



B. S. STRUCTURAL INNOVATION COMPANY

SPECIALIST IN CIVIL & M.S. STRUCTURAL WORK

GSTIN : 19AESPG5712R1Z0

Sl. No.

Ref. No.: *BSSTC/SG/STRUCTURAL FEASIBILITY REPORT/GHIISSB/KHASSI Dns: 15/07/2024*

Re: PREMISES NO – 135 B.T ROAD, DUNLOP BRIDGE , NARENDRA NAGAR ,BEEHIVE GARDEN ,
DAKSHINESWAR ,BARANAGAR W.B – 700108

(KHALSA MODEL SENIOR SECONDARY SCHOOL)

SUB: STRUCTURAL HEALTH AND FEASIBILITY REPORT

TO WHOM IT MAY CONCERN

Having Being asked by the members of Gurdwara Sikh Sangat, Dunlop Bridge, Kolkata – 700108, to inspect the existing two buildings of covered area 7447 Sq.M (80,130 SQ.FT.) and to prepare the structural health and Feasibility Report of the same ,I the undersigned ,had undertaken the job of rendering consultancy (Structural – Civil foundation Adequacy check and Structural Design of the existing buildings.)services to prepare the Structural Feasibility Report and subsequently the structural stability certificate.

I, conduct, Load test (6 nos.) and NDT(Rebound Hammer Tests, Ultrasonic Pulse velocity tests as per (IS:13311-1992-PART 1&2) (IS 516-1959 & its subsequent amendments) have compared the data (applied and as per actual Vs. permissible criteria) and found that the load test data are more or less in accordance with the IS -456-2000(Codal provisions).

The slab thickness provided 150mm is adequate and reinforcement provided is adequate. The load tests data furnished herewith suffice the criteria for safe and stable structure. The qnet, safe considered for checking the adequacy of the buildings is 7t/m² or 70kN/sq.m. All provisions for combinations of vertical and horizontal loads as per IS codes& National Building Code of India 2016 & its subsequent amendments are considered during the Structural Design of the buildings, with proper retrofitting works for cracks which developed at the junction of two buildings, the buildings. The buildings will remain safe ,stable, & erect for years to come ,strict vigil of EIC(Engineer in charge)during the retrofitting procedure is of absolute essence to maintain structural integrity and structural sanity of the buildings under consideration.

Soumyendu Ganguly

SOUMYENDU GANGULY

CIVIL & STRUCTURAL DESIGNER & CONSULTANT

M.B.A. (SYS.) B.C.E.(J.U.) CHARTERED ENGINEER

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(SOUMYENDU GANGULY)

KHALSA MODEL SR. SEC. SCHOOL

[Signature]
General secretary

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Principal

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