

# JR FIBREGLASS INDUSTRIES PVT. LTD.



## FRP/GRP FABRICATION GAS SCRUBBING SYSTEMS



# COMPANY OVERVIEW – IN BUSINESS SINCE LAST 50 YEARS



• Corporate office	1/21, Rocky Ind. Estate, I. B. Patel Road, Goregaon (E), Mumbai – 400 063.
• Works	Plot No. 809, G.I.D.C., Sarigam, Bhilad, Tal. Umbergaon Dist. Valsad Gujarat- 396 155.
• Works area	130000 sq. feet
• Maximum Height	35'
• Work Force	Works – 175-200 Nos.  Office – 40 (designers, engineers draftsman, administrative, finance & accounts)

## MANUFACTURING UNIT (OUTSIDE)



# MANUFACTURING UNIT (INSIDE)



# TESTING LABORATORY



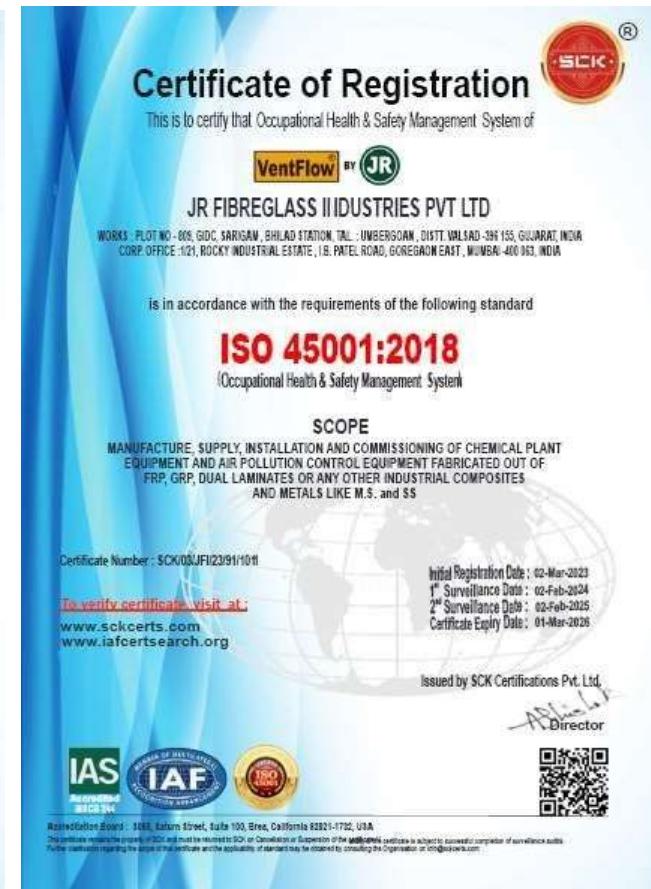
# QUALITY CONTROL – TPI AGENCIES



SR NO	NAME
1	TUV NORD
2	BUEREAU VERITAS
3	UHDE INDIA PVT. LTD.
4	JORD INDIA
5	TATA PROJECTS
6	SGS INDIA
7	ELECTROMECH ENGINEERING



# ISO CERTIFICATIONS





# CE CERTIFICATION for FRP CENTRIFUGAL FAN

## ONLY INDIAN COMPANY WITH CE CERTIFICATION

**TÜV INDIA**  
TÜV NORD Group

### Statement of Confirmation

No.: 2324- 8120483604-001  
Client's reference - Technical file number : Q/CF/BD/CD/CE-2023 Rev 00

Name & address of the manufacturer : M/S. JR Fibreglass Industries Pvt. Ltd.  
Plot No 809, GIDC Sarigam, Bhilad  
District – Valsad Gujarat-396155

Product nomenclature : Centrifugal Blower  
Models : Coupled Driven 1 hp ~75 hp  
Belt Driven 1 hp ~75 hp  
Specification : 415V, 50 Hz, 3 Phase + E

**Review results/observations**  
The Technical File referenced above submitted by the manufacturer has been reviewed for its document contents.  
The Technical File generally covers the documentation content requirements of the European Directive(s):

- Machinery Directive : 2006/42/EC

Harmonised standard/s referred : EN ISO 12100:2010

Other technical standard/s referred : EC Declaration of Conformity

Document issued by the manufacturer : EC Declaration of Conformity  
Date of review : 20 May 2023

Ajinkya Patil  
Manager - Product Certification

Jayprakash Hiremath  
Associate Vice President – Special Services

(This Statement of Confirmation is valid under the conditions stated overleaf)

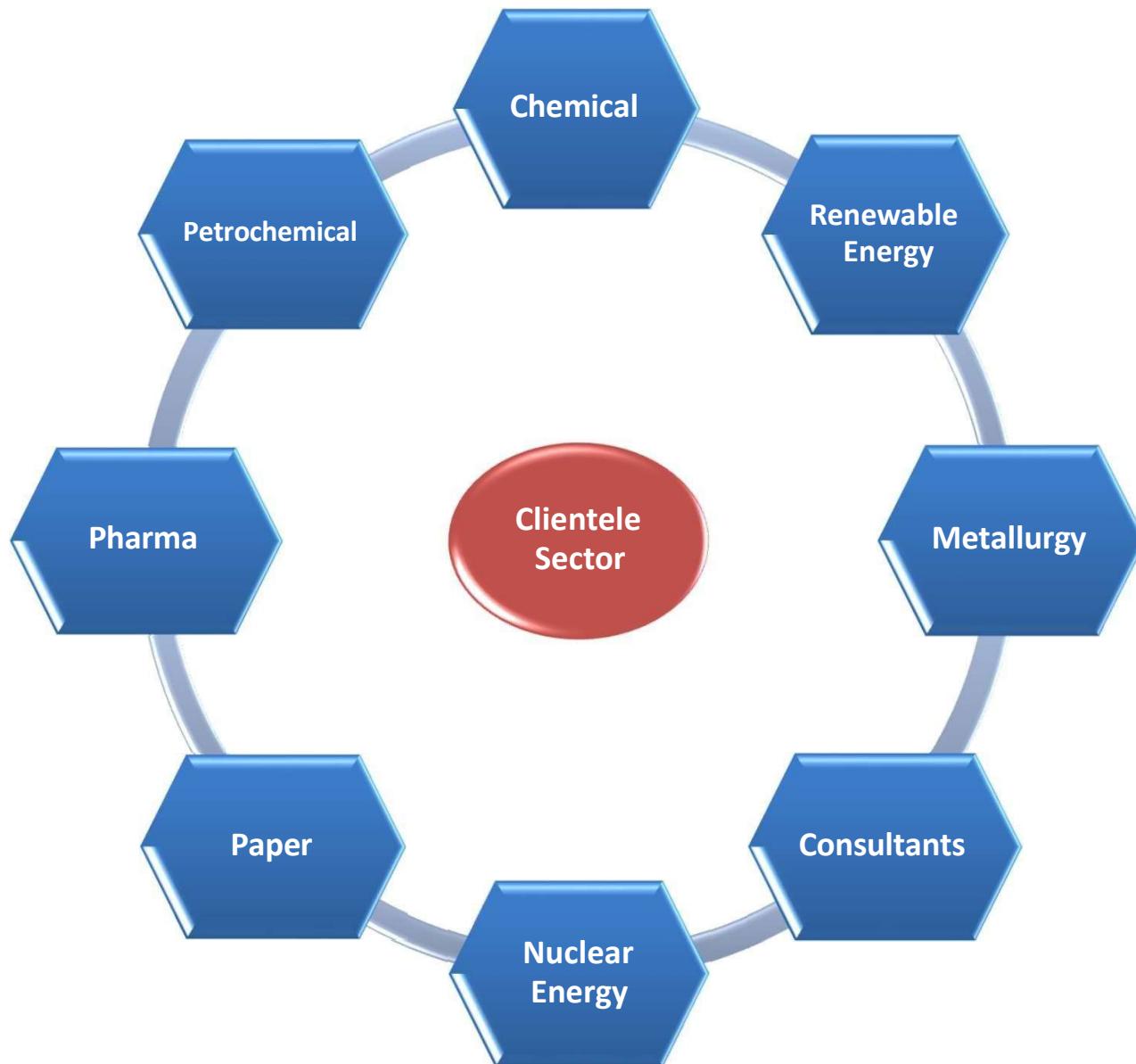
TUVINDI/PC/CE/11/00  
Issue no.4  
Registered & Head Office: 801, Raheja Plaza I, LBS Marg, Ghatkopar (W), Mumbai 400 086 | Email: infoindia@tuv-nord.com Tel: +91-22-66477000  
Website: www.tuv-nord.com/in Toll Free Number: 1800-209-0902

Job no: 8120483604

## GEOGRAPHICAL SPREAD OF CLIENTS



# CLIENTELE



## INTERNATIONAL PARTICIPATION



ACHEMA, FRANKFURT



METEC, DUSSELDORF



## CHEMTECH INDIA -EXHIBITION PARTICIPATION



# TOP MANAGEMENT TEAM

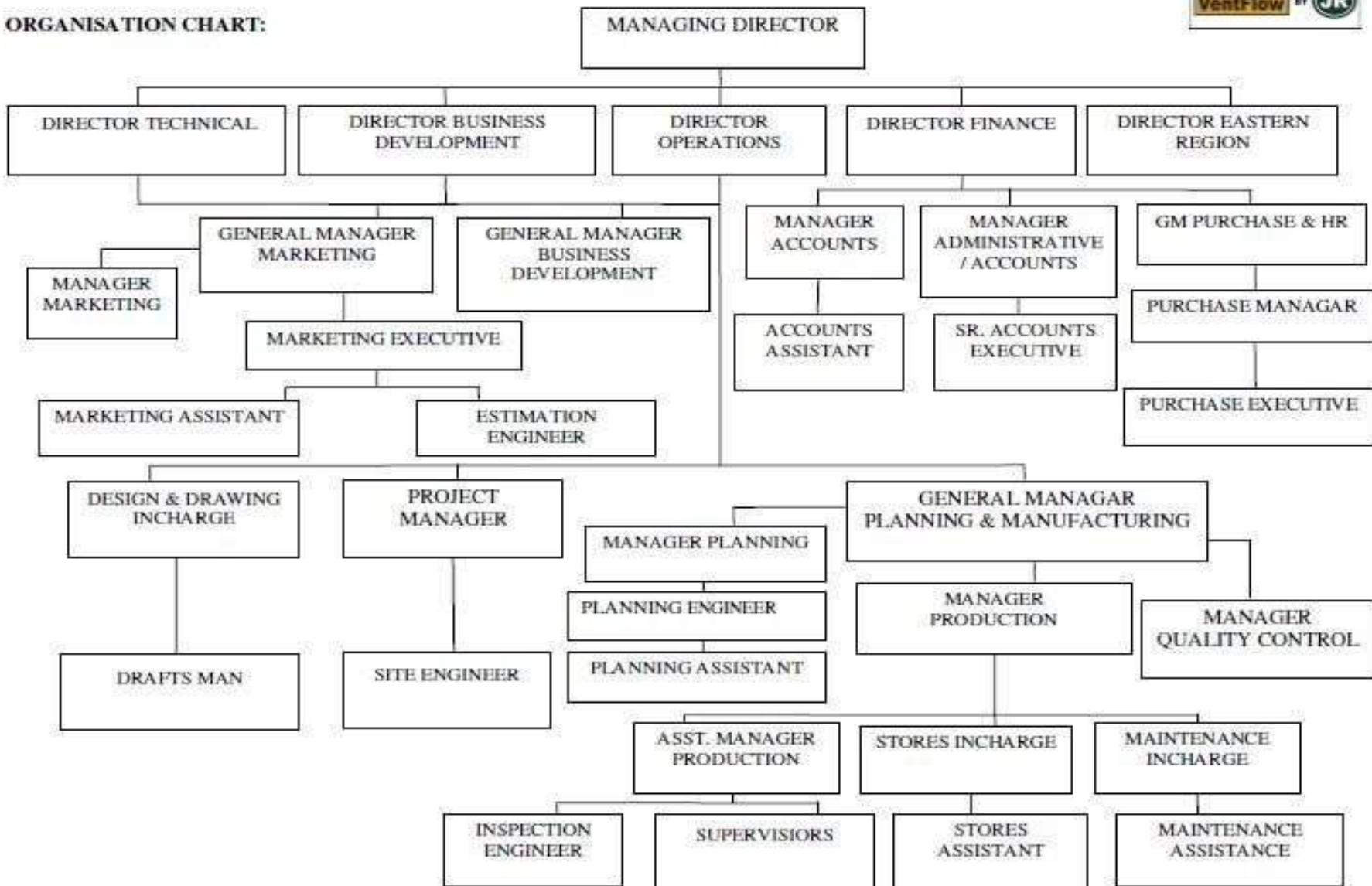


- **Jitendra Thakkar** - Mechanical Engineer from VJTI, one of the premier institutions in India. He is the promoter and founder of the company.
- **Dr Mandar Badve** - Chemical Engineer from ICT, one of the premier institutions for Chemical Engineering in Asia. He has extensive experience in designing & technical engineering.
- **Deven Gadhia** – A Mechanical Engineers from one of the premier institutions in India. He has over 40 years of experience in production & planning.
- **Samir Dutt** – Mechanical Engineer from Kolkata University. He is responsible for business development in Eastern India. He has 40 years of experience in technical marketing.
- **Chirag Thakkar** - Chemical Engineer from ICT, one of the premier institutions for Chemical Engineering in Asia. He has also done is Masters in Chemical Engineering from SUNY Buffalo , USA & has a management degree in Business Administration from SP Jain Institute, Mumbai. He is responsible for business development all over India & abroad. He has 15 years of experience.

# ORGANIZATION CHART



ORGANISATION CHART:



# PRODUCT RANGE

## JR FIBREGLASS



# MATERIAL OF CONSTRUCTION

- **FRP USING DIFFERENT GRADES OF RESIN**

- Polyester
- Vinyl Ester
- Bisphenol
- Super Vinyl Ester (Novolac Based)

RESINS CAN BE LOCAL OR IMPORTED (DERAKANE, SWANCOR etc.)

- **DUAL LAMINATES**

- PP+FRP
- PVC+FRP
- cPVC + FRP
- PVDF+FRP
- ECTFE+FRP
- FEP+FRP.
- PFA+FRP etc.



THERMOPLASTIC SHEETS CAN BE LOCAL OR IMPORTED (ROCHLING, SIMONA, AGRU etc.)

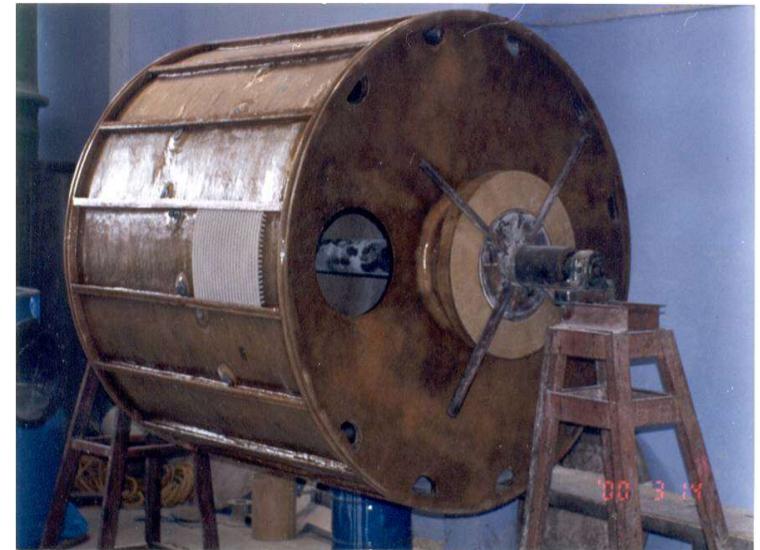
- **SPECIAL REINFORCEMENTS (for Special Applications)**

- Polyacrylonitrile Fleece
- Diolen Fabric
- Synthetic Veil

# PRODUCT RANGE – FRP/GRP FABRICATION



- Storage Tanks
- Scrubbers/Demisters
- Reaction Vessels
- Pipes & Pipe Fittings
- Ducts & Accessories
- Anticorrosive Linings
- Custom FRP Fabrication
- Centrifugal Fans



## SOLID PP TANKS



## HIGH TEMPERATURE FRP PIPE SPOOLS (DERAKANE 470.300)



## FRP EXHAUST DUCTS FOR CHEMICAL SERVICE



- Diameter = 5000 mm
- M.O.C = FRP with Derakane Resin

# FILAMENT WINDING MACHINE



- Diameter = 2000 mm
- Length = 10000 mm
- CNC Controlled



# PRODUCT RANGE – GAS SCRUBBING SYSTEMS

- Vertical Wet Scrubbers
- Horizontal Cross Flow Scrubbers
- Fume Extraction & Scrubber System
- Scrubber System for Chlorine Emergency Treatment
- Spray Column Scrubbers
- Venturi Scrubbers
- Centrifugal Fans & Blowers
- Demisters



# ONE OF ASIA'S BIGGEST CL<sub>2</sub> SCRUBBING SYSTEM FOR 1700 KGS/HR. OF CHLORINE GAS

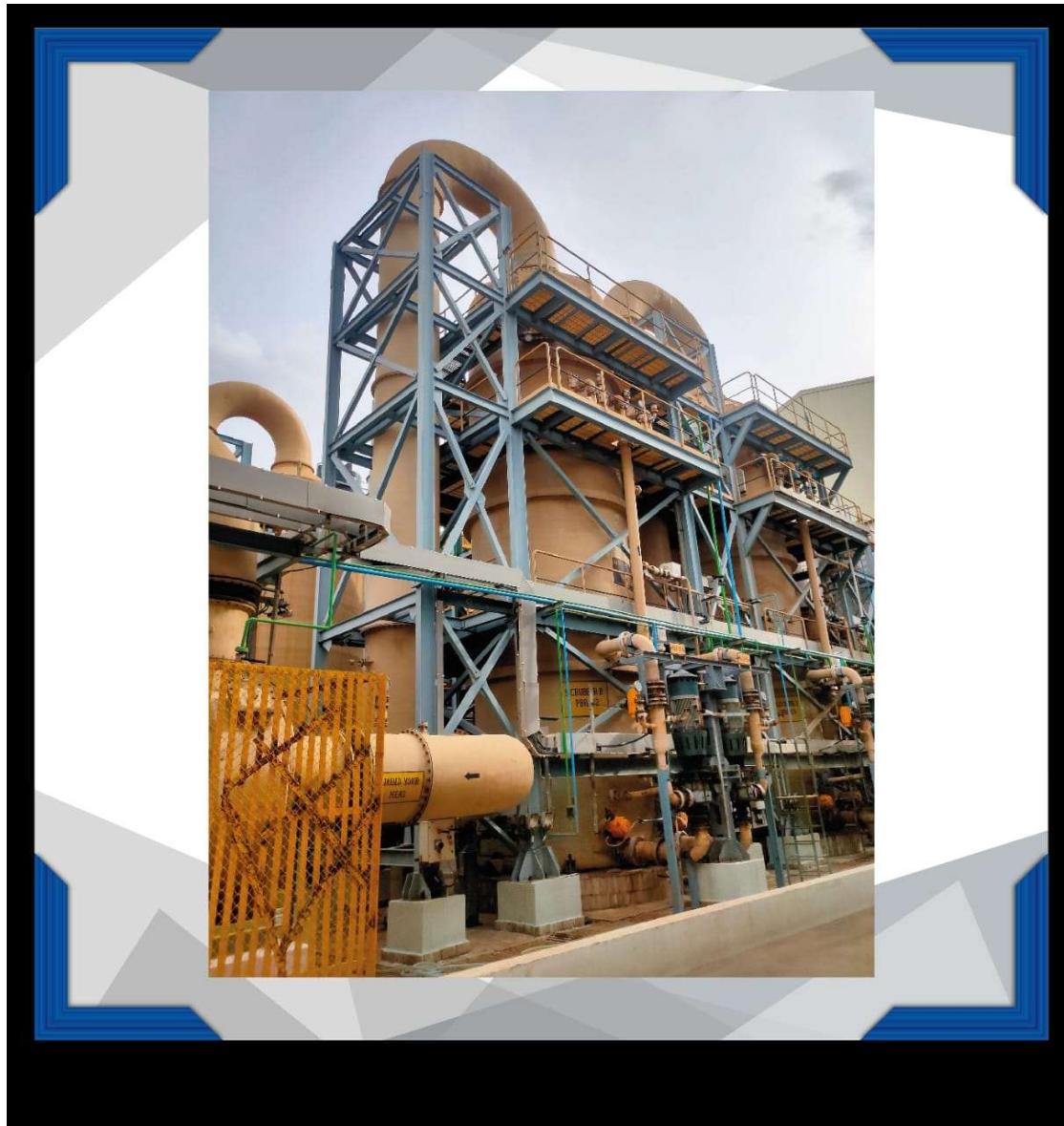


- Scrubber diameter 1400 mm x 14000 mm height
- Client: NCPL (GNFC) - Bharuch

# ONE OF WORLD'S BIGGEST CL2 SCRUBBING SYSTEM FOR 9500 KGS/HR. CHLORINE GAS – GNFC BHARUCH



# PACKED COLUMN SCR– FIRE RETARDANT (36k CMH FOR SiCl4)- STERLITE



# ONE OF THE BIGGEST FRP SCRUBBER EVER MADE IN INDIA

## (Export to Iran)



- The biggest FRP scrubber for SO<sub>2</sub> gas
- M.O.C = FRP using Vinyl Ester Resin
- Diameter 6000 mm x Length 22 m
- Flow 325000 m<sup>3</sup>/hr

## VERTICAL WESP SCRUBBER



## HORIZONTAL SCRUBBER 80,000 m<sup>3</sup>/hr (H<sub>2</sub>SO<sub>4</sub>)



# GAS SCRUBBER – RELIANCE INDUSTRIES (SOLAR)



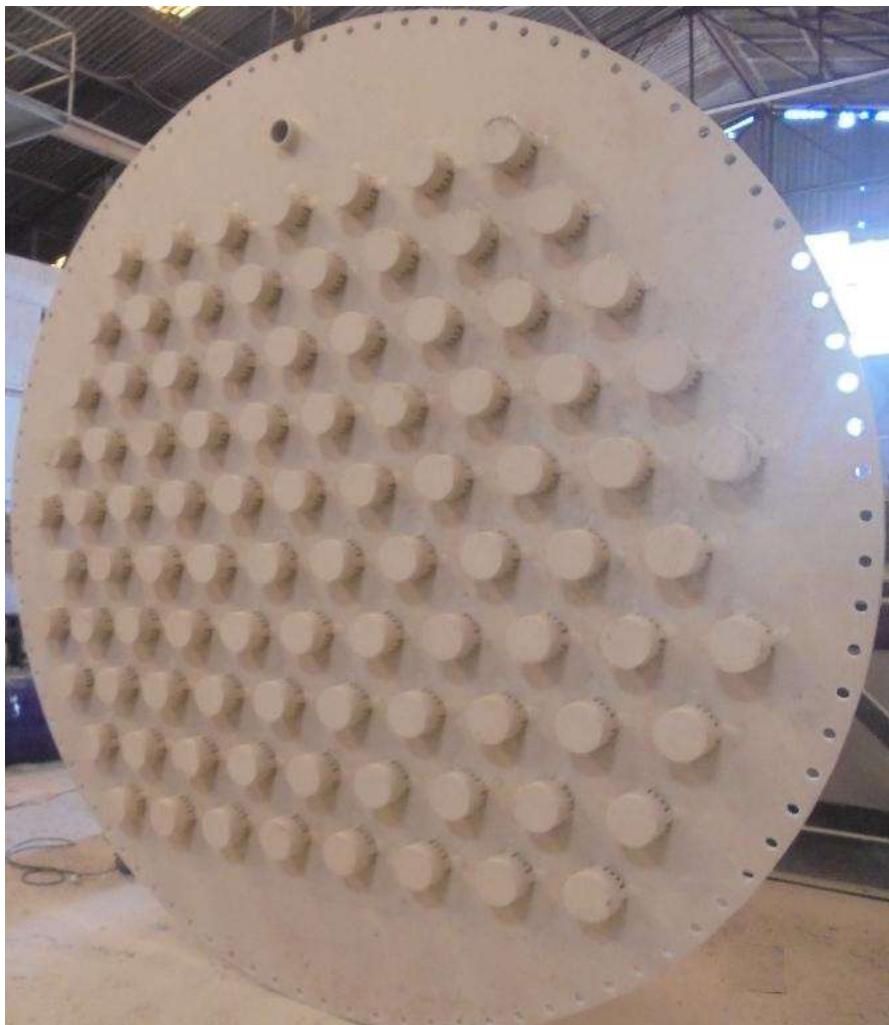
## SCRUBBER INTERNALS – PACKINGS



## SCRUBBER INTERNALS – LIQUID DISTRIBUTOR (LADDER TYPE)



## SCRUBBER INTERNALS – BUBBLE CAP TRAY



## Venturi Scrubbers



## High Pressure FRP Fans (800 mmWC Static Pressure)



## FRP FANS WITH FRP DUCTS



36" X 36"

## FRP Fans 90000 m<sup>3</sup>/hr & Ducting for Indian Rayon



## High Volume FRP Fans – 120,000 m<sup>3</sup>/hr @350 mmWC



- JR Fibreglass Industries Pvt. Ltd. has till date manufactured more than **3844** scrubbing systems for all kinds of gases & pollutants

## COMMONLY HANDLED POLLUTANTS INCLUDE

- HCl (Hydrogen Chloride)
- Cl<sub>2</sub> (Chlorine)
- H<sub>2</sub>SO<sub>4</sub> (Sulfuric Acid)
- SO<sub>2</sub> (Sulfur Dioxide)
- NH<sub>3</sub> (Ammonia)
- HBr (Hydrogen Bromide)
- HF (Hydrogen Fluoride)
- PCl<sub>3</sub> (Phosphorus Trichloride)
- Br<sub>2</sub> (Bromine)
- COCl<sub>2</sub> (Phosgene)
- Dilute NO<sub>x</sub> (Nitrogen Oxides)
- SOCl<sub>2</sub> (Thionyl Chloride)
- VOCs

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# QUESTIONS ?