

Practical No.16: *Prepare a visit report with sketches/photos by observing the process of plastering and pointing of a masonry work at construction site.

I. Practical Significance

Building finishes include plastering, pointing, painting, etc. The main objective is protecting surface from atmospheric agent and to improve the appearance. Plastering is the process of covering rough surfaces such as walls, columns, ceilings etc. Plastering is done by mortar (binding material) which is combination of fine aggregate and water in suitable proportion. The binding material may be lime, cement or mud. Pointing is art of finishing mortar joints so make them watertight. For plastering and pointing various tools are used.

II. Industry/Employer Expected outcomes (POs)

This practical is expected to develop the following skills for the Industry identified.

1. A student should be able to know various types of plaster and pointing.
2. To select the appropriate material and method.
3. To identify the defects in flooring, roofing, and suggest remedial measures.
4. Apply relevant method of plastering.
5. To check surface evenness.

III. Course Level Learning Outcomes

Use the relevant type of material for finishing purpose in the given situation.

IV. Laboratory learning outcome(s)

Prepare a site visit report with respect to process of plastering and pointing

V. Relevant Affective Domain

Follow safety practices and precautions.

Maintain tools and equipment.

VI. Relevant Theoretical Background

1. Necessity of plastering and pointing.
2. Materials for plastering
3. Method of pointing and its type.
4. Precautions to be taken while plastering.
5. Tools and plants required for plastering and pointing.

6.	Spirit level	30 cm long with vertical and horizontal bubble	2 No	
7.	Water-level tube	5 mm plastic tube	2 No	
8.	Mason square	60 cm long leg	2 No	
9.	Measuring tape	Steel tape 30m	2 No	
10.	Pans (Ghamela)	Iron	5 No	
11.	Portable Hammer	Iron	2 No	
12.	Spade	20cm wide MS blade	2 No	

IX. Precautions to be followed

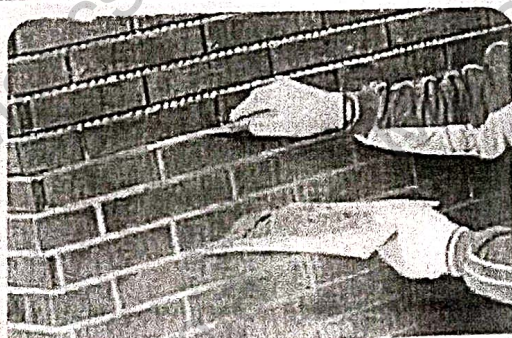
1. Type of plaster work and how to apply.
2. Material used for plaster and its preparation.
3. Method and type of pointing.
4. Equipment used for plastering and pointing work Use safety measures on site.
5. Listen and follow the instruction given by site in charge.
6. Maintain discipline during Visit.

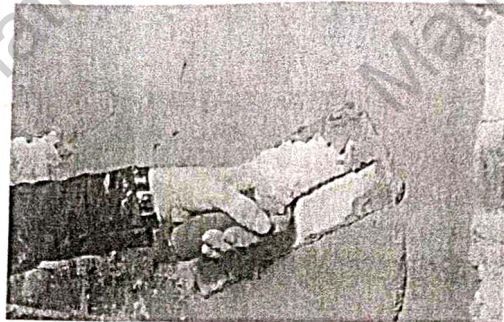
X. Procedure:

Field Visit Report

Date of Visit----- 20 march 2025 -----
 Site Address----- taroda naka nanded -----
 Name of Project----- residential building -----
 Name of Contractor & Site Engineer----- Rathod. M. R -----
 Status of Project-Completed/ongoing----- ongoing. -----

XI. Observation Actual Procedure followed – (Attached Photograph)





XII. Result

all the type of building construction activity of the given component of building structure

XIII. Interpretation of results

this is the practical to develop the following skill for the industry visit

XIV. Conclusions and Recommendations

visit report with respect to plastering and painting

XV. Practical Related Questions

1. Briefly explain the Necessity of plastering.
2. Briefly explain the Necessity of pointing.
3. Which Precautions to be taken while plastering.
4. Draw neat sketch of equipment used for plastering and pointing.

Q. 1. \longrightarrow ?

Ans 2- plastering is generally necessary for creating smooth, durable and

asthetically pleasing surface all wall and
siding

Q. 2) → ?

Ans- painting is generally necessary
for protect the mortar joints from weathering
and enhance the overall structural integrity
and appearance of walls.

Q. 3) → ?

Ans- ensure proper bonding between the
masonry surface and the plaster.
remove any use material stuck to
the masonry before plastering

the mortar joint in the masonry
and wash and keep

- 1) trowel
- 2) Spirit level
- 3) stretch
- 4) float
- 5) plumb bob

XVI. References/Suggestions for further Reading

Sr. No	Links	Discription
1	https://www.youtube.com/watch?v=fDKRtQqKzJM	Process of plastering and pointing of a masonry work
2	https://youtu.be/v1asQCBSuVw?si=KxjPSagK3Dj5VXd6	pointing of a masonry work
3	https://youtu.be/HgM1uRjbc9c?si=PDez_PDoui-QKApA	plastering and pointing of a masonry work
4	https://youtu.be/ZXhxaulpqUc?si=-bArzbkkspl0EoW4	Difference between plastering and pointing of a masonry work