

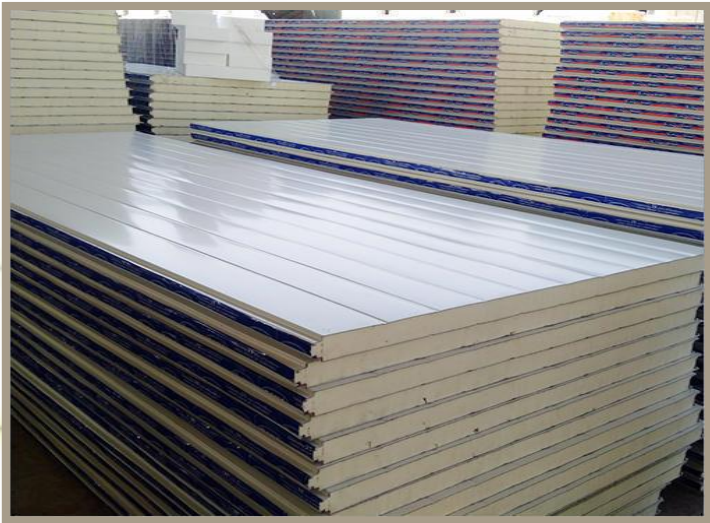
Discontinuous Sandwich Panel Production.

Sandwich Panel

Manufacturing Business

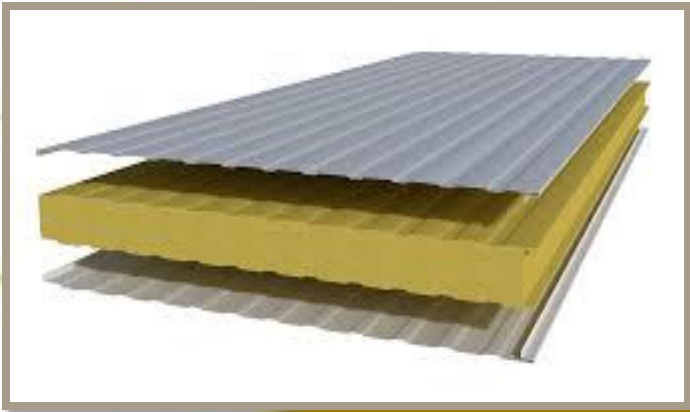
Introduction

Sandwich panels (sometimes referred to as composite panels or structural insulating panels (SIP) consist of two layers of a rigid material bonded to either side of a lightweight core. The three components act together as a composite; that is, the combination of the characteristics of the components results in better performance than would be possible if they were acting alone.



Features:

- **High thermal efficiency**
- **High strength to weight ratio**
- **Available in length upto 6 Mtrs.**
- **Thickness range of 40 to 150 mm**
- **Specially designed camlock type system for airtightness**
- **Lightweight and easy to assemble**
- **Relocatable-modular design**
- **Maintenance free**



It is an aesthetic material used for surface cladding. They are seperated as roof, facade and cold room panels. Sandwich panel systems include the panels themselves, the joints between them, fixings (often concealed) and a support system.



Market Outlook

This sandwich setup allows achieving mechanical performance with minimum weight. The most used materials for cores are polystyrene, polyurethane, phenolic aldehyde, mineral wool. Steel sandwich panel is generally used in constructions of roof, and wall.

A sandwich panel consists of a core/insulating material of low density sandwiched between two layers of metal, bonded under pressure. The sandwich panel market is expected to witness a high growth rate during the forecast period, 2018 to 2023. The major end-user industries of sandwich panel market include industrial buildings, commercial buildings, cold storage facilities, warehouses, amongst others. Sandwich panels provide a quite level of thermal, sound, water insulation, and also prevents moisture condensation.

The global sandwich panels market is predicted to exhibit a 7.04% CAGR from 2018 to 2023 (forecast period) owing to the high demand among real estate developers. Rise in infrastructural projects in developed and developing economies are likely to accelerate the market demand during the forecast period. Furthermore, the construction of special economic zones and commercial buildings owing to rapid industrialization is likely to augment the market size in the coming years.

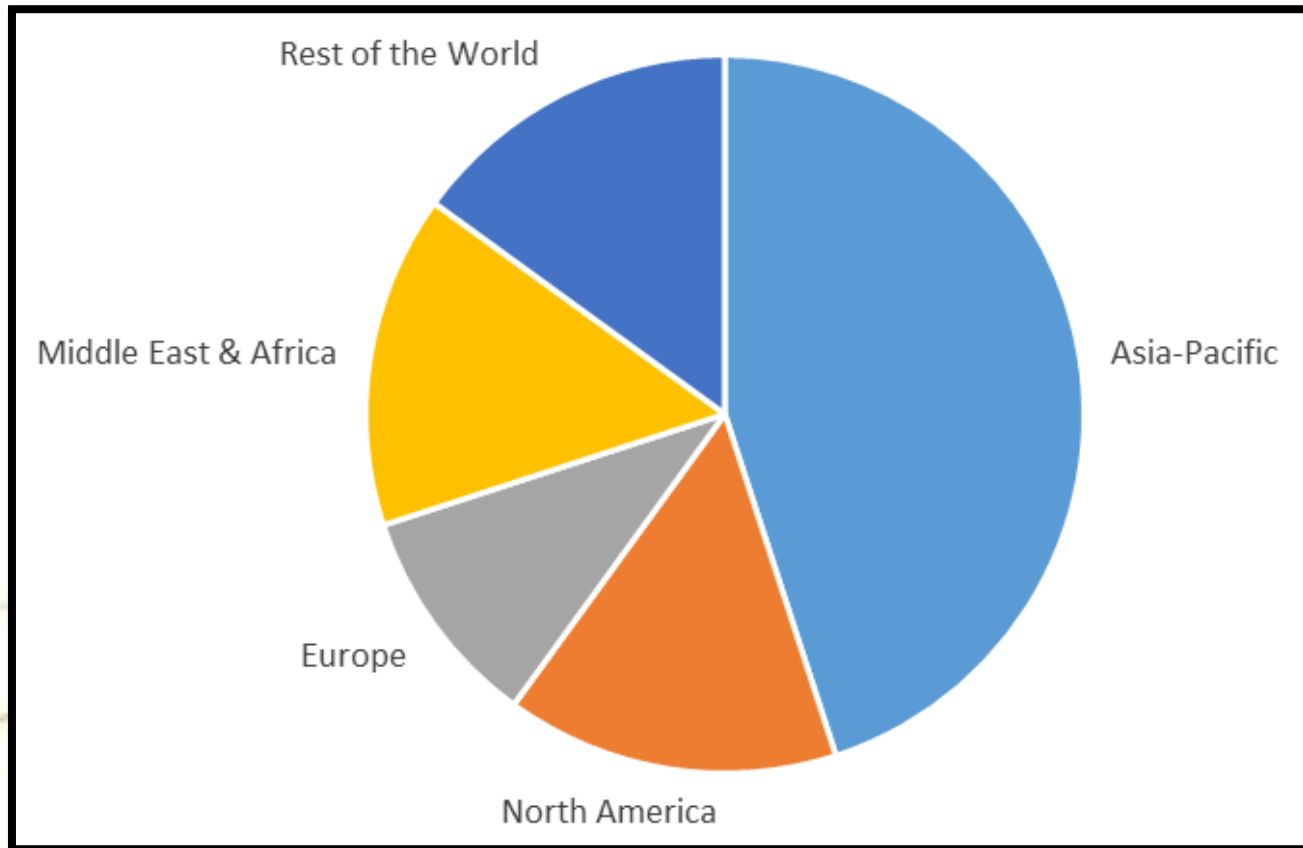
Buildings & construction is one of the major end-user industries driving the growth of sandwich panel market. With rapid industrialization in the emerging economies, the need for less time-consuming construction solutions is growing which in turn increases the demand for sandwich panels.

Due to their easy installation property, sandwich panels are cost-effective and inexpensive when compared to other wall assemblies. The average growth in the global construction spending has been recorded at 8.1% in the last five years.

Increasing awareness about the energy efficient buildings, improvement in thermal performance of sandwich panels and implementation of stringent energy conservation regulations are expected to be the major drivers for the growth of sandwich panel market during the forecast period.

Increasing adoption of the sandwich panels for residential, commercial, and infrastructure development is expected to boost the market in the coming years.

Sandwich Panel Market: Market Share by Region (%), Global, 2017



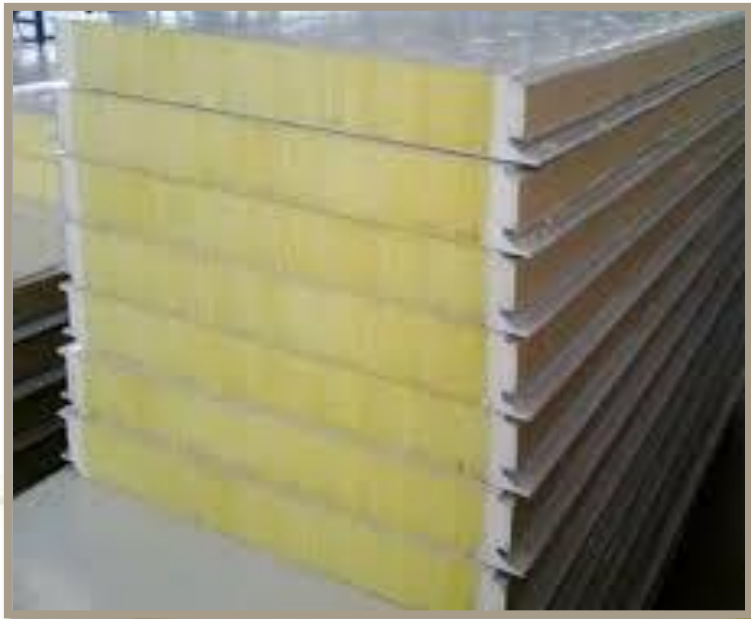
By type, the global market is segmented into glass wool, rock wool, polyurethane (PR)/polyisocyanurate (PIR) sandwich panels, expanded polystyrene (EPS) sandwich panels, and others. Major market applications include residential buildings, commercial buildings, industrial buildings, and cold storage.

Rise in infrastructural projects in developed and developing economies are likely to accelerate the market demand during the forecast period. Furthermore, the construction of special economic zones and commercial buildings owing to rapid industrialization is likely to augment the market size in the coming years.



Sandwich panels in India have been showing strong growth mainly in telecom shelters, cold chain and industrial buildings.

In the Europe, Africa, Middle East (EAME) region, the market for polyurethane- cored sandwich panels has been growing rapidly over the last years and is currently estimated to be 130 million per annum.



Machinery Photographs





Project at a Glance

PROJECT AT A GLANCE								(in lacs)
COST OF PROJECT				MEANS OF FINANCE				
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total	
Land & Site Development Exp.	0.00	145.00	145.00	Capital	0.00	2107.98	2107.98	
Buildings	0.00	126.80	126.80	Share Premium	0.00	0.00	0.00	
Plant & Machineries	0.00	7081.00	7081.00	Other Type Share Capital	0.00	0.00	0.00	
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00	
Office Automation Equipments	0.00	53.00	53.00	Cash Subsidy	0.00	0.00	0.00	
Technical Knowhow Fees & Exp.	0.00	35.00	35.00	Internal Cash Accruals	0.00	0.00	0.00	
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	6323.93	6323.93	
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Debentures / Bonds Unsecured	0.00	0.00	0.00	
Provision for Contingencies	0.00	524.00	524.00	Loans/Deposits	0.00	0.00	0.00	
Margin Money - Working Capital	0.00	454.11	454.11					
TOTAL	0.00	8431.91	8431.91	TOTAL	0.00	8431.91	8431.91	

Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS	Per Share		Per Share	Per Share		%		No.of Times	%
1-2	5.22	10.73	15.22	24.00	0.00	100.00	5.22	0.00	5.22	1.00	0.00
2-3	7.45	12.15	22.67	18.00	0.00	100.00	7.45	0.00	7.45	1.00	0.00
3-4	9.77	13.77	32.44	12.00	0.00	100.00	9.77	0.00	9.77	1.00	0.00
4-5	12.11	15.51	44.55	6.00	0.00	100.00	12.11	0.00	12.11	1.00	0.00
5-6	14.43	17.33	58.98	0.00	0.00	100.00	14.43	0.00	14.43	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Retur n on Net Worth	Profitability Ratio					Assets Turnov er Ratio	Curre nt Ratio
	Individ ual	Cumulat ive	Overa ll					GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.51	1.51		1.58	1.58	2.56	9.02%	5.20%	4.40%	4642.16	18.60%	2.19	1.04	
2-3	1.71	1.61		0.79	0.79	1.55	10.55%	7.62%	5.39%	5405.57	18.56%	2.39	1.30	
3-4	1.98	1.72	2.00	0.37	0.37	0.98	11.59%	9.36%	6.19%	6177.55	18.56%	2.47	1.58	
4-5	2.33	1.85		0.13	0.13	0.63	12.31%	10.62%	6.82%	6949.53	18.56%	2.45	1.86	
5-6	2.76	2.00		0.00	0.00	0.42	12.81%	11.55%	7.31%	7721.51	18.56%	2.36	2.69	

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	29.83%
Total BEP (% of Installed Capacity)	37.74%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	27.37%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	10.556

Major Queries/Questions Answered in the Report?

- 1. What is Discontinuous Sandwich Panel Manufacturing industry ?**
- 2. How has the Discontinuous Sandwich Panel Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Discontinuous Sandwich Panel Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Discontinuous Sandwich Panel Manufacturing plant ?**

- 5. What is the structure of the Discontinuous Sandwich Panel Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Discontinuous Sandwich Panel Manufacturing Business?**
- 7. What are the operating costs for setting up Discontinuous Sandwich Panel Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Discontinuous Sandwich Panel Manufacturing plant ?**

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Discontinuous Sandwich Panel Manufacturing plant ?

10. What are the requirements of raw material for setting up Discontinuous Sandwich Panel Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Discontinuous Sandwich Panel Manufacturing Business?

12. What is the Manufacturing Process of Discontinuous Sandwich Panel?

13. What is the total size of land required for setting up Discontinuous Sandwich Panel Manufacturing plant ?

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Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Discontinuous Sandwich Panel.” provides an insight into Discontinuous Sandwich Panel market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Discontinuous Sandwich Panel project. The report assesses the market sizing and growth of the Indian Discontinuous Sandwich Panel Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Discontinuous Sandwich Panel sector in India along with its business prospects. Through this report we have identified Discontinuous Sandwich Panel project as a lucrative investment avenue.

Tags

#Production_of_Discontinuous_Sandwich_Panel, #Sandwich_Panel_Production,
#Discontinuous_PU_Sandwich_Panel_Production, #Insulated_Sandwich_Panels, How to make
Sandwich Panel, #Sandwich_Panel_Manufacturing, Sandwich Panel Manufacturing Process,
Discontinuous Sandwich Panel Manufacturing Process, Discontinuous Production of Sandwich
Panels, Discontinuous Sandwich Panel Production, #Discontinuous_PU_Sandwich_Panel_Plant,
Sandwich Panel Plant, Project Report on Discontinuous Sandwich Panel Production,
#Project_Report_on_Sandwich_Panel_Manufacturing_Industry, Detailed Project Report on
Sandwich Panel Manufacturing, Project Report on Discontinuous Sandwich Panel Production,
#Pre_Investment_Feasibility_Study_on_Discontinuous_PU_Sandwich_Panel_Production,
#Techno_Economic_feasibility_study_on_Sandwich_Panel_Manufacturing,
#Feasibility_Report_on_Discontinuous_Sandwich_Panel_Production, Free Project Profile on
Discontinuous Sandwich Panel Production, Project profile on Discontinuous Sandwich Panel
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**Niir Project Consultancy Services (NPCS)
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NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.



And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
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- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,



Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](#)



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- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



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We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.



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- *Market Research Reports*
- *Business Plan*
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- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Contact us

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