

FIBRO PLASTICHEM

Complete Composite Solutions

PF FIBROPLASTICHEM
INDIA PRIVATE LIMITED

An ISO 9001 – 2015 Certified Organisation
ISO 45001 : 2018 HSE Certified



A BRIEF COMPANY HISTORY

50 YEARS

PROVIDING COMPLETE
COMPOSITE SOLUTIONS

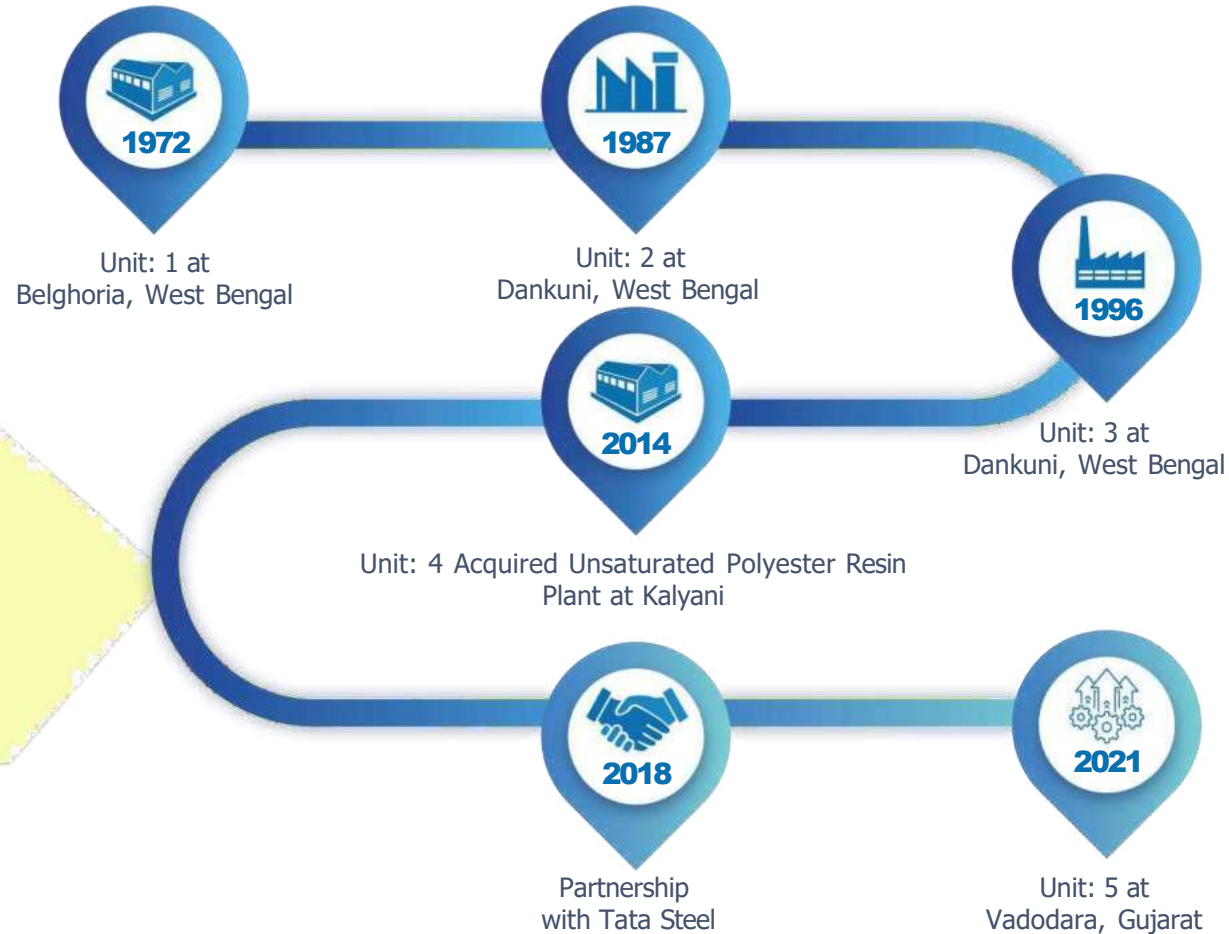
 **FIBROPLASTICHEM**
INDIA PRIVATE LIMITED
An ISO 9001 – 2008 Certified Organisation



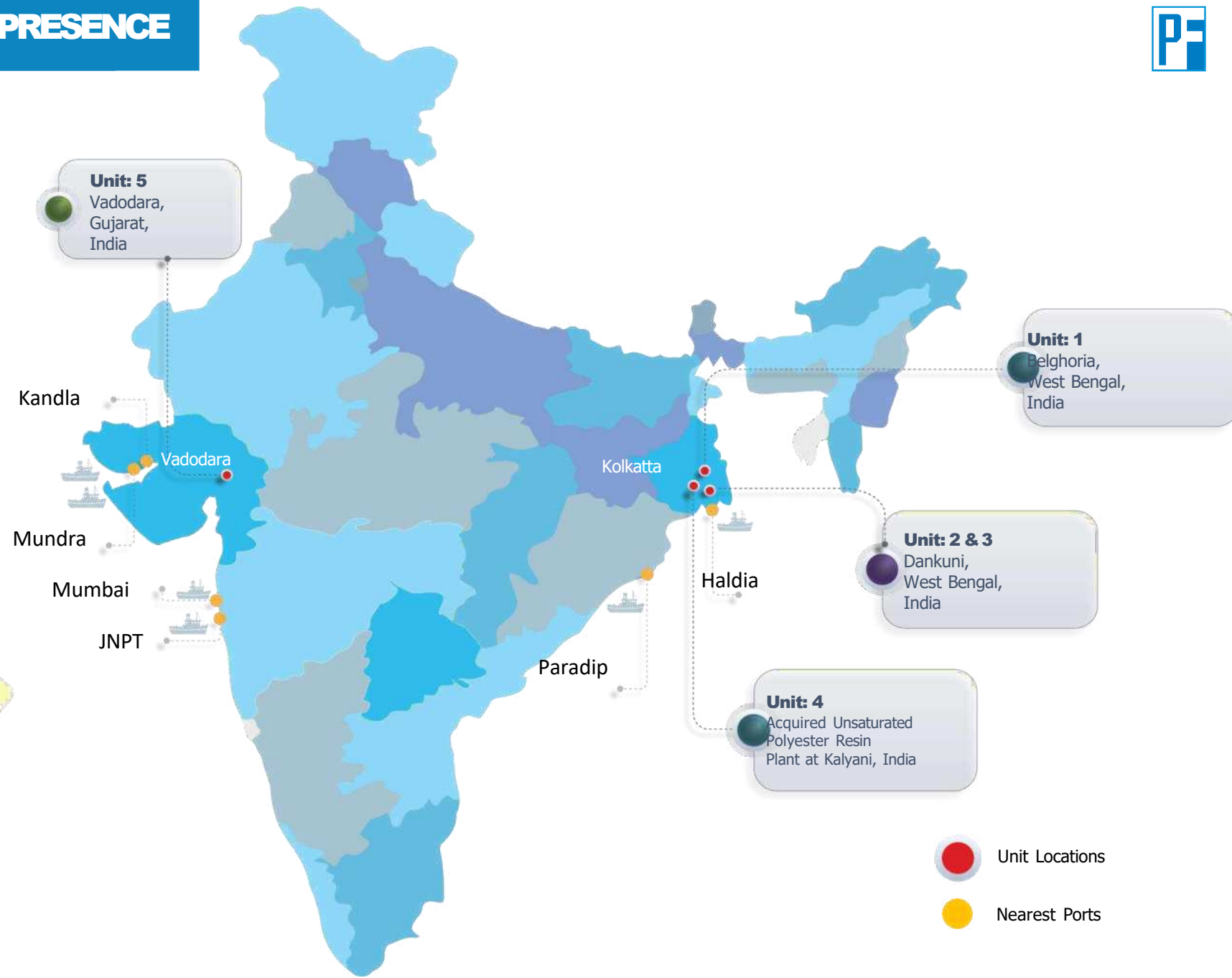
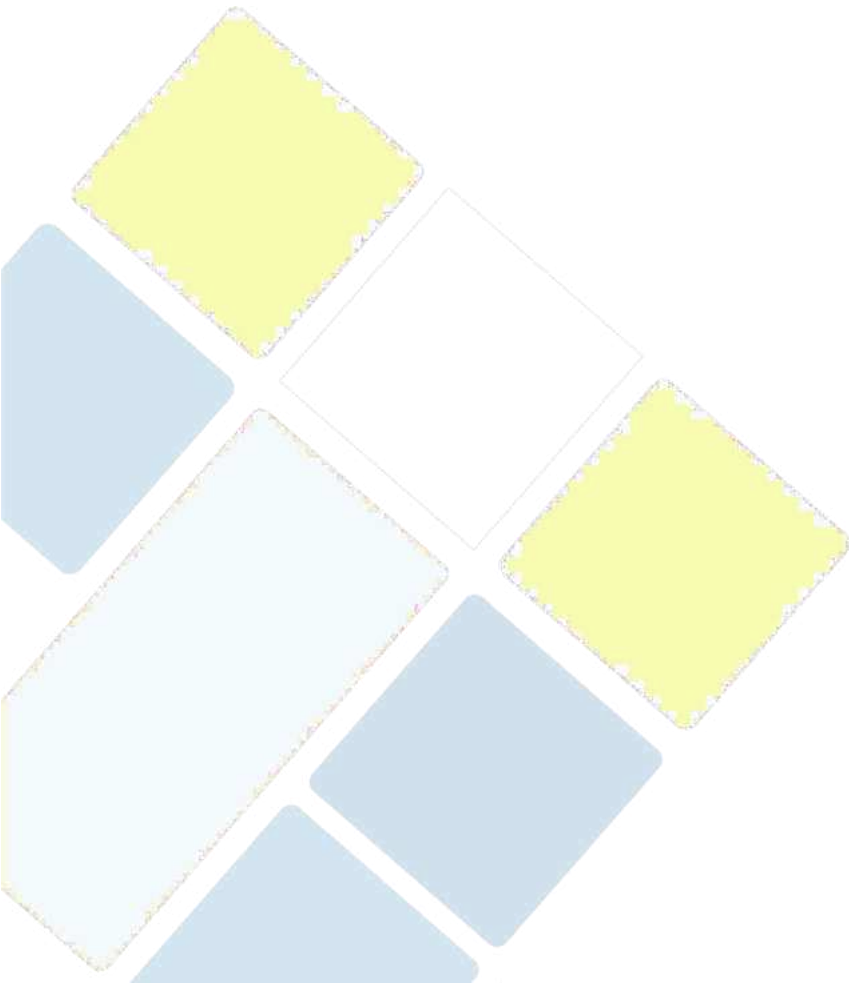
TIMELINE



Established in 1972 by late Mr. Supriya Datta who initiated an innovative pursuit to work in the field of composites, thus making us one of the oldest FRP unit of India. The unit was setup for the design, engineering, manufacturing, fabrication, erection & commissioning of chemical process equipment. With time the product basket expanded to other verticals.



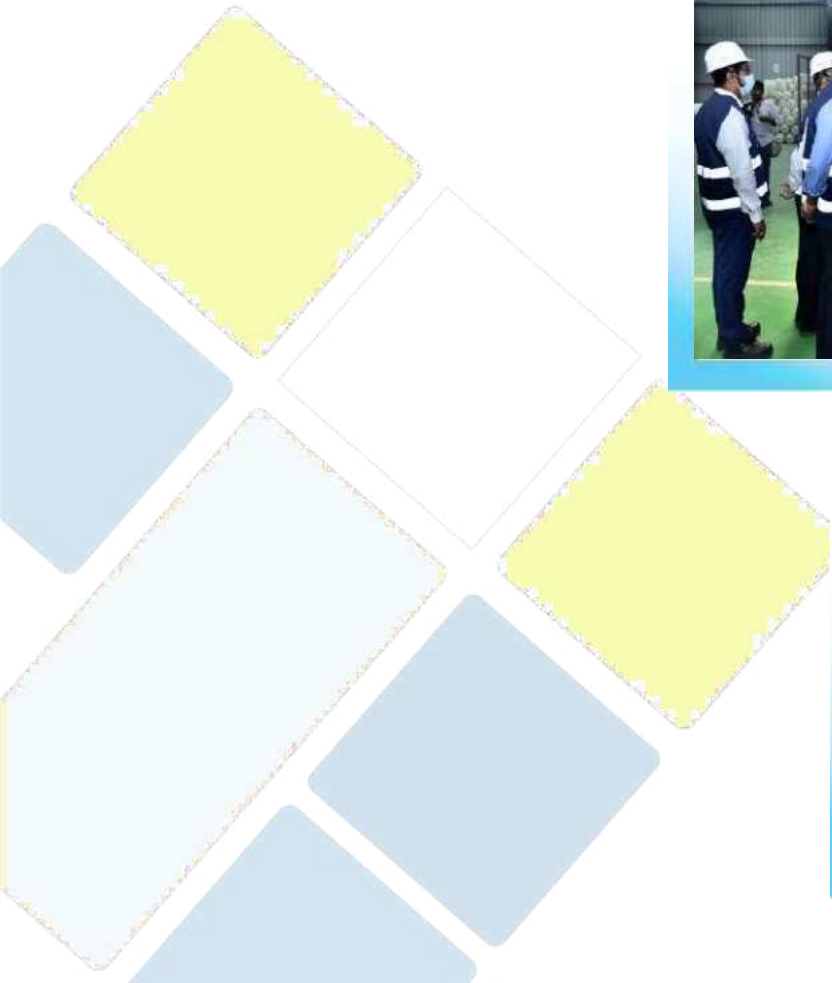
INDIA PRESENCE



PARTNERSHIP WITH TATA STEEL



Our Partner Tata Steel Ltd with whom we are working since 2018 in the Composite Market.





The Economic Times
Polymers Award 2021
Excellence in Open
Infrastructure



9th Annual Excellence
Award for Micro, Small &
Medium Enterprises
Organized by
The Bengal Chamber of
Commerce & Industry &
Bharatiya Vidya Bhawan
Institute of Management
Science



Thanks for Bringing to Life
The Kasargod COVID-19
Isolation Facility



National Award Winner for
Quality Product
Manufacturing in the year
1987 by Government of
India



ASPIRATIONS

To attain Leadership in Global Composite Platform through continuous New Product Development, Improved Material Science and Environment Friendly Solutions Partnering with Leading Research & Technical Institution of India.

ASSOCIATIONS



Indian Institute of
Technology Kharagpur



Indian Institute of
Technology Bombay



Jadavpur University



National Institute
of Research
on Jute & Allied
Fibre Technology



Indian Jute Industries'
Research Association



Bengal Engineering and
Science University



CERTIFICATIONS

ISO 9001 : 2015
ISO 45001 : 2018
NSF Certification for Composite Pressure Vessel



DESIGN STANDARDS

Tank

BS 4994 1987, BSEN 13121 2016, ASME RTP-1.

Pipe

AWWA M45, DIN STANDARD, AWWA C950,
IS 14402, IS 12709, ASTM D2996, ASTM D3517,
ASTM D3754, ASTM D2323-72, ASTM D4161,
BS 7159-89

Vessel

ASME SECTION 10

Pole

BS 5649-7-1985, AASHTO LTS 6

Handrail

OSHA 1910 23

Cable Tray

NEMA FG1 1993

Ladder

OSHA 1910.23

Pultruded Profile

CTI 137

Gratings

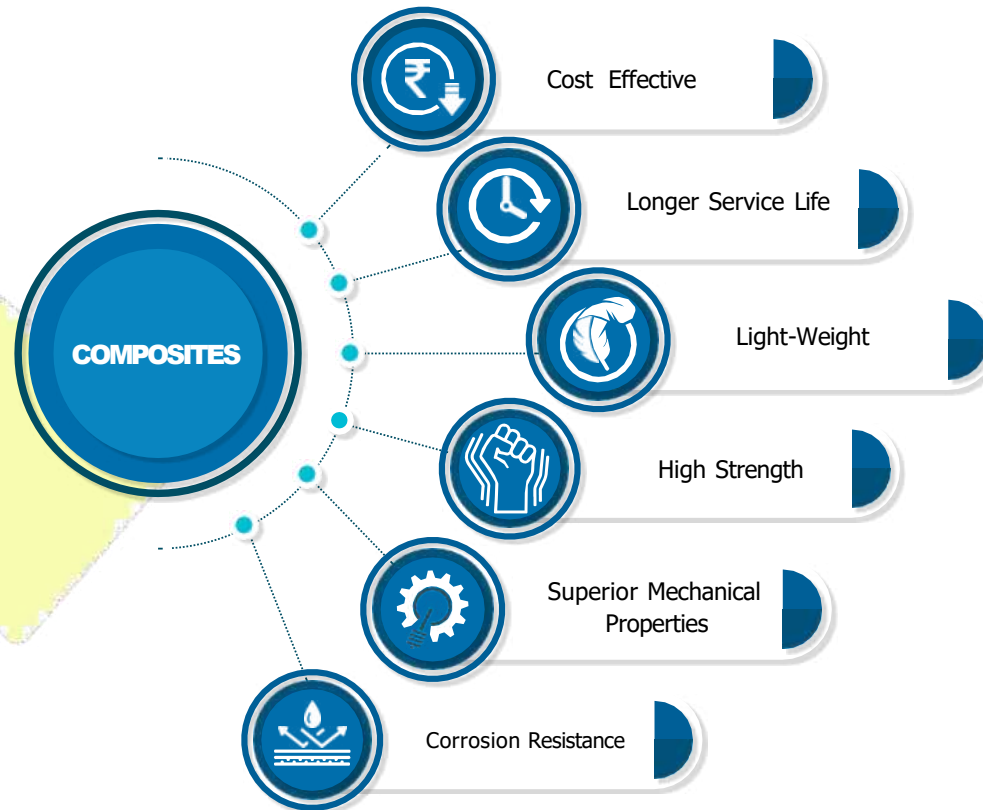
ACMA/FGMC-FG01

- Universal Testing Machine
- Barcol Hardness Testing Machine
- Izod Impact Testing Machine
- Muffle furnace
- Resistant to Spread of flame Tester
- Limiting Oxygen Index Tester
- Deterioration of Visibility Due to Smoke Tester
- Toxicity Tester (After Painting)
- Shore – A Hardness Tester
- Gloss Meter 45/60 Deg
- DFT Meter
- Smoke Density
- Heat Release Rate
- Brookfield Viscometer
- Long Term Chemical Resistant Test of GRP Pipe
- Long Term Ring Bending Strain of GRP Pipe
- Long Term Hydro Static Design Basis Test of GRP Pipe



Composite products made of Fiber Reinforced Polymer (FRP) are poised as the modern-day material and the world is slowly shifting towards it, keeping in mind the various benefits it provides.

FPC has foreseen the advantages of FRP and took initiative 50 years ago to leverage its unique attributes in various Industries, Water Treatment Plants, Railways, Infrastructure Facilities etc. Our products are tailored to suit various application needs.



FIRST COMPANY IN INDIA TO DEVELOP



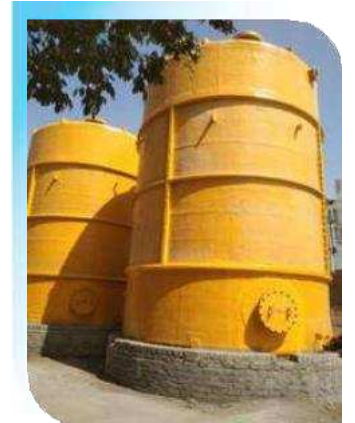
FIRST TIME PRODUCTS IN COMPOSITE DEVELOPED BY FIBRO PLASTICHEM IN INDIA

SUBMARINE BATTERY BOX

CHEMICAL PANEL TANKS

GRP STREET POLES

GRP ACID TANKER





CHEMICAL INDUSTRY



WATER SEGMENT



INFRASTRUCTURE



CHEMICAL INDUSTRY

- FRP Tanks
- FRP Pipes
- FRP Slurry Transportation Pipe (SiC Pipe)
- FRP Chemical Equipment (scrubbers, Conveyor hoods, drip pots, acid strainers, air receivers etc.)



FRP Tanks

FPC offers a wide ranges of FRP tanks and chemical equipment for process industries. These include FRP acid storage tanks, stacks and hoods. With optimum choice of resins, FRP walls of tanks and chemical equipment have anti-ageing, seepage proof and heat insulation properties. The tanks are used to handle acids, alkalis and other corrosive liquids.

INDUSTRIES USING FRP TANKS

- Chemicals
- Paper and textile sectors
- Food & beverages
- Steel

Product range

0.5m – 6.5m dia
Upto 15m height

Capacity

10, 50, 100, 200 KL
tanks manufactured
and supplied by FPC

Chemical mediums

Water, Acid, Alkalis,
Salts, Organic solvents,
Brines, Oils, slurries etc



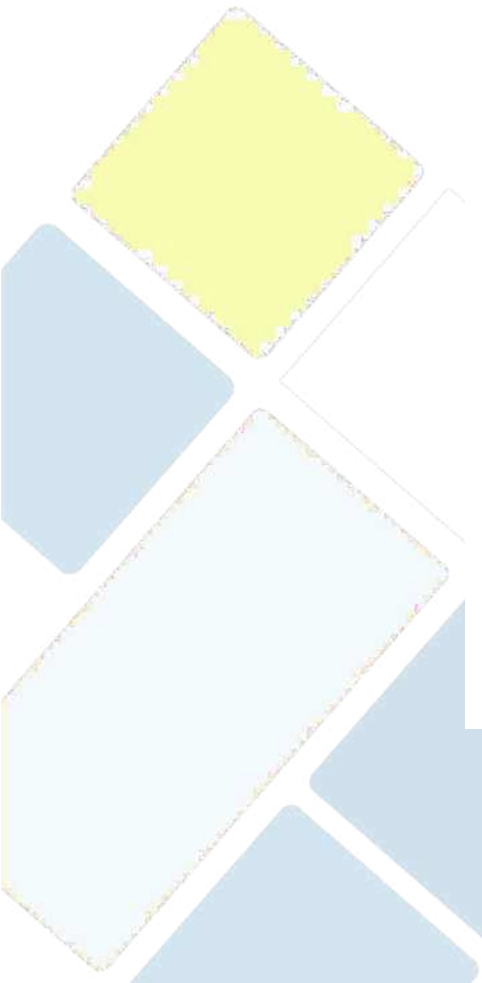
SULPHURIC ACID STORAGE TANK - BANGLADESH



TATA STEEL, INDIA



GUJARAT ALKALI, INDIA





TATA STEEL

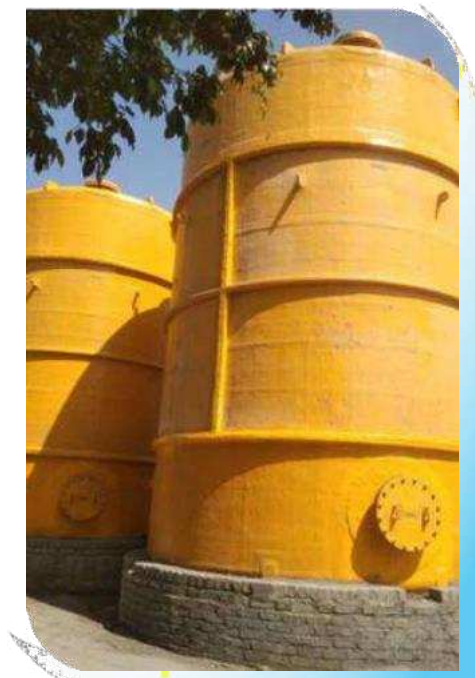


NAINI PAPER

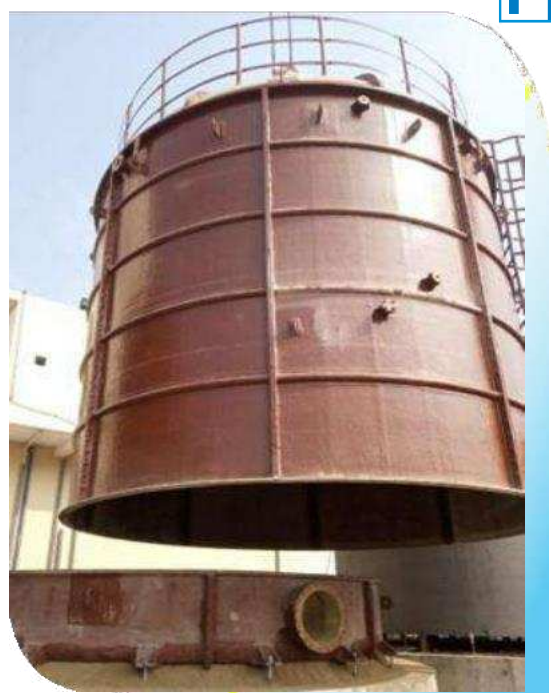




TATA STEEL LTD INDIA, 220 KL TANK



GRASIM LTD 100 KL TANK



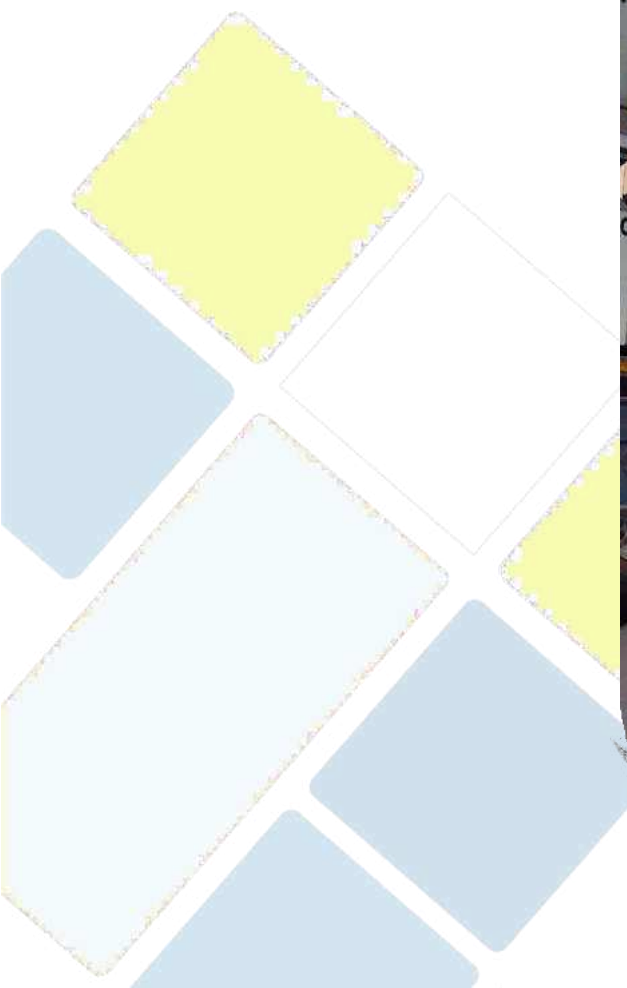
MEGHNA INDUSTRIES, BANGLADESH



NAINI PAPER

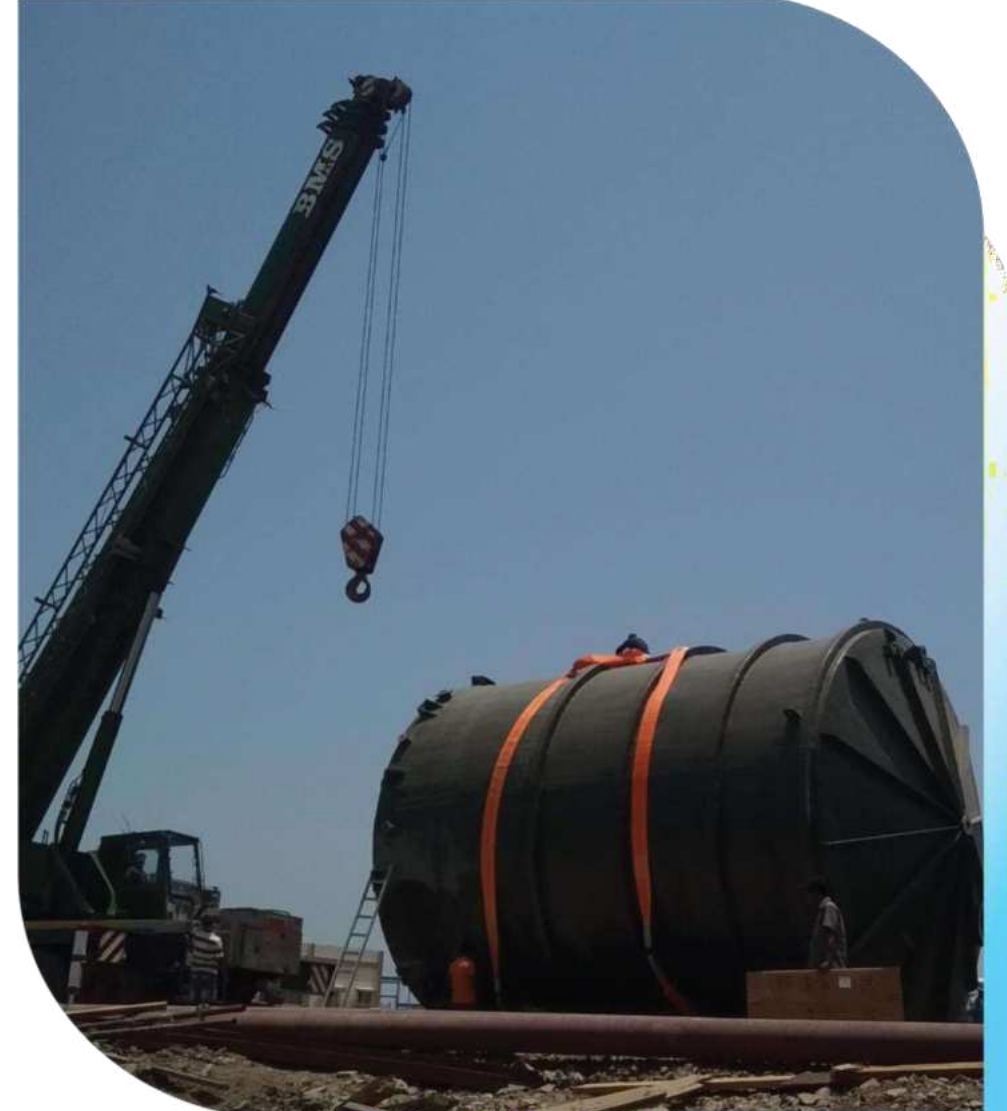


BANGLADESH





ASM CHEMICALS, BANGLADESH



GUJARAT ALKALI, INDIA

FRP Pipes

FPC introduced FRP Pipes which are known for their easy installation, long life and providing environment friendly solutions. These pipes are manufactured through the state-of-the-art filament winding process. The product ranges from 50 mm to 1000 mm diameter. Pipes for both underground and over-ground applications. We manufacture Silicon Carbide pipes for Slurry applications.

Advantages

- Corrosion resistant when subjected to water/chemicals
- Long-term investment.
- Being lightweight, it is easier and cheaper to transport and install.
- Pipes can be manufactured in longer lengths (up to 12m), minimising the number of joints.
- Mechanical properties can be tailored to suit application requirements

NTPC, SILICON CARBIDE PIPES & FITTINGS



GRP PIPING PRODUCTS OFFERED FOR FGD





FRP FITTINGS FOR FGD



GRP CONDENSATE COLLECTION SYSTEM FOR FGD CHIMNEYS

TOP OF THE LINE CLIENTS: PIPE & TANKS



- SR CHEMICAL INDUSTRIES LTD, BANGLADESH
- TASNIM CHEMICAL COMPLEX UNIT-2 LTD (MEGHNA GROUP OF INDUSTRIES), BANGLADESH
- ASM CHEMICAL INDUSTRIES LTD, BANGLADESH
- COCA-COLA INTERNATIONAL BEVERAGES PVT LTD, BANGLADESH
- THAI ORGANIC, THAILAND
- OMAN CHLORINE S.A.O.G
- THAI ORGANIC CHEMICAL LTD
- SABAH FOREST INDUSTRIES SDN BHD MALAYSIA
- BHUSHAN POWER & STEEL
- CESC LIMITED
- GUJARAT ALKALIES AND CHEMICALS LTD
- GRASIM
- JK PAPER
- KUANTUM PAPER LTD
- L&T
- NAINI PAPER
- ORIENT PAPER MILLS
- SHREE RENUKA SUGARS LIMITED
- TATA CHEMICALS
- TATA STEEL LTD
- TATA POWER
- TATA TINPLATE
- VA TECH WABAG





WATER SEGMENT

- FRP Pressure Vessel
- FRP Pipe
- FRP Pressure Tank

PRESSURE VESSELS

FRP Pressure Vessels was designed as a solution to water filtration under industrial sector where there is sustained high growth. This growth is driven by scarcity of potable drinking water in India.

FRP PV are a replacement to the conventional cylindrical/ rectangular tanks & the advantages are as below:

- Easier to Install due to light weight.
- Corrosion resistance
- Higher service life in various segments- from water treatment and filtration to chemical and process industries.

Sectors using PV:

- Power sector
- Water filtration sector
- Pharmaceutical industry
- Large govt. projects



PRESSURE VESSELS



TOP OF THE LINE CLIENTS – WATER SEGMENT



- MADAR WATER, JORDON
- NUPTSE TRADING, NEPAL
- WATERTECH INDUSTRIES, NEPAL
- OMAN WATER TREATMENT CO. S.A.O.C., OMAN
- EXPERT AQUATECH
- TATASTEEL LTD
- THERMAX LTD
- UNILEVER
- ZEOLITE
- VA TECH WABAG
- EUREKA FORBES
- WIPRO WATER



INFRASTRUCTURE

- FRP Poles
- FRP Foot Over Bridges and Foot Bridges
- Smart Architecture (fencing, bus shelters, benches, gazebos)
- Modular toilets
- Security Cabins/ Telephone booths
- Isolation cabins
- Gratings, Cable trays, Conveyor guards Other FRP Moulded & pultruded items

GRATINGS, CABLE TRAY & PULTRUDED PRODUCTS

FRP gratings, Cable tray and other moulded products offer corrosion free and light weight solutions to industrial applications. They have been extensively replacing steel in various industries. Some of they key features include:

- Flexible manufacturing process
- Can be produced in any size, any geometry and in all possible colors
- UV-resistant properties to ensure longer life in exteriors

FPC can manufacture state of the art moulded products to suit industrial, urban and marine applications.



MOVABLE BARRIER



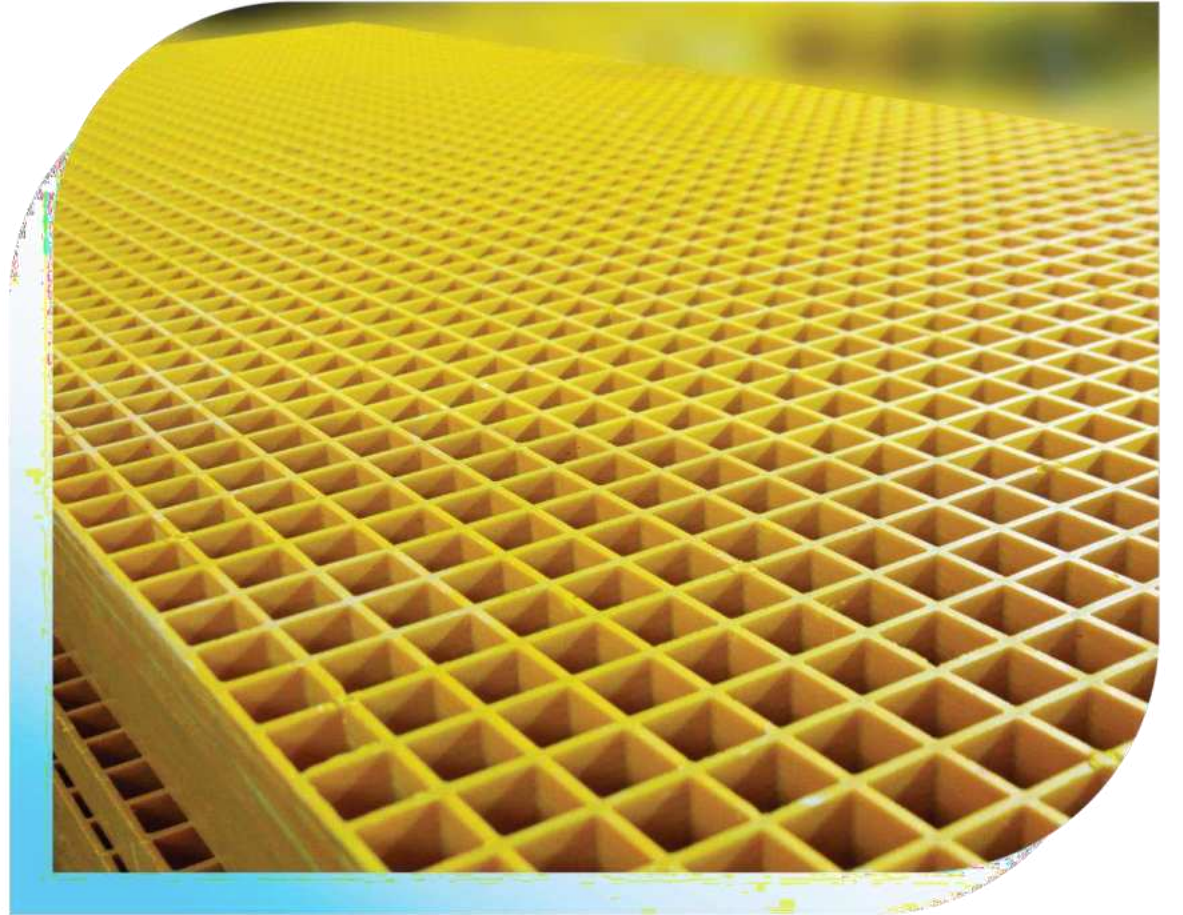
SAFETY ITEMS FOR TATA STEEL



FIXED BARRICADE



ANDAMAN COAST



GRATING

SECURITY CABINS & MODULAR TOILETS

We have introduced Fibre Reinforced Polymer (FRP) Modular Toilets, SHE Toilets in line with Government's agenda for *Swachh Bharat* and Security Cabins. These toilets and cabins are known for their aesthetic appearance, easy installation and long life. Our offerings are available in customised options (along with a wide range of design and colors) and thus has become the preferred choice for customers.

Unique offerings:

- Water connection or concealed overhead storage tank as per requirement
- Electrical connections included
- Choice of two types of trash disposal: Waste disposal kit or bio-degradable toilets
- Customised sanitary fittings
- Flexibility of design and color to suit the surrounding theme
- Available in single/multiple units with a common washroom





SHE TOILET



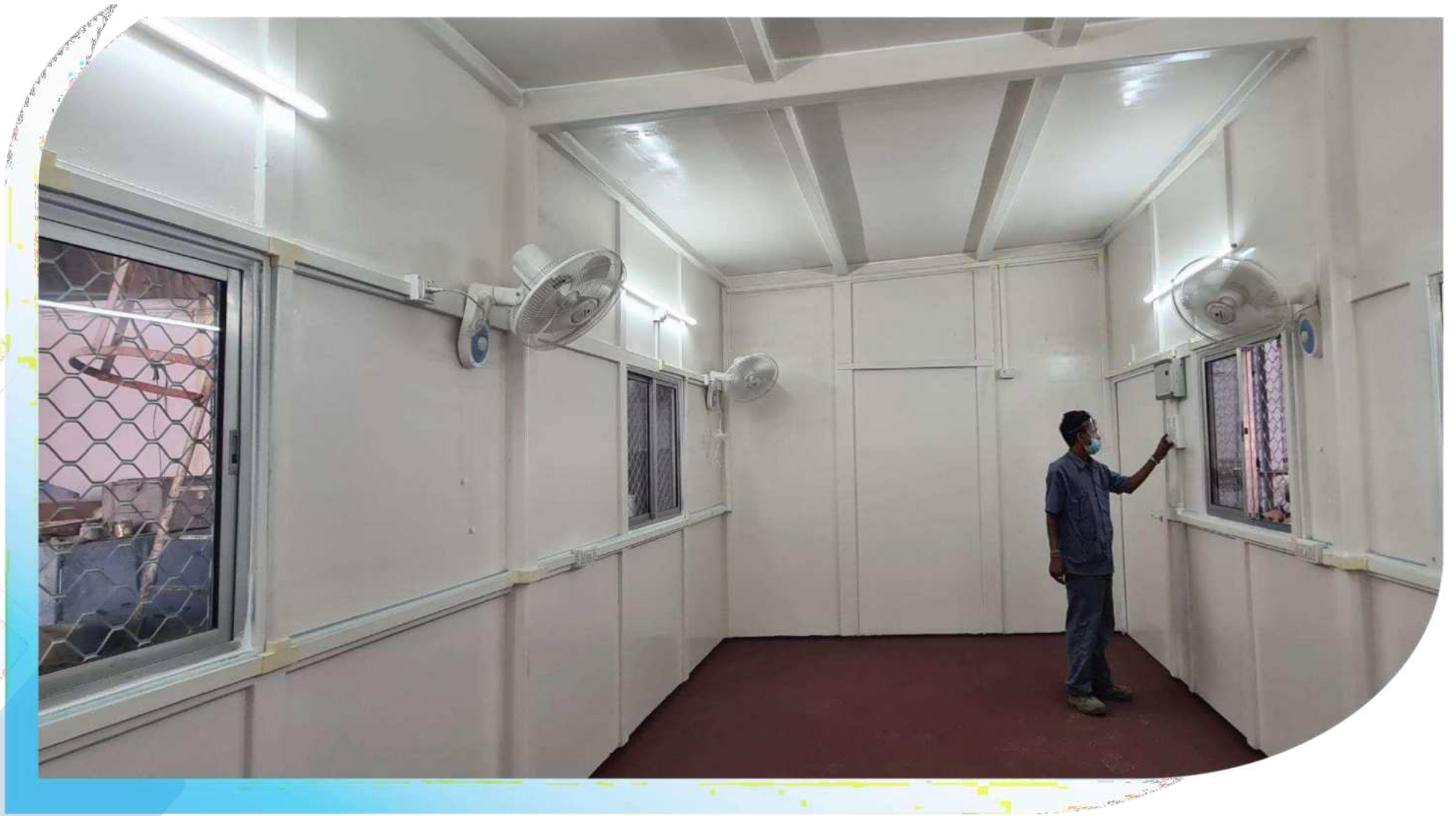
MODULAR TOILET

SECURITY CABIN





QUARANTINE CENTER KASARAGOD, KERALA, INDIA



QUARANTINE CENTER KASARAGOD, KERALA, INDIA

FRP POLES

The need for introducing safe, aesthetically pleasing and robust solutions for the lighting industry has inspired FPC to introduce Fibre Reinforced Polymer (FRP) poles that have become the preferred choice for many industries and end users.

USP:

- FRP poles are known for their aesthetic appearance, easy installation and long life.
- They provide outstanding hold and styling durability with excellent corrosion resistance.
- FRP poles come in precision designed finish to provide for stable sliding support as they can handle wind speeds of up to 200km/h making them suitable for withstanding cyclones or storms.
- We offer poles in the range of 3m to 12m.

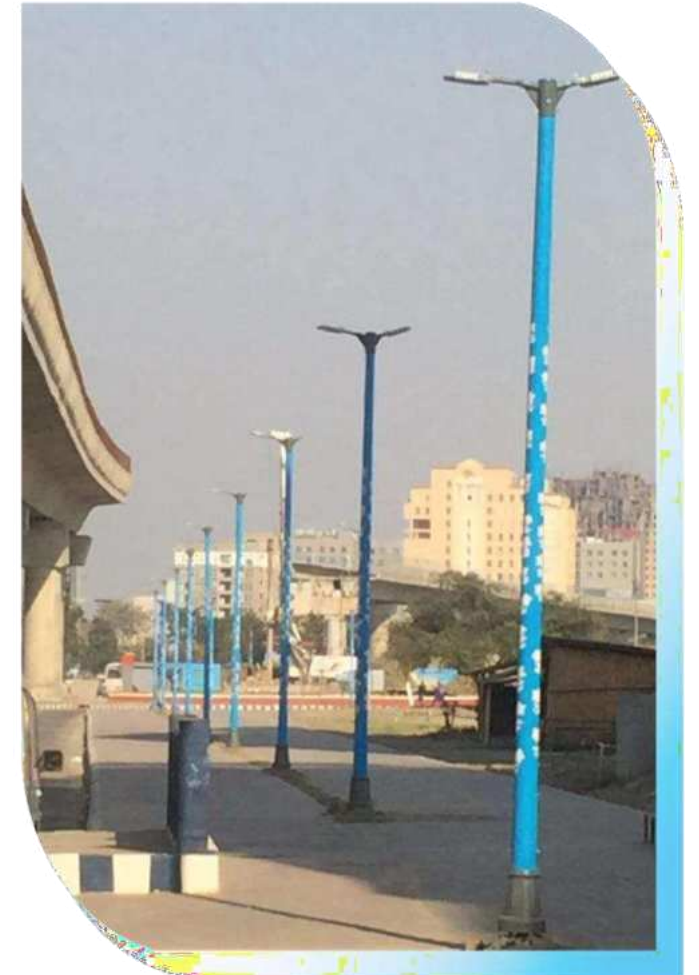




TATA STEEL



KOLKATA, WEST BENGAL, INDIA



BHUWANESHWAR, ODISHA, INDIA



TATA STEEL



FRP Bridge

The FRP footbridges can have a decorative design pattern and can combine functionality with style to complement the course's landscape, and blend in with the natural surroundings. We offer Foot over bridges with a maximum span of 7.5m

Advantages:

- FRP bridges are corrosion resistant, maintenance free and no need to paint periodically. Life span of the bridge is more than 50 years.
- Low civil and structural construction cost due to light weight of the bridge.
- Cost and time of erection is low due to light weight of the bridge
- No electrical or gas cutting hazard due to no welding and gas cutting at site.

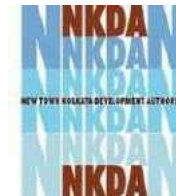


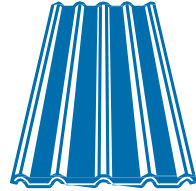
JUBILEE PARK, JAMSHEDPUR, INDIA

CLIENTS OF INFRASTRUCTURE VERTICAL



- Lighting Solutions, Oman
- AMPM Trading Co, Nepal
- Nova Poles, Canada
- Valmont
- Bajaj Electricals
- BHEL
- Digha Sankarpur Development Authority
- Haldia Development Authority
- New Town Kolkata Development Authority West Bengal
- Va Tech Wabag
- Tata Steel Ltd

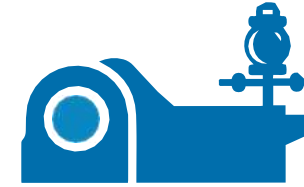




COMPOSITE SHEET (PLAIN & CORRUGATED) FOR DOMESTIC AS WELL AS INDUSTRIAL USE



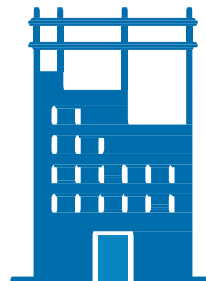
COMPOSITE DOOR FOR DOMESTIC HOUSING



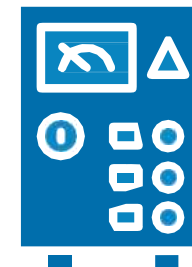
FRP PRESSURE TUBES FOR REVERSE OSMOSIS PLANTS



MANUFACTURING PREFAB HOUSING, MODULAR TOILETS FOR DOMESTIC AS WELL AS INDUSTRIAL USE



FRP REBAR FOR CONSTRUCTION SECTOR



THERMOSETTING ELECTRICAL BOX

THANK YOU



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