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STABILITY CERTIFICATE

11/09/2015

Name & Address of : Shri Narayan Cultural Mission

School Building : Narayan Guru Vidhyalaya, Settlite Road,
Opp. ISRO, Ahmedabad.

This is to certify that. I have inspected above referred School building on 05-09-2015. My observations with respect to the structural members of the buildings and the soundness of the same with respect to the entire present static & live loads on these structural members are assessed from the following criterias.

General considerations of checking the stability of structure in case of R.C.C framed structure, OR Load bearing structure or combination of framed & load bearing structure.

The soundness of structure against its stability is checked with respect to.

1. Cracks in the structural members like columns, beams, slabs, wooden beam etc.
2. Deflection of structural members like beams, slabs, brackets, girders wooden beam etc.
3. Buckling of the structural /RCC columns.
4. Corrosion in the reinforcement of RCC columns, beams, slabs etc.
5. Settlement of the load bearing members like column pedestals, foundations, L. B walls and its foundations etc.
6. An unusual vibration in structural members.
7. Location of the rainwater and drainage lines in the vicinity of the foundations of the building.
8. Proper outlet of the rainwater from the terrace level.
9. Installed storage loads at floor levels.
10. Overhead water tanks, its proper load transferring supporting systems etc.



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(P.T.V)

Conclusions :

From above all points for the above building the soundness of the structure is determined as follows.

6 Points for determining the soundness of the Structure.

- a) Outward sign of corrosion in reinforcement /structural steel. : Not seen
- b) Extent of deflection or cracks in beams Slabs or buckling of columns. : Not seen
- c) Unusual vibration. : Not observed
- d) Settlement if any. : Not observed
- e) Any other sign : Not observed.

Following non structural cracks are observed in building.

- 1) Cracks at the junction of the structural members and filer walls.
- 2) Cracks at the corner wall junctions, where two perpendicular wall meet each other particularly at the corners of the building.
- 3) Cracks at the expansion joints and construction joints.
- 4) Cracks at the floor level at the wall junction and beam junction in the walls only.
- 5) Cracks in the terrace level water proofing.

All above cracks can be repaired with construction chemical materials.

From the above study. I have concluded that the said structures is structurally stable and safe for carrying the structural, static & live loads as installed at present.



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