

Case Study

Public School in Light Gauge Steel



Location	Siddanhalli, Hidakal dam, Karnataka
Country	India
Project Size	300 sqft per building
Client	Karnataka Neravari Nigam Ltd.
Ezybuild Solution Provider	ARK ENTERPRISES- Akshay Kulkarni- Belgaum
Product Offered	Smartbuild®

Siddhanhalli village falls under the area which is submerged by the waters of Hidkal Dam in Karnataka.

The area is very remote and is not having continuous power supply and also no mobile network. The village has a public school which requires heavy maintenance once the building is retained after submergence in water for a long period. Because of this heavy maintenance the building is further not utilized for educational purpose till the repair work is completed.

Smartbuild solution offers a fast, easy and relocation facility for such circumstances. Now, with this new school building- Smart building, the authorities can dismantle the building during submergence and re assemble the same when water level comes down in a week's time the building will be ready for educational activities.

ASP took 3 working days to complete the building on existing plinth beam.

Smartbuild® Solution proved to be simple and reliable method. The remote location was a challenge for the project, however, offering pre-rolled components with simple assembly procedure, the construction procedure was quick and sturdy complemented with aesthetics.

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Highlighting features:

- Wall frames and trusses are made from high strength G550MPa Zinalume[®] alloy coated cold rolled steel which ensures its corrosion free performance for years.
- Light gauge steel frame members ensured quick and easy installation
- Colorbond[®] Steel used for roofing and wall cladding, enhances the structural look and with long life as a complementary aspect.
- Entire system is having self-drilled screws with high durability and long life for structural as well as roof & wall sheeting.

Typical Smartbuild[®] Design Offering for prospective Buyers:

- Clear Span : Upto 15m
- Maximum Eave Height: : Upto 3.2m
- Length :as per requirement

Typical Applications:

- Roof top buildings
- Offices
- Residences