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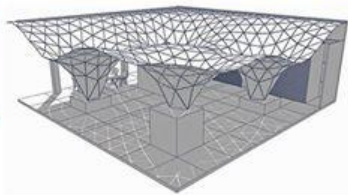
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POSSIBILITIES WITH PLYWOOD

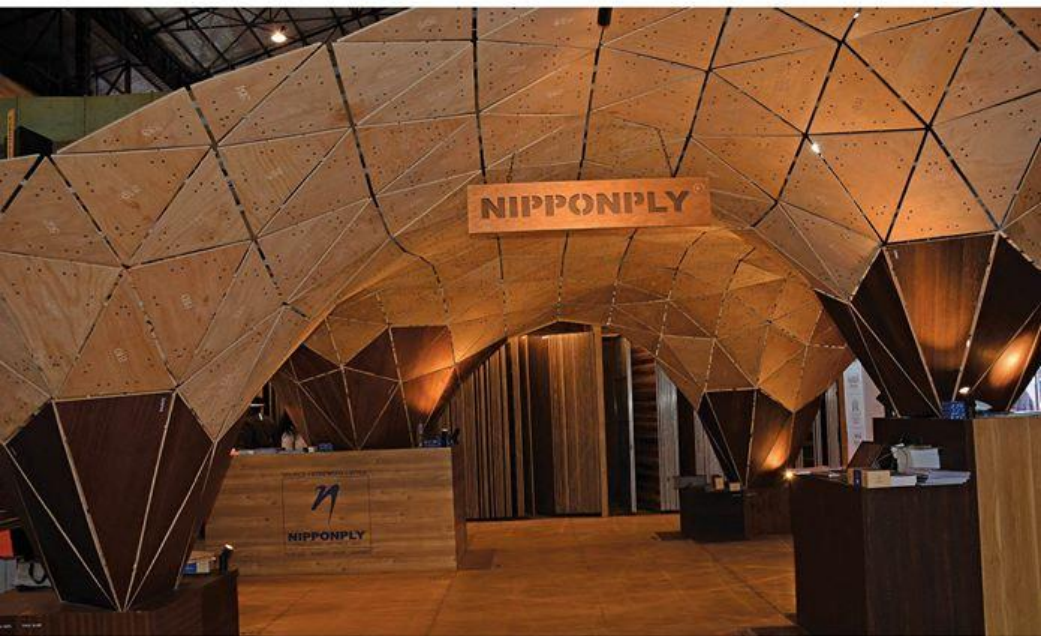


Well, as rightly said, **“building blocks of matter give shape to new horizons”** similarly **NIPPONPLY** is promoting the idea of **“VALUE FOR MONEY”** by offering excellent quality, durability, strength, and norms in its plywood product line. To showcase that quality, raw material used and range of products, Nipponply participated in **ACETECH Exhibition** where their stall was beautifully made of only plywood shelters.

Plywood being basic raw material, clients usually do not consider it as a décor surface product. Therefore, **Nipponply** has introduced to the Indian market plywood/BB/FD with decorative surfaces which come with a higher face thickness.



Designed by: Studio Saransh, Ahmedabad
Design Team: Malay Doshi, Neel Jain, Arihant Bajaj
Structural Consultants: Saksham Consultants



STRUCTURAL PURPOSE

The purpose of this design was to test the material, mainly plywood, under various amounts and types of stress. The result has been exponentially better than expected. Quality speaks for itself reflected in the structure where Nipponply's Gold ply is bent and used a flooring element. Structural tests for 20kgs per sqm were done for this pavilion on the computer, but the actual structure has been able to take the weight of two people simultaneously walking on it with just minor deflections. The structure itself was very stable because of its form, but that took nothing away from the plywood as it was under constant bending and axial stress.

DESIGN MANDATES

Nipponply pavilion was essentially a shell system structurally made, which consisted of 2 main materials, Plywood panels and MS brackets. Both took equal part in the structure, hence creating a composite system, in which the brackets helped mould the form into place creating the various angles and panels creating the surface.

The shell was completely computer generated (parametric design), all the parts machine cut and the total assembly was by hand.