the services which the PMC has failed to deliver as aforesaid for each week or part of a week during which the delivery of such stores may be in arrears, or
  - 7.2. To get services from elsewhere, after giving due notice to the PMC on the account and at the risk of the PMC the services not delivered or others of a similar description (where other exactly complying with the particulars are not, in the opinion of the tendering authority which shall be final, readily procurable) without cancelling contract in respect of consignment not yet due for delivery, or to cancel the contract.
  - 7.3. To cancel contract
8. In the event of action being taken under 7.1, 7.2 and 7.3, the PMC shall be liable for any loss which the Tendering Authority, may sustain on that account.

The recovery on account of agreed liquidated damages or by way of penalty under 7.1 above shall be made by deducting the amount in the bills and the recovery of any loss, which the Tendering Authority may sustain under 7.2 and 7.3 shall be made good by a credit note within the stipulated period for the purpose.

Place: Mumbai

Date: DD/MM/YYYY

Signature of Authorized Representative of Supplier  
Name of Authorized Representative of Supplier  
Designation of Authorized Representative of Supplier  
Duly authorized to sign this bid for and on behalf of

Seal of Supplier

Supplier Name with Address

On behalf of the Governor of Maharashtra  
Represented by

The Director,  
Directorate of Vocational Education and Training, Maharashtra State,  
3, Mahapalika Marg, Mumbai 400001

Witness:

- 1.
- 2.

**SECTION 4: LIST OF DOCUMENTS TO BE SUBMITTED PHYSICALLY AT DVET**

Following documents, which ever are applicable as per RFP Document, shall be submitted by the Bidder in the same order/ sequence as mentioned below, in the form of physical copies before last date of bid submission. Documents not in sequence and page no. not mentioned shall be rejected.

**Envelope No. 1: Technical Bid**

S.N.	List of Documents	Page No.
1	Checklist of All Documents mentioned below	
2	Annexure 1: Covering Letter	
3	Eligibility Criteria	
3.1	Certificate of Registration / Certificate of Incorporation and Memorandum	
3.2	PAN/TAN /GST Registration Copy	
3.3	Declaration of Minimum 5 years in PMC services for civil and prefabricated infrastructure projects with copies of orders of appointment as PMC	
3.4	At least 3 similar completed PMC assignments in last 5 years (preferably government or institutional buildings) with copies of order and completion certificate.	
3.5	List of experts (Architectural, Civil, Structural, Electrical, MEP) with qualifications and experience in annexure-2. Attach CVs of all experts	
3.6	Copy of the registered empanelled consultants for PMC with Public Works Department of Government of Maharashtra	
3.7	Copy of the registration relevant professional bodies (e.g., COA, IEI)	
3.8	Declaration on Rs. 500 not be blacklisted by any government agency in Annexure-3	
3.9	Copy of the ISO 9001:2015 certification	
4	Approach & Methodology documentation in form of PPT for Understanding of project scope, implementation plan, quality control, and risk management plan. Hard copies with bid to be submitted and Soft copy of the PPT to be emailed at <a href="mailto:desk13@dvvet.gov.in">desk13@dvvet.gov.in</a> on 21/08/2025 between 11AM to 2PM.	
5	Additional information and annexures related to tender	

**SECTION 5: TYPE OF PLANS AND BOQ FOR CONTRACTOR**

***Design, Engineering, Supply, Erection and Commissioning of Prefab building structure/s for ITI's Across Maharashtra.***

<b>Sr. No.</b>	<b>Item Description</b>
1.	200 SqM Prefab Building
2.	400 SqM Prefab Building
3.	600 SqM Prefab Building
4.	800 SqM Prefab Building
5.	1000 SqM Prefab Building
6.	1200 SqM Prefab Building
7.	1600 SqM Prefab Building
8.	2000 SqM Prefab Building
9.	2200 SqM Prefab Building
10.	2400 SqM Prefab Building
11.	2600 SqM Prefab Building

**Civil work BOQ**

<b>SR. NO.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
1	Soil Testing & Excavation for <b>foundation in earth, soil of all types, sand, gravel and soft murum</b> , including removing the excavated material up to a distance of 50 m. beyond the building area & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. <b>(Lift upto 1.5 m)</b>	1	Cu.M.
2	Excavation for <b>foundation in hard murum</b> including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. <b>(Lift upto 1.50 m -3m)</b>	1	Cu.M.
3	Filling in <b>plinth and floors with approved excavated material in 100mm. to 150mm. layers</b> including watering and compacting etc. complete.	1	Cu.M.

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	UNIT
4	Providing and laying Cast in <b>situ/Ready Mix cement concrete in M-10</b> of trap/ granite/ quartzite/ gneiss metal <b>for foundation and bedding</b> including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, <b>with fully automatic microprocessor-based PLC with SCADA</b> enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc.	1	Cu.M.
5	Providing and laying in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for <b>R.C.C. work in foundations like raft, strip foundations, grillage and footings</b> of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, <b>with fully automatic microprocessor based PLC with SCADA</b> enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. <b>With natural sand/V.S.I. quality Artificial Sand [Ground Floor]</b>	1	Cu.M.
6	Providing and laying Cast in <b>situ/Ready Mix cement concrete M-20</b> of trap / granite /quartzite/ gneiss metal for <b>R.C.C. columns</b> as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel). <b>with fully automatic microprocessor based PLC with SCADA</b> enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. <b>With natural sand/V.S.I. quality Artificial Sand</b>	1	Cu.M.
7	Providing and laying <b>Cast in situ/Ready Mix cement concrete M-20</b> of trap / granite /quartzite/ gneiss metal for <b>R.C.C. beams and lintels</b> as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). <b>with fully automatic microprocessor-based PLC with SCADA</b> enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. <b>With natural sand/V.S.I. quality Artificial Sand</b>	1	Cu.M.
8	Providing and <b>fixing in position TMT - FE - 500 bar reinforcement</b> of various diameters for <b>R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches</b> etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	1	M.T.

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	UNIT
9	Providing <b>second class Burnt Brick masonry</b> with conventional/ I.S. type bricks in <b>cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls</b> including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.	1	Cu.M.
10	Providing <b>second class Burnt Brick masonry</b> with conventional/ I.S. type bricks in <b>cement mortar 1:6 in superstructure</b> including striking joints, raking out joints, watering and scaffolding etc.	1	Cu.M.
11	Providing internal <b>cement plaster 12mm thick in single coat</b> in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc.	1	Sq.M.
12	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete.	1	Sq.M.
13	Providing and <b>applying pearl/ luster finish paint</b> of approved colour and shade to the existing plaster surface including scaffolding, preparing the surface, applying the acrylic wall putti etc. complete.	1	Sq.M.
14	Providing and applying <b>two coats of exterior weather shield paint</b> of approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the plaster surface, applying primer coat, scaffolding if necessary, and watering the surface for two days etc complete.	1	Sq.M.
15	Providing and laying <b>vitrified matt finish tiles</b> having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and conforming IS.15622-2006 (Group Bla) of approved make, shade and pattern for <b>flooring</b> in required position laid on bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete.	1	Sq.M.
16	Providing <b>sills of required material 20mm to 25mm thick, on a bed of cement mortar 1:4</b> including cement float, filling joints with neat cement slurry, curing, polishing, rounding edges, cleaning complete.	1	Sq.M.

**Prefabrication Work BOQ**

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE
1	Providing <b>structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates</b> etc. as per detailed designs and drawings or as per specifications including cutting, fabricating, hoisting, erecting fixing in position, making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. [GROUND FLOOR]	1	M.T.
2	Providing and fixing of <b>colour coated Zinc aluminium (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing</b> . The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness ( BMT ) (0.5 mm TCT ), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND ( R ) steel quality super durable polyester paint coat ( with inorganic pigment). The paint shall have a total coating thickness of nominal 35 mm, comprising of nominal 25mm exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with sublet square fluting in the five pan at nominal 180-250 mm center-to-center. The end rib shall be designed for anti-capacity groove. & return leg. The feed material should have coil manufacturers product details marked a regular interval. including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 kg/sqm) 301 mm to 600 mm girth (Surface Width). [GROUND FLOOR]	1	Sq.M.
3	Providing and fixing fiber glass reinforced polyester door shutter 30 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete.[GROUND FLOOR]	1	Sq.M.
4	Providing and fixing <b>mild steel grill work for windows, ventilators etc. 20 kg/sqm</b> as per drawing including fixtures, necessary welding & painting with one coats of anticorrosive paint & two coats of oil painting complete. [GROUND FLOOR]	1	Sq.M.
5	Providing and fixing in position (as per 1868 / 1982) Aluminum sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at eight o.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminum sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminum mosquito net shutter with stainless steel jail with all required screws and nuts etc. [GROUND FLOOR]	1	Sq.M.

6	Providing and fixing in position aluminium partition made from powder-coated aluminium sections of size [mention size, e.g., 50mm x 25mm x 1.5mm thick] framework with necessary supports, horizontal/vertical members placed at required spacing, fixed with screws, anchor fasteners, and necessary accessories. The partition shall be infilled with 5mm thick clear / frosted / tinted glass panels OR 9mm thick pre-laminated particle board / MDF board (one or both sides laminated) OR Combination of glass in upper portion and board in lower portion, as per approved drawing and instructions of Engineer-in-Charge of the PMC. [GROUND FLOOR]	1	Sq.M.
7	Providing and laying of concealed surface/sub-surface electrical wiring using [ISI-marked] copper wires of appropriate gauge (e.g., 1.5 sq.mm / 2.5 sq.mm / 4 sq.mm) FRLS (Fire Retardant Low Smoke) copper conductor wires in heavy-duty PVC conduit of [ISI] grade with suitable accessories such as bends, junction boxes, saddles, and inspection boxes fixed with clamps and screws, laid concealed in walls/floors/ceilings or on surface as per drawing. <b>Work includes:</b> Supply and fixing of modular switchboards (e.g., Havells, Legrand, Anchor, Schneider, etc.) with switches, sockets, fan regulators, etc.	900	Point