



RAJEEV JUNEJA

BE (Civil) F.I.V., F.I.E. Approved Valuer of Govt. of India
For Income Tax & Wealth Tax

Approved Valuer for : SBI, PNB, SBOP, OBC, BOI, IDBI, P&S, UBOI, Corporation Bank, Andhra Bank & UCO Bank
& App. Structural Engineer for HUDA & M.C. Bhiwani

RESIDENCE -CUM- OFF :

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Ref. No. RJ/S/C/02

Dated..21/4/2011.....

TECHNICAL/ STRUCTURAL STABILITY REPORT IN CASE OF "ZEE HIGH SCHOOL" SITUATED ON BHIWANI-HISSAR STATE HIGHWAY AT DISTANCE OF 6.6 KM. FROM BHIWANI CITY, BHIWANI RUN BY BHIWANI EDUCATION TRUST BHIWANI TEH. & DISTT. BHIWANI THROUGH TRUSTEE

Before, I submit the Technical/ Structural stability report of the aforesaid High School building under the charge of Bhiwani Education Trust Bhiwani Teh. & Distt. Bhiwani, it is imperative to place myself appraisal for the perusal of the education department.

SELF APPRAISAL:

I, Rajeev Kumar Juneja, a permanent resident of H/NO.1470, Sector-13, HUDA Bhiwani Teh. & Distt. Bhiwani, obtained my Degree in Civil Engineering from Karnataka University, Dharwar in the year July, 1992 with 1st class.

I have worked in major engineering projects with M/s. J.P. Kumar & Associates, Gurgaon. After that I have been associated with Taneja & Arora Architects for last 13 yrs for doing structural design and valuation of projects:

(a) Now, I have been registered with the office of the Chief Commissioner, Income Tax, Panchkula with registration No. CCTT/PKL/2008-09/34AB/1298/04 Dt. 06.06.2008 to work as approved valuer.

(b) I have been registered with the Institution of Engineers (India) as approved member of Engineer vide No.M-139662-5 Dt. June, 2009.

(c) I have been registered with the Institution of Valuers 4,5,6 Vishal Market, Mukherjee Nagar (West), Delhi as fellow of Valuer vide No.F-17868/4397 Dt. 20.08.2007.

(d) I have been registered as approved structural design Engineer with HUDA department to work in whole Haryana as per approval of HUDA Administrator of Hissar vide Sr. No.130 Dt. 08.07.2009.

In addition to above, I am also working as approved structural designer Engineer for municipal council, Bhiwani to approve the design of steel for the major buildings.

(e) I have also been registered with many Nationalized Banks to work as approved valuer.





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LOCATION

This newly built school is located on main Bhiwani-Hissar state highway at a distance of 6.6 km. from Bhiwani town.

Sh. Mohit Goel, one of the member of The Bhiwani Education Trust, Bhiwani Teh. & Distt. Bhiwani, approached me on 19.04.2011 and requested that this school building may be inspected and technical investigations/ structural stability in light of the school building be investigated and report may kindly be prepared.

Accordingly, I visited this school building on 21.04.2011, at that time Sh. Mohit Goel, Member and Mrs. Anju Dhawan, Principal of the school and some other teachers and staff members were also present. I started the technical investigations regarding structural stability of the building from the ground floor to 1st floor.

FOUNDATION

The foundation comprises of open trench/ stepped type foundation with isolated pillars at suitable intervals. The brick masonry of the foundation has been executed in cement and stone dust mortar of appropriate ratio and is quite safe for triple storey building. RCC pillars with appropriate reinforcement have also been provided at suitable intervals, to safe guard the building against wind pressure and earth quake. The width of the foundation is also sufficient to make the building quite safe. The same building is RCC frame structure from foundation onwards.

WALLS

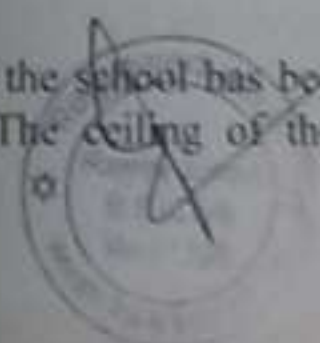
The walls have been constructed with first class brickwork in cement stone dust mortar with proper specifications along with RCC column at regular interval Act as a RCC frame structure.

PLASTER

All the class rooms, administrative block, toilet blocks and other rooms have been plastered from inside and outside with required ratio of cement sand mortar.

ROOF

The whole building of the school has been covered with RCC slab along with proper reinforcement. The ceiling of the roof has also been plastered.





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Generally all the class rooms varies from 24'-0" x 20'-0" to 20'-0" x 25'-0" with proper ventilation from both sides. All the entire class rooms are centrally AC and necessary provision for extra light being done by constructing big size of glass windows on front side. All the rooms have also been distempered and proper ventilation as per norms has also been provided.

JOINERY

Aluminum framed chowkats for doors and windows have been fitted at site. Glass with aluminum doors and windows shutters have been provided with glass work wherever required for windows shutters. The rooms have connected with covered RCC slab of 12' wide gallery.

FLOORING

All the class rooms ground floor to 1st floor has been provided with kota stone flooring. The floor of administrative block and some other rooms have furnished with modern type tile-flooring.

ELECTRIFICATION :

The underground electricity fitting as per ISI along with all accessories have been provided as per prevailing specifications.

SANITATION :

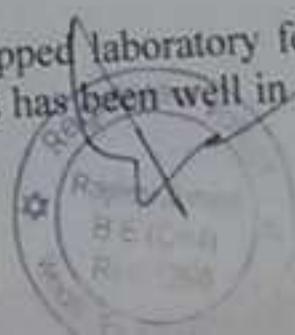
Separate toilet blocks for girls and boys with latest specifications of sanitation have been provided at site.

DRINKING WATER FACILITIES :

Provision for safe and potable drinking water with filtration arrangement for the students have also been provided at site.

MISC. FACILITY :

1. **Co-curricular Activities** : 2nos. of multipurpose hall at ground floor well in furnished for co-curricular activities for students during the Academic year has been provided with proper ventilation and light.
2. **Lab & Laboratory** : 5nos. of well equipped laboratory for practical subject knowledge for each practical as per syllabus has been well in position at existing





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at site. Along with above necessary workshops has been provided with proper ventilation and light.

3. Play ground : Suitable play ground for the purpose of outdoor games, sports and other materials for such games and sports are provided in front and back.

In addition to above a well greenish lawn along with trees in front of the building as well as entrance of School along with land escaping are done to give beautiful appearance to entire school culture.

CONCLUSION :

In light of the above investigations, I am of the opinion that this newly built up school building is quite structurally safe being RCC framed structure in light of the norms fixed by the education department.

D.A.

1. 1 Plan
2. Photographs.



(RAJEEV JUNEJA)

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