

Confidential / Speed Post

F.No.10/V-25/(A-315)/2015-VS.I/337
Government of India



Office of JS & CVO
Vigilance Unit, CPWD
Nirman Bhawan, New Delhi-110108

Dated: 3.03.2021

The ADG (Tech)
CPWD
Nirman Bhawan
New Delhi – 110 011

Subject: Collapse of Portion of 120 Men Barrack Constructed by CPWD at Sector Headquarter, Border Security Force (BSF) at Dumpling, Shillong – Systemic Improvement reg. → (SINO. 02/2021)

Vigilance Unit vide VIGMIS No. 3581 registered a complaint received from Sh. B.N. Malhotra, then ADG (ER-II) regarding collapse of one part of 120 men barrack at Sector Headquarter, BSF at Dumpling, Shillong. One toilet block in the said work collapsed on 19.10.2015. After investigation, departmental proceedings have been initiated against the delinquent officials.

Based on the two reports in this matter; first one of the Committee headed by CPM, IIT Patna Zone for detailed inquiry on the collapse of said toilet block and the second one of the Civil Engineering Department of IIT Guwahati; besides various issues in the execution of work related to poor quality concrete, reinforcement detailing etc, there were also some design related deficiencies as below:

- (I) The enquiry committee headed by CPM, IIT Patna Zone in Para 8(xiii) of the Report dated 29.10.2015 observed as under:

“(xiii) Design aspect: On the design aspect, it is felt that it should have been done more diligently and keeping the difficult site condition in view. It is true that the design concept and philosophy for any building varies from designer to designer but it is felt by the enquiry committee that instead of three expansion joints (thereby dividing the entire building in 4 blocks), it should have been proposed and provided by the designer with one expansion joint only (i.e. total building divided in two blocks only). Length of the building is approx 80m. Separating a toilet block A' (a tiny block) by providing an expansion joint does not appear sound and it should have been integral part of barrack building from the consideration of providing better structural stability to the toilet block.”

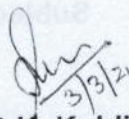
- (II) Civil Engineering Department of IIT Guwahati, vide Para 3.1.2 of its report No. CE-01/17 observed that the collapsed structured was ill conceived as the six-story building was having top three story with in-fill walls, while the bottom three story were having beam and column skeleton only.

Copies of the above two reports are enclosed for your ready reference.

Central Design Organisation (CDO), CPWD is requested to examine above design related deficiencies and take necessary action for systemic improvement to prevent recurrence of such cases. Action taken in the matter be advised to Vigilance for information.

This is issued with the approval of DG, CPWD.

Encls: As above


(S.K. Kohli)

Executive Engineer(V)-12

g.18ucd
Amr
03/03/21