Double Wall Corrugated HDPE Pipes Manufacturing Industry.

Production of DWC Pipe for Drainage and Fiber Electric Cable Network
**Introduction**

DWC Pipes or Double Wall Corrugated Duct Pipes are the ones, which are manufactured from the HDPE Materials and are designed specially to provide the cost effective solutions to the people. These DWC Pipes are far more superior in terms of technicality and holds several advantages over the other pipes currently in use.
The various properties of the DWC pipe make it the best product available in the category. With good corrosion resistance, the longevity of the pipes increases and also the wear and tear decreases. The product is regarded as the safest and chemically inert and is regarded completely safe in regard to environmental damages. Also, featuring a good impact strength, the DWC pipe has features the smooth inner wall and thus any losses due to friction is at minimum.
Double wall corrugated pipe or DWC pipe is slowly gaining its popularity for the construction purpose. Most of the companies prefer DWC pipes for the underground drainage system and fiber electric cable network. DWC is a low-cost product with the excellent quality solution. Double Walled Corrugated Hide Pipe category demonstrates high growth prospects among leading plastic pipe resin categories. Double Walled Corrugated Hide Pipe downstream is wide, and the major fields are water supply, oil and gas, sewage systems, agricultural applications, etc. Increasing demand for water supply is expected to drive the demand for the Double Walled Corrugated Hide Pipe market.
The future aspects of the DWC Pipe can be judged from the following:

1. Since, the demand of the underground ducting and piping in on the rise in the country, the future of the economical and sustainable ducting is on the rise.

2. The future of the Corrugated pipes of this sort is thus bright, which are highly economical, environmentally safe.

3. As of now, the industry is still unorganized, but with the growth of the country and its GDP, the advent of the more organized players in the market, will push the future of the DWC Pipes Duct to the new and higher levels.
Uses

The use of the double wall corrugated pipe is on the rise. The industries involved in the use of such pipes are now more conscious on how to save bucks with the installation and use of the best products for their various activities. The double wall duct pipe features the corrugated shape and thus offer great strength in the compression resistance. The manufacturing of the double wall duct pipe requires almost the minimum raw material and thus the effect on the environmental aspects is greatly reduced.
Market Outlook

Global Corrugated Pipe market size will increase to Million US$ by 2025, from Million US$ in 2017, at a CAGR of during the forecast period. In this study, 2017 has been considered as the base year and 2018 to 2025 as the forecast period to estimate the market size for Corrugated Pipe. The Double Walled Corrugated Hide Pipe Market is segmented on the lines of its Product, application and regional. Basis of Product is segmented into Small calibre type and large calibre type.
HDPE Pipes Market:

The global HDPE pipes market was valued at $17,907 million in 2017 and is projected to reach $26,518 million by 2025, growing at a CAGR of 5% from 2018 to 2025.

Owing to the increasing application of HDPE pipes in various end use industries, the market for HDPE pipe is expected to witness substantial growth. The growth in demand from water irrigation systems in agricultural industry is expected to drive the growth of the HDPE pipe market.
Rapid urbanization is anticipated to increase the demand for water supply, leading to increase in requirement of HDPE pipes. Furthermore, growth in sewage disposal infrastructure fuels the demand for HDPE pipes. However, volatile raw material prices attributed to fluctuation in prices of crude oil is expected to hamper the market growth. Conversely, innovation and technological advancements in PE pipe provide future growth opportunities to the HDPE pipes market.
HDPE pipes market is to witness substantial growth with increasing application for the HDPE pipes in various end use industries. HDPE pipes are polyethylene thermoplastic pipes used to transit gas, water for agriculture irrigation, drinking water supply, in sewage systems and others. HDPE pipes are corrosion resistant and recyclable. Thus, seen as the replacement to various metal pipes. HDPE pipes are cost effective, light in weight and considered as a preferred choice over traditional metal pipes. The growth of global HDPE pipes market is fueled by growing demand from water irrigation systems in agriculture industry coupled with urbanization due to influx of middle class, resulting in upgrading, expansion and huge demand for infrastructural improvements and water supply across the globe.
Based on application, the High density polyethylene (HDPE) pipes market can be segmented into chemical/processing, water supply, gas distribution, telecom ducts, drainage & sewerage, and others. HDPE pipes are primarily used to supply drinking water. The non-corrosive nature of these pipes make them suitable for sewerage and sewage disposal. The global High density polyethylene (HDPE) pipes market has been expanding due to the rise in demand for these pipes in water irrigation systems in the agriculture industry and increase in urbanization owing to the growth in demand for infrastructure improvements and water supply across the globe.
Global HDPE Pipe Market Value (US$ Bn), 2016-2024

- 2016: US$ 13.7 Bn
- 2024: US$ XX Bn
In terms of geographical distribution, the global HDPE pipes is studies for five major regions namely, North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa.
Machinery Photographs

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## Project at a Glance

### Cost of Project

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
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**TOTAL** 1510.57
## Project at a Glance

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# Project at a Glance

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<th>Equity as Equity</th>
<th>Total Net Worth</th>
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## Project at a Glance

### BEP

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<td>Total BEP (% of Installed Capacity)</td>
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### IRR, PAYBACK and FACR

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<td>Payback Period of the Project is (In Years)</td>
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<tr>
<td>Fixed Assets Coverage Ratio (No. of times)</td>
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</table>
1. What is Double Wall Corrugated Pipes Manufacturing industry?

2. How has the Double Wall Corrugated Pipes Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Double Wall Corrugated Pipes Manufacturing Plant?

4. What are the requirements of Working Capital for setting up Double Wall Corrugated Pipes Manufacturing plant?
5. What is the structure of the Double Wall Corrugated Pipes Manufacturing Business and who are the key/major players?

6. What is the total project cost for setting up Double Wall Corrugated Pipes Manufacturing Business?

7. What are the operating costs for setting up Double Wall Corrugated Pipes Manufacturing plant?

8. What are the machinery and equipment requirements for setting up Double Wall Corrugated Pipes Manufacturing plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Double Wall Corrugated Pipes Manufacturing plant?

10. What are the requirements of raw material for setting up Double Wall Corrugated Pipes Manufacturing plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Double Wall Corrugated Pipes Manufacturing Business?

12. What is the Manufacturing Process of Double Wall Corrugated Pipes?
13. What is the total size of land required for setting up Double Wall Corrugated Pipes Manufacturing plant?

14. What will be the income and expenditures for Double Wall Corrugated Pipes Manufacturing Business?

15. What are the Projected Balance Sheets of Double Wall Corrugated Pipes Manufacturing plant?

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19. What are Statistics of Import & Export for Double Wall Corrugated Pipes?

20. What is the time required to break-even of Double Wall Corrugated Pipes Manufacturing Business?

21. What is the Break-Even Analysis of Double Wall Corrugated Pipes Manufacturing plant?

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23. What are the Profitability Ratios of Double Wall Corrugated Pipes Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of Double Wall Corrugated Pipes Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Double Wall Corrugated Pipes Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Double Wall Corrugated Pipes Manufacturing project?
27. What are the Market Opportunities for setting up Double Wall Corrugated Pipes Manufacturing plant?

28. What is the Market Study and Assessment for setting up Double Wall Corrugated Pipes Manufacturing Business?

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  1.1.3. Topography
  1.1.4. Map
  1.1.5. Administrative set up
  1.1.6. Industry at a Glance
  1.1.7. Medium Scale Enterprises
  1.1.8. Service Enterprises
  1.1.9. Potential for new MSMEs

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   8.4. TOTAL ASSETS
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   8.6.2. Name of Director(S)
   8.6.3. Plant Capacity
   8.6.4. Location of Plant
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   8.7.2. Cash Flow
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   8.7.4. Forex Transaction
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   8.7.6. Growth in Income & Expenditure
8.7.7. Income & Expenditure
8.7.8. Liabilities
8.7.9. Liquidity Ratios
8.7.10. Profitability Ratio
8.7.11. Profits
8.7.12. Return Ratios
8.7.13. Structure of Assets & Liabilities (%)
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11. **MANUFACTURING PROCESS**

12. **MACHINERY DETAILS**
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13. **PROCESS FLOW DIAGRAM**
14. QUALITY CONTROL
   14.1. BS EN 13476-1:2007
   14.2. N-12 STANDARD

15. FACTORY LAYOUT AND INSTALLATIONS

16. SUPPLIERS OF PLANT & MACHINERY
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17. SUPPLIERS OF RAW MATERIAL

18. MACHINERY, RAW MATERIAL & PRODUCT PHOTOGRAPHS
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   18.3. PRODUCT PHOTOGRAPHS

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- Factory Land & Building
- Site Development Expenses

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- Net Profit After Taxes
- Net Cash Accruals
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- Semi-Variable/Semi-Fixed Expenses
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- B.E.P
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- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP

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• Annexure 34 :: Tax on Profits
• Annexure 35 :: Projected Pay-Back Period and IRR
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.

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• 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.
The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Double Wall Corrugated HDPE Pipes.” provides an insight into Double Wall Corrugated HDPE Pipes market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Double Wall Corrugated HDPE Pipes project. The report assesses the market sizing and growth of the Indian Double Wall Corrugated HDPE Pipes 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:
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 Double Wall Corrugated HDPE Pipes sector in India along with its business prospects. Through this report we have identified Double Wall Corrugated HDPE Pipes project as a lucrative investment avenue.
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Double Wall Corrugated HDPE Pipes Manufacturing Industry.

Production of DWC Pipe for Drainage and Fiber Electric Cable Network

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- Good Present/Future Demand
- Export-Import Market Potential
- 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.

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- *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*
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- *We use authentic & reliable sources to ensure business precision*
Our Approach

- Requirement collection
- Thorough analysis of the project
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- Market potential survey/research
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