

Structural Audit Report on Foundational Preparatory Block, Kendriya Vidyalaya II, Kharagpur

13.0 Bill of Quantities

A detailed Bill of Quantities (BOQ) has been prepared for the repair and rehabilitation of the Foundational Preparatory Block at Kendriya Vidyalaya – II, Kharagpur. The BOQ is based on the Delhi Schedule of Rates (DSR) 2023, ensuring standard specifications and current market-aligned cost estimation. The estimate incorporates all major civil works including surface treatment, moisture rectification, dismantling of non-structural elements, roof rehabilitation, slab replacement in settlement zones, and final finishing works. It is derived from on-site quantity assessments and the defined scope of structural intervention. The total estimated cost for the proposed works is ₹25,20,4639 (Appx) This BOQ will serve as a reference for budgeting, tendering, and execution ensuring timely and effective implementation of the repair strategy.

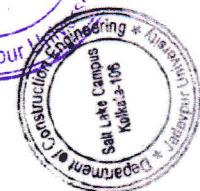
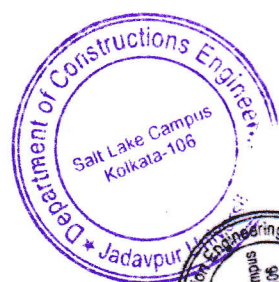
14.0 Conclusions

The structural assessment of the Foundational Preparatory Block at Kendriya Vidyalaya – II, Kharagpur confirms that the primary RCC frame is stable with no major structural distress. However, localized issues such as deteriorated architectural pipe ducts, moisture ingress, doubtful concrete quality in specific zones and significant ground floor settlements require targeted repair measures. Non-destructive test and structural analysis support the building's continued use but highlight the need for preventive maintenance. A stage-wise repair strategy and supporting BOQ have been proposed to address these concerns efficiently. Timely execution will ensure safety, durability and uninterrupted academic operations.



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