

B.sc Engg. (Civil), M.E. (Cal), MIE, MISTE, FIV  
Chartered Engineer, Surveyor & Loss assessor  
Ex. H.O.D. Civil Engg. Department (Civil), Structural Engineer RDA  
Orissa Govt. Approved Valuer, Comp. Person of Factory of Boilers

GC-36; R.C.M.S Complex  
S.T.I. Chouk, Rourkela-769012  
DIST- sundargarh,  
Phone No.-(0661)-2501215,  
2421514, 9437041215, 9937051215

REFNO - RNM/STR1037

Dt - 05.05.2022



ISO 9001 Registered  
ISO-9000-2008

(Certified Company)

## STRUCTURAL STABILITY CERTIFICATE

### CERTIFICATE FOR STRUCTURAL STABILITY

With respect to the building works of erection, re-erection or for making alteration in the constructed G+1 Storyed Building Plan of Ispat High School, Over Plot No- 1(p) of unit no-15 & plotno-191(P) of unit no 14, P.S-Sector-15, Dist:-Sundargarh of Rourkela Municipality within the Development Plan Area of RDA, I certify structural plans and details of the building of the building submitted for approval that the structural safety requirements for all situations including natural disasters like cyclone & earthquake etc. as applicable under Part-6 (Structural Design) of the National Building Code of India, 2005 and other relevant codes; and the information given therein is fully correct to the best of my knowledge. I undertake responsibility with regard to supervision of the work at each stage of construction, (laying of foundations & after casting of each floor) as per the structural plan prepared by me. I will be responsible and liable for any action by R.D.A./ Govt. if the plan/ design contain misrepresentation or fraudulent information and the construction is made in deviation to the approved plan or if there is any structural failure due to wrong/ unsafe structural design, use of low quality material and/ or poor workmanship endangering the in-mates, public & properties.

Signature of owner  
/Developer/Builders

Name :- *Jaswinder Kaur*

Address:- *DAV Public School Sector-16*

*Rsp Industrial Township, sector-16*  
*Rourkela-03*

*ER. RAJESH KISHORE*  
Signature of the Registered Engineer/  
Govt. Registered Structural Engineer  
Regd No - RTP/DTP/ST/EP/043/001  
Structural Engineer With date and registration No.

*Maul*  
Principal  
DAV Public School, Sec-16, RKL

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M-127455/9, F-16896, LM -18718, RDA-RTP/DTP(ST.ER)-043/2017

GD-24, R.C.M.S. Complex  
S.T.I. Chowk, Rourkela-769004  
DIST- Sundargarh,  
Phone No.-(0661)-2501215,  
Ph-9437041215



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ISO-9001-2015  
(Certified Company)

STABILITY CERTIFICATE

The total BUA of G.F.&F.F =23200.50SFT=2155.37 SQM

We are considering DL & LL is 3.25 ton/sqm is the expected load over the contact area of the load bearing wall.

Length of the contact wall x width of the contact wall=1765.50RftX2.0  
=3531.00 sft=328.03 x2.5(F.S)= 820.07 SQM

Required Contact area=1909.48x3.25=6205.84/14.89tn/sqm=416.77 SQM

As the required contact area is more than the loading area.

Hence it is safe

- It is advisable to construct wall over wall though it is a load bearing structure to easily transfer the overlaying load through wall to base for long hall intermediate beams with proper bed block should be provided to take care of big wall

*ER. RABINDRA K. MOHANTY*  
SIGN. TECHNICAL PERSON  
Govt. Registered Structural Engineer  
Regd. No.-RTP/DTP (STER)-043/2017

-----Panel Valuer-----  
State Bank of India, UCo Bank, Allahabad Bank, Bank of India,  
LIC Housing Finance,  
Union Bank Of India, ICICI Bank etc

DVA Engineering & Services Pvt. Ltd.  
Principal  
Sec-10, RMT