



"Education through self-help is our motto" - Karmaveer

Estd : 1983

Rayat Shikshan Sanstha's

Karmaveer Bhaurao Patil College of Engineering, Satara.

Sadar Bazar, Near RTO Office, Satara, Maharashtra State (INDIA) Pin - 415 001.

Founder : Padmabhushan Dr. Karmaveer Bhaurao Patil (D.Litt.)

[Approved by AICTE, New Delhi, DTE, Maharashtra State - Affiliated to Shivaji University, Kolhapur]

[Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere - from 2017]

website. www.kbpcoes.edu.in

Tele Fax - 02162-235767

EN 6270

E-mail : office@kbpcoes.edu.in

Phone : +91 2162 230636 / 235767 / 233005

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DATE : 23 / 05 / 2018

To,
Principal,
Azad College of Education, Satara.


Subject: Structural Audit Report of
College Building of Azad College of Education, Satara.
Reference: Your letter No. 33/2018-19 dated 18.04.2018.

Sir,

With reference to the subject cited above, Mr. Mahadar A.A. and Mr. Nimbalkar V.S. Civil Engg. Dept. visited the site mentioned above on 21st May 2018.

The report of the same is enclosed herewith for your kind persual.
Thanking you,


Yours faithfully,


Principal
Karmaveer Bhaurao Patil
College of Engineering, Satara.

Encl.
Structural Audit Report.

जतन कराने

MDK


29/05/2018

Azad College of Education, CAMP-SATARA.	
Inward No.-	124
Date -	29/05/2018

Karmaveer Bhaurao Patil
College of Engineering, Satara.

**Structural Audit Report of
"College Building"
of
Azad College of Education, Satara.**

We Mr. Mahadar A.A. and Mr. Nimbalkar V.S. visited the college building site on 21st May 2018. The Principal and staff members were present at the time of our visit.

Observations:

1. The college building is constructed in various stages. The main old building is a G+1 combined load bearing structure with R.C.C. beams and slab at ground floor and pitched roof at first floor.

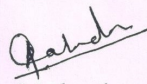
The ground floor of the same is constructed in 1965 as reported. All the rooms and their structural components i.e. walls, beams, slab are intact. The beams in the passage in front of class room No. 8 have cover concrete peeled off and reinforcement found opened and detoreated. Some of the beams are having longitudinal cracks on surface. The extended portion of passage slab is having cracks at few locations. The minor leakage marks are observed on slab in Room No. 8.

2. The first floor of the same building is constructed in 1984 as reported. All the rooms and their structural components are intact. Minor cracks and leakage marks are observed on passage beams.
3. The ladies room is constructed in 2004 adjacent to class room No. 8. The Psychology room is constructed in 1990 next to ladies room. The staircase and library building adjacent to ladies room is constructed in 1997 as reported. All these rooms are single storied R.C.C. framed structures. The passage to all these rooms is constructed in due course of time as reported. The joint between passage slab and slab of these rooms has not been casted monolithic during construction stage and major leakage marks are observed through these joint. The leakage marks in ladies and psychology rooms are also observed.
4. The gents hostel building is a G+1 combined load bearing structure with R.C.C. beams and slab. The ground floor is constructed in 1971 and first floor is constructed in 1973 as reported. All the rooms in ground and first floor are intact. Cracks and leakage marks are observed on passage beams at few locations.
5. The R.C. C. toilet building adjacent to hostel is intact.
6. The structure between hostel and old building is G+1 composite structure. Both floors of the same are intact.

Recommendations:

All the wings of college building i.e. old building, single storied RCC wing and gents hostel building including resource centre and toilet block are intact and structurally safe. Repairs for beams in front of class room no. 8 are recommended. Major repairs for leakage through joint between passage slab and adjacent building is recommended. Also waterproffing of entire slab from Room No. 8 to Library is recommended.




Mr. Mahadar A.A.
Assistant Professor,
Department of Civil Engineering,
Karmaveer Bhaurao Patil
College of Engineering, Satara.