



COLLEGE OF ENGINEERING, PUNE

(An Autonomous Institute of Government of Maharashtra)

Shivajinagar, Pune - 411005

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Ref No: COEP/BGB/AMD /2019/B-857/ 2115

date: 11/01/2020

To,
M/s Balwant Kartar Anand Foundation
The Lexicon International School,
Kalyani Nagar
Pune 411 006

Sub: Proof Checking of Structural Drawings of School Building at Survey no. 212/1 plot no. 59 central Avenue , Kalyaninagar Pune .

Ref: Your letter no. BKAF/2019-20/BS/001

Dear Sir,

This has reference to your letter as refereed above requesting us to carry out the proof checking of structural drawings of School Building at Survey no. 212/1 plot no. 59 central Avenue, Kalyaninagar Pune. The existing school building is G+4 in Reinforced Concrete and it is proposed to get it audited for structural safety with additional three floors in steel structures. With this, the school building would be G+4+3 floors .

After due compliance from the structural consultant, the structural drawings are found in order as per prevailing IS provisions and recommended for strengthening and construction purpose. The details of drawings are listed as below.

Lexicon School building at Survey no. 212/1 plot no. 59 Central Avenue , Kalyaninagar Pune .

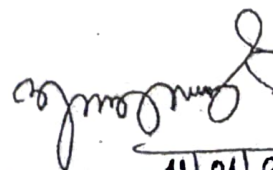
1) The existing building structure (G+4) in RCC should be strengthened. The details are given in drawings

- I. KALYANINAGAR/BLDG/STR-01
- II. KALYANINAGAR/BLDG/STR-02
- III. KALYANINAGAR/BLDG/STR-03
- IV. KALYANINAGAR/BLDG/STR-04
- V. KALYANINAGAR/BLDG/STR-05
- VI. KALYANINAGAR/BLDG/STR-06
- VII. KALYANINAGAR/BLDG/STR-07
- VIII. KALYANINAGAR/BLDG/STR-08

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PRINCIPAL
The Lexicon International School
Kalyaninagar, Pune-411006


Manager
The Lexicon International School
Kalyaninagar


11/01/2020
Birajdar B. G.
Professor of Applied Mechanics
College of Engineering
Pune 411 005.

- ix. KALYANINAGAR/BLDG/STR-09
- x. KALYANINAGAR/BLDG/STR-010
- xi. KALYANINAGAR/BLDG/STR-011

2) The additional three floors (In steel structures) over the existing RC structure (G+4) are provided. The combined analysis and subsequent design details of structures (i.e. steel structure) are provided and represented in drawings as mentioned below.

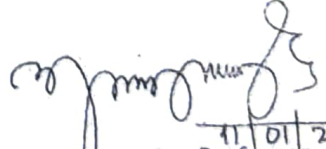
- i. KALYANINAGAR/BLDG/STR-012
- ii. KALYANINAGAR/BLDG/STR-013
- iii. KALYANINAGAR/BLDG/STR-014
- iv. KALYANINAGAR/BLDG/STR-015
- v. KALYANINAGAR/BLDG/STR-016

The above are approved subject to following conditions.

- 1) SBC of soil strata shall be confirmed prior to construction.
- 2) Grade of concrete for all RCC components of strengthening and the grade of steel for additional floor shall be as per grade mentioned on the approved drawings. The quality of concrete & structural steel should be observed and checked as per IS: 456-2000 and; IS: 2062-2011 & IS: 802, respectively.
- 3) Cover to the reinforcement in concrete should be strictly checked by engineer- in charge.
- 4) Maximum size of aggregates in concrete shall be less than 20 mm.
- 5) Reinforcement around the opening should be as per std. practice.
- 6) Change In design data/foundation strata shall be intimated to this office and the modification/addition in design if any, shall be got approved.
- 7) The responsibility of the College of Engineering, Pune shall be limited to the checking of structural drawings only. All procedural / legal / operational matters and architectural / functional details shall be the responsibility of the owner / architect.

Invoice No/H-983 dated 31/08/219




11/01/2020
Professor,
Applied Mechanics,
College of Engineering, Pune.

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Manager

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