



INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG

DHENKANAL, ODISHA-759146

(An Autonomous Institute of Govt. of Odisha)

Date: 21.12.2024.

Ref. No. IGIIT/KENG-2393

To
The Principal
PM Shri Kendriya Vidyalaya
Dhenkanal-759015,
Odisha
Ref: Your letter No. F. 150116/1165/2024/KV(DKL)/129, Dt. 23.07.2024

Sub : Visual Structural Audit (VSA) of existing Building at Banmaliprasad, Dhenkanal in the name of PM Shri Kendriya Vidyalaya.

Date of Inspection: 07.08.2024

Introduction:

The building structure of the school has four blocks viz (i) Administrative section, (ii) Primary school (iii) Secondary school and (iv) Senior secondary school. The library hall is within secondary block. The administrative and secondary blocks are built more than 30 years ago. The primary school has been constructed recently. Most of the rooms are used for class room purpose. Few rooms are used for library and laboratories.

Study:

All the four sides of building structure of each block were inspected from inside and outside for structural integrity visually. The visual inspection covered to identify locations of structural and non-structural deterioration. Structural diagnosis of columns, beams, slabs, walls and stair cases were carried out visually. The physical damage locations and leakage areas for structural members were recorded.

All the columns, beams, slabs, walls (except one wall) and stair cases were found to be in good condition visually. One wall in front of library (Class 9A) though in sound condition may be replastered by removing the existing mortar to close the crack urgently. Regular maintenance should include cutting of tree branches leaning to the building, terrace cleaning, avoiding water accumulation on terrace and timely repair of structural damages if noticed. Overall, the structural integrity of the existing school building is satisfactory. The building may require structural audit after two years again.

20.12.2024
Dr. Bikasha Chandra Panda
Professor in Civil Engineering

M. R. R. R.
M. S. M.

24/12/24

Principal/PRINCIPAL
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