



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT  
DALMIAPURAM  
CIVIL DEPARTMENT**



Issue No. 01	Rev. No: 00	Effective Date: 22.05.2015	SOP/CIVIL/09
Issued By: S & P		Approved By: HOD (CIVIL)	
SOP FOR Brickwork			

1. **PURPOSE:** This document explains the procedure followed for systematic method of brickwork
2. **SCOPE:** This procedure shall be adopted for all site conditions
3. **DEFINITION/ ABBREVIATION:** NIL
4. **RESPONSIBILITY:** SECTION HEAD – CIVIL
5. **PROCEDURE:**
  - 5.1 Work will be started after receiving the work order.
  - 5.2 Also all the persons involving in work should have attended the safety training class so that they may be aware about the work nature and environment. The class will be conducted by safety department personnel.
  - 5.3 Before starting of work, civil department personnel should ensure that proper scaffolding is being done in case of working at heights i.e., above 1.5m height
  - 5.4 Then the civil department personnel should ensure that the labour who is involved in work had wore all PPE's, safety belts, etc.,
  - 5.5 The standard sized brick alone should be used for brickwork. The brick should have frog.
  - 5.6 The brick used for construction should be soaked before execution atleast 1 hour.
  - 5.7 The joint should not be less than 5mm thick
  - 5.8 The mortar joint should not exceed more than 6mm thick for 1<sup>st</sup> class brickwork, 10 mm thick for 2<sup>nd</sup> class brickwork.
  - 5.9 The standard size of brick is 19 X 9 X 9 cm.
  - 5.10 The brick used for construction should not absorb more than 20 % water for 1<sup>st</sup> class brick, and 22 % for second class brick in water absorption test.
  - 5.11 The brick should have the compressive strength of 105 kg/sq.cm for 1<sup>st</sup> class brick and 70 kg/sq.cm for 2<sup>nd</sup> class brick.
  - 5.12 The thickness of brickwork will be based on design.
  - 5.13 The types of bond for brickwork will be decided by civil department – head.
  - 5.14 All these technical considerations should be ensured by civil department personnel before execution.



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT  
DALMIAPURAM  
CIVIL DEPARTMENT**



Issue No. 01	Rev. No: 00	Effective Date: 22.05.2015	SOP/CIVIL/09
Issued By: S & P		Approved By: HOD (CIVIL)	
SOP FOR Brickwork			

6. **REFERENCE :**
7. **RECORDS:**
8. **COPY DISTRIBUTION:**

HEAD CIVIL

HEAD TECHNICAL