

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**  
**HEADQUARTERS: DELHI FIRE SERVICE, NEW DELHI-110001**

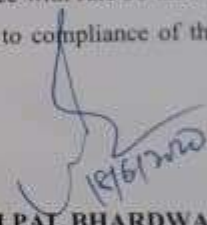
No.F.6/DFS/MS/ School/WZ/110001/2020

Dated: 23/06/2020

**FIRE SAFETY CERTIFICATE**

Certified that the Bosco Public School located at Sunder Vihar (Near Telephone Exchange), New Delhi-110087, comprised of Ground + Three Upper Floors owned / occupied by Bosco Educational Welfare Society (Regd.), has already been issued Fire Safety Certificate Vide letter No. F6/DFS/MS/School/2017/WZ/735 dated 24/05/2017. The premises was re-inspected by the officer concerned of Fire Service on 05.06.2020 in the presence of Sh. Raju Duggal (Secretary) and observed that all the fire prevention and fire safety arrangements provided in the premises found in good working condition. The premises have therefore deemed complied with Directorate of Education, Circular No. 262-362 dated 17.01.2005 and that the building / premises is fit for occupancy class-B (Educational) with effect from 23/06/2020 for a period of three years in accordance with rule 36 unless renewal under rule 37 or sooner cancelled under rule 40 and subject to compliance of the conditions under rule 38 of the DFS rules, 2010.

Issued on 23/06/2020 at New Delhi by.

  
(DHARAM PAL BHARDWAJ)  
DY. CHIEF FIRE OFFICER.

Copy to :-

1. The Principal, Bosco Public School, Sunder Vihar, Near Telephone Exchange, New Delhi-110087.

**Conditions for the validity of Fire Safety Certificate:**

1. All the fire safety arrangement provided their in shall be maintained in good working conditions at all times.
2. Loss of life or property due to nonfunctional fire safety measure shall be at the responsibility of the management.
3. The trained Fire Fighting staff should be available round the clock.
4. Any deviation with regard to the construction etc shall be verified by the concerned building sanctioning agency.
5. This certificate cannot be treated in any case for regularizations of unauthorized construction.
6. "The owner / Occupier shall apply for renewal of this Fire Safety Certificate to the Director in Form 'J' [sub rule (1) of rule37] along with a copy of this Certificate, six months prior to its expiry".
7. There shall not be more than 45 students in class rooms in any case.

# ER. BINDESHWAR PANDIT

B.E(Civil),FIV,MIE

MCD Licensed Engineer E-00099

MCD Structural Engineer S.E-26

Govt. Regd. Valuer U/S 34 (AB) of 1957

Income Tax

Structural Designer

Chartered Engineer

Registered Valuer-IBBI

Ref.No.BPA/113/SAR/BOSCO/DEL/2021/088

Address:

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Delhi-110052

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Date:-09.10.2021

## STRUCTURE AUDIT REPORT

**Address of Property : Bosco Public School, Paschim Vihar,  
New Delhi-110087**

**Name of Owner : Bosco Educational Welfare Society (Regd.)**



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In India, buildings are usually constructed due to high cost and scarcity of land. In order to utilize maximum land area, owner generally propose asymmetrical plan configurations. These asymmetrical plan buildings, which are constructed in seismic prone areas, are likely to be damaged during earthquake. Earthquake is a natural phenomenon which can generate the most destructive forces on structures. Buildings should be made safe for lives by proper design and detailing of structural members in order to have a ductile form of failure. The Delhi laid down in Earthquake Zone-IV and Zone Factor is 0.24.

The concept of earthquake resistant building should be designed to resist the forces, which forces. Normally four storeyed building has less seismic effect with minor damages other than multi-storeyed building. This existing building report comprises of seismic analysis and design four storeyed R.C. building with asymmetrical plan. The building is modeled as a 3D space frame using the software STAAD PRO V8i. The response spectra as per IS 1993 (Part 1):2002 for medium soil.

### **CONCLUSION**

Keeping in view, all the existing structural analysis in software and various test conducted at site and result obtained from the laboratory the building is safe and sound on normal earthquake



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