



STRUCTURAL AUDIT REPORT OF SHREE SHAHU CHATRAPATI MILLS, KOLHAPUR

Prepared by

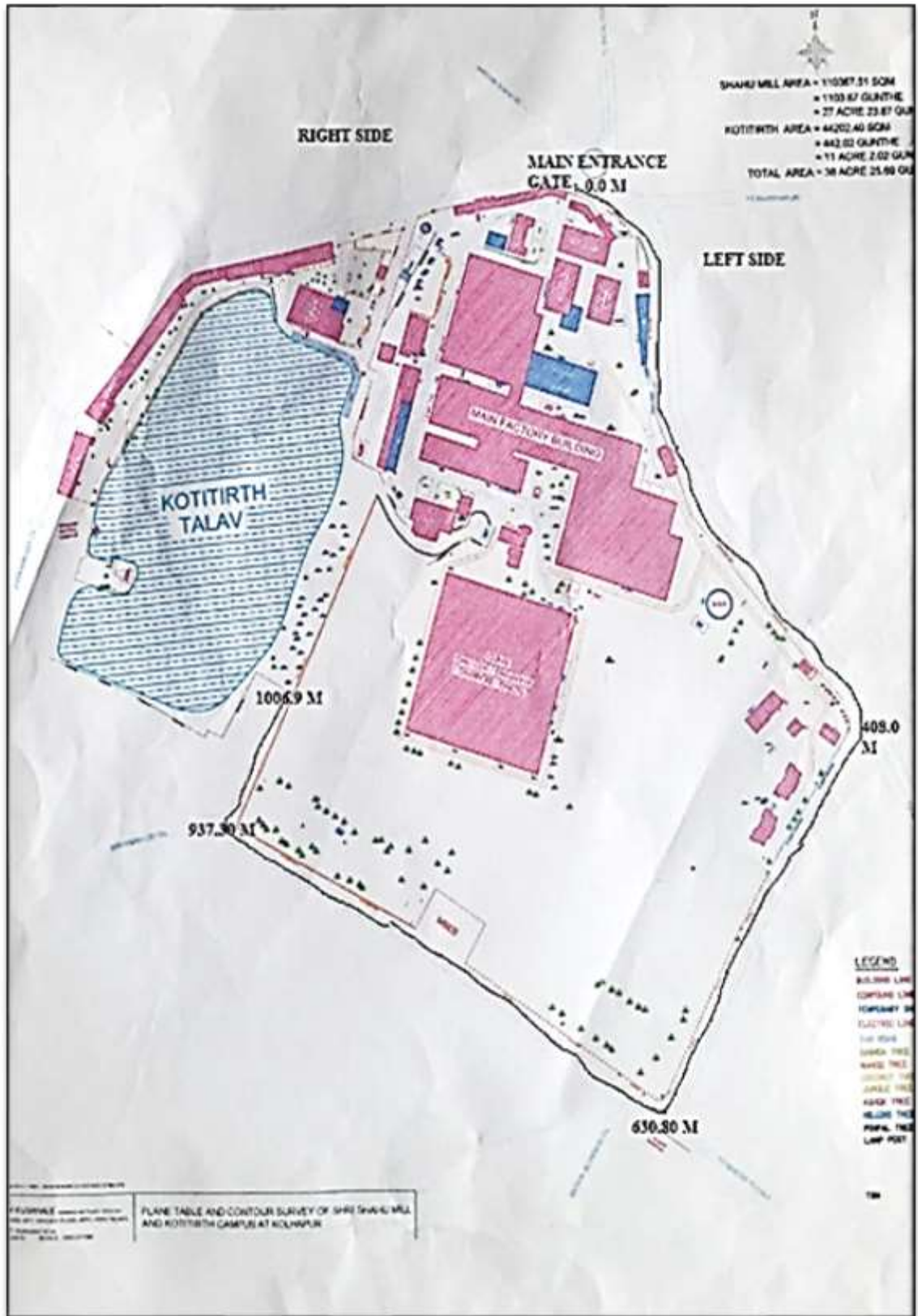
CIVIL ENGINEERING PROGRAM,
DEPARTMENT OF TECHNOLOGY,
SHIVAJI UNIVERSITY, KOLHAPUR

Submitted to

EXECUTIVE ENGINEER,
PUBLIC WORK DEPARTMENT,
DIVISION KOLHAPUR
YEAR: 2022-2023



LAYOUT OF SHREE SHAHU CHATRAPATI MILLS



ABSTRACT OF REMARKS

We have conducted a visual inspection survey of “Shree Shahu Chatrapati Mills” and concluded as follows:

1. The building is load bearing type “stone masonry structure”, in which the settlement of walls is observed, but at some places, mortar joints are loose, and need to repair by mortar.
2. The roof consists of M.S. sections that are in good condition at some locations corrosion is observed. They need to point with rust-proof paint. Roof structures need to clean properly and shall be pointed with rust-proof paint.
3. Some of the roof structure consists of wooden sections, it is in good condition.
4. Roof material consists of A.C. sheets and Mangalore tiles. They are in good condition in some places but need to repair it.
5. Rainwater down take pipes need to be repaired, drainage and Gutters at the roof side need to be repaired.
6. Vegetation growth observed at major locations needs to clean urgently to enhance the life of the structure.
7. The foundation and substructure are not observed.
8. The plumbing lines are damaged and not in good condition.
9. Electrical lines are not in working condition.
10. Wooden doors and windows are damaged, and glasses are broken required to repair and paint it.
11. Expansion joints at folded plate slab need to repair it.
12. M.S. sliding doors and shutters are not in working condition and require repairing, by application of oil, grease and paint.
13. The underground drainage system should be properly cleaned from debris and repaired it.
14. Flooring work consists of stone flooring, required repair at some locations, and pointing work necessary.
15. The main building's wooden flooring is to be repaired.
16. Tension rods of the jack arch girder are broken at many locations.
17. Terrace waterproofing at the main building required repair.
18. The railing is required at the terrace for safety.
19. Wooden staircase at the terrace of the main building required repair.
20. RCC Slab damaged at block No. 14 required repair by additional reinforcement and mirror jacketing.
21. Chajjas need to be repaired at various locations.
22. The compound wall needs to be repaired at the location compound wall is not present. Required it for safety purposes.
23. Internal road piping is required.

**STRUCTURAL AUDIT TEAM OF
SHREE SHAHU CHATRAPATI MILLS**

**CIVIL ENGINEERING PROGRAM,
DEPARTMENT OF TECHNOLOGY,
SHIVAJI UNIVERSITY, KOLHAPUR**

Sr. No.	Title	Name of faculty
1.	Plan of Shree Shahu Chatrapati Mills	Er. M.S. Salunkhe
2.	Map of Right Side of Entrance of Shree Shahu Chatrapati Mills	Er. M.S. Salunkhe
3.	Entrance Door	Er. A.A. Kulkarni
4.	Block No. 34A	Er. A.A. Kulkarni
5.	Block No. 33A, Store and Ganesh Hall	Er. A.A. Kulkarni
	A. Block No. 33A	Er. A.A. Kulkarni
	B. Store	Er. A.A. Kulkarni
	C. Ganesh Hall	Er. A.A. Kulkarni
6.	Block No. 32A-33C	Er. A.A. Kulkarni
	A. Block No. 32A	Er. A.A. Kulkarni
	B. Block No. 32C	Er. A.A. Kulkarni
7.	Cycle Stand	Er. A.A. Kulkarni
8.	Time House	Er. A.A. Kulkarni
9.	Administration Office	Er. A.A. Kulkarni
10.	Block No. 24: Godown	Dr. P.P. Phadnis
11.	Block No. 25: Godown	Dr. P.P. Phadnis
12.	Block No. 27A: Godown	Dr. P.P. Phadnis
13.	Block No. 40: Processing Unit	Dr. P.P. Phadnis
14.	Block No.: 5A-5B, 12B and 14	Er. M.S. Salunkhe
	A. Block No. 5A-5B	Er. M.S. Salunkhe
	B. Block No. 12B	Er. M.S. Salunkhe
	C. Block No. 14	Er. M.S. Salunkhe
15.	Block No. 13A	Er. M.S. Salunkhe
16.	Block No. 42 and 44	Er. A.V. Renavikar
17.	Block No. 36: Chairman And Manager Living	Er. S.M. Patvegar
18.	Guest House	Er. S.M. Patvegar

19. Shed Building No. 1 Er. S.M. Patvegar
20. Shed Building No. 2 Er. S.M. Patvegar
21. Staff Quarter: Block No. 52 Er. S.M. Patvegar
22. Block No. 4 (Temple) Er. M.A. Lokhande
23. Chimney Er. M.A. Lokhande
24. Block no. 39: Electric Department Er. M.A. Lokhande
25. Canteen Er. M.A. Lokhande
26. Block No.: 7, 9 and 10 Er. M.A. Lokhande
 - A. Block No. 7 and 9 Er. M.A. Lokhande
 - B. Block No. 10: Costing House Er. M.A. Lokhande
27. Compound Wall External – Right Side of Entrance Er. V.K. Kamble
28. Compound Wall External – Left Side of Entrance Er. Y.S. Vatkar
29. **The structural audit team also include:**
Ms. N.T. Kamble (Laboratory Assistant)
Mr. A.S. Pawale (Clerk)
Students of Second Year, Third Year and Final Year, Civil Engineering
Program of Department of Technology

