

K.C Bottom & Shirt Wear Company (New Building)

K.C Industrial Park, Ratuti, Katchkura, Uttarkhan. Dhaka-1230.

(23.85903, 90.46560)

4th March 2021



Buildings Information

1. Building-2 (G+5)
2. Compressor Room (single storied)

Observations

Design report does not fully comply as per BNBC

ENGINEERING ASSESSMENT

OF

6 (SIX) STORIED FACTORY BUILDING

BUILDING-2

AT

KC INDUSTRIAL PARK, RATUTI, KACHKURA, UTTAR-KHAN,
UTTARA, DHAKA, BANGLADESH



FOR

NIPA GROUP

ISLAMBAG, HOLAN, DHAKHINKHAN, UTTARA, DHAKA-1230

DATE : NOVEMBER 2018

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As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. The prepared design report not fully comply with the BNBC requirements. Evaluation of concrete strength, All the serviceability issues not addressed. The building engineer is required to prepare the design report

Column susceptible to vehicle impact



Columns at loading bay are susceptible to impact loading from vehicles.

Problems Observed

Building-2:

1. Design report not fully comply as per BNBC.
2. Column susceptible to vehicle impact.

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Design report does not fully comply as per BNBC. (Building 2)	Building Engineer to prepare design report as per BNBC (part 6; Article 1.9.1) by reviewing design, loads, capacity of structural members & serviceability issues.	6-weeks
02	Design report does not fully comply as per BNBC. (Building 2)	Carry out any remedial works where necessary.	6-months
03	Column susceptible to vehicle impact. (Building 2)	Construct and maintain protection to critical column and continue to assess likelihood of vehicle impact to critical elements.	6-weeks