Government College of Engineering & Research, Avasari (Khurd)
Tal-Ambegaon, Dist- Pune, Pin - 412405
Tele. No. (02133) 230582, Email: gcoeara@gmail.com Web: www.gcoeara.ac.in

No. GCOEARA/Civil/Inspection/2017/ 1830 Date 25 May 2017

To
The Principal,
NCRD's Nalanda English School,
Shewalwadi, Manipur, Taluka Ambegaon,
District Pune, Pincode 410503

Subject: Stability/safety certificate of your school building
Reference: Your letter 776, dated 22 May 2017

Dear Madam,

With reference to the above mentioned subject, the technical inspections of above mentioned school building has been carried out by our expert. The stability/safety certificate with the observations therein is attached herewith for your perusal.

25/5/17

(Dr. A. S. Pant)
Principal,
Government College of Engineering
and Research Avasari (Kd) Pune

Enclosure: Stability/Safety certificate

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STABILITY/SAFETY CERTIFICATE

This is to certify that **NCRD's Nalanda English School** situated at village Shewalwadi, Manipur, Taluka Ambegaon, District Pune has been visited for issuing a **Stability/Safety Certificate.** This building is found to be safe and stable for the purpose for which it is planned, designed and constructed. This certificate of stability/safety has been issued based on the following:

1) The said school building was visited physically for visual inspection of structural system. The existing building has two wings (East & West) connected in 'L' shape constructed in a plot area of 5 acre. Each wing has Ground plus two floors, (G+2) with separation joint at central corner. Built up area on each floor is same for both wings. Built up area of East wing is 18806.24 sq ft and North wing is 31017.68 sqft, totaling into 49,823.92 sqft.
2) No strength and stiffness degradation of any structural element is observed and structural system seems to be intact.
3) Moreover, Rebound hammer test was conducted for sample different structural element and average compressive strength of hardened concrete was observed more than 20 N/mm^2
4) Scrutiny of the structural drawing for this school building shows that the building is constructed in parts and materials used are M20 and Fe 415.
5) Sample columns and footings were analyzed and it has been observed that their capacities (strength) are within the demands (actions).
6) Structural design is based on the SBC of 30 t/m^2. The hard stratum is available at a depth of 1 m.
7) The planning and designing seems to be as per relevant standards.
8) Other services like compound wall, plumbing work, and fire extinguisher are observed.

This certificate is issued on the basis of documents, drawings and test reports provided to us by client, visual inspections of site and analytical design checks carried out by us. This certificate is issued for submission to CBSE Board, Delhi for academic purpose.

(Dr. S. B. Kharmale)
Assistant Professor Applied Mechanics
Govt. College of Engg. & Research,
Avasari Khurd, Dist. Pune.

(Dr. W. N. Deulkar)
Head of Department,
Civil Engg. Department,
Govt. College of Engg. and Research,
Avasari Khurd, Dist. Pune.