

SUNRISE ENGINEERS

Chartered Engineers and Valuers

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CONCLUSION

STRUCTURAL ISSUES:

During the site visit, different structural issues were noticed. The same have been identified and explained in point wise format below:

A. Building Exterior

During the site visit and as per the test results no major structural issues were observed at the exterior of the building. Only some spillage of plaster was observed. This may result in rusting in future.

B. Internal floors

Some visible cracks and seepage at toilet areas were noticeable in the interior of the building along with loss of plaster covering. Spillage of plaster and seepage causes efflorescence noticeable at walls and ceiling.

C. Terrace level

The terrace is being used as an access to the stairs and water tanks. No major issues were found in the terrace area.

D. Foundations – No certified documents were available on the original construction of the foundations of the building. There has been no visual indication of foundational instability or distress in recent or historic site inspections. Moreover, recent assessments and stability evaluations indicate that the foundations are stable. Therefore, the foundation is considered stable.

E. Beams – no cracking or deflection of any kind has been seen in any beam.

F. Columns – no cracking or deflection of any kind has been seen in any columns.

G. Slabs – Since no deflection was observed in any of the accessible and visible beam slab system, slabs are considered stable though some repair and maintenance is required.

H. Staircases – staircases are present in the structure which seem to be fine and under good condition.

RESULT

The building is safe and serviceable under dead and live load.

I am of the opinion that all works of engineering and construction in premises are structurally sound and the building stability will not be endangered by their further use as School.

The Expected life of school main building is around 30 years, if properly maintained timely.



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