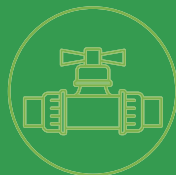
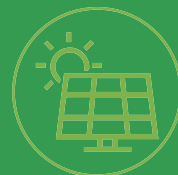


23<sup>rd</sup> Annual Report  
**2019-20**



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# Corporate Information

## BOARD OF DIRECTORS

**Ramesh D. Khichadia**

*Chairman and Managing Director*

**Ritesh Khichadia**

*Whole Time Director*

**Gopal D. Khichadia**

*Director*

**Kaushik Mori**

*Chief Financial Officer*

**Harshadray L. Patel**

*Independent Director*

**Prabhu Rabadia**

*Independent Director*

**Anjana P. Paghadar**

*Independent Director*

**Company Secretary & Compliance Officer**

Khyati S. Mehta

## AUDITORS

**SVK & ASSOCIATES**

*Chartered Accountants*

C-701/702 Titanium Square,

Thaltej Cross Roads, S. G. Road,

Ahmedabad - 380 054 (Gujarat - India)

Tel.: + 91 79 40 320 800

Mobile: +91 98252 45520

E-mail: svk@casvk.com, svkandassociates@gmail.com

## BANKERS

State Bank of India

Commercial Branch, Kalawad Road

Rajkot - 360 001 (Gujarat)

Axis Bank

Kalawad Road

Rajkot - 360 005 (Gujarat)

## REGISTERED OFFICE

UL25, Royal Complex Bhutkhana Chowk,

Dhebar Road, Rajkot - 360001

Email : account@captainpolyplast.in

Website: www.captainpolyplast.com

## PLANT AND CORPORATE OFFICE

Survey NO. 267, Plot No. 10-A, 10-B & 11,

N.H. 8-B, Shapar-Veraval, Rajkot - 360024 (Gujarat)

**Kurnool plant:** Survey No. 343/1A, Mandal:Kallur,

Village: Bastipadu, Bangalore Highway,

Kurnool - 518218, Andhra Pradesh

## BOOK CLOSURE

**Date:** 03/10/2020 to 09/10/2020

(both days inclusive)

## REGISTRARS AND TRANSFER AGENTS

Big share Services Pvt Ltd E/2-3, Ansa Industrial  
Estate Saki Vihar Road, Sakinaka

Andheri (East) Mumbai - 400072

Phone: 022 - 4043 0200, Fax: 022 - 2847 5207

Email: jibu@bigshareonline.com

## AUDIT COMMITTEE

Mr. Harshadray L. Patel - *Chairman*

Mr. Ramesh D. Khichadia - *Member*

Mrs. Anjana Paghadar - *Member*

## NOMINATIONS & REMUNERATION COMMITTEE

Mr. Prabhu Rabadia - *Chairman*

Mr. Harshadray L. Patel - *Member*

Mrs. Anjana Paghadar - *Member*

## 23<sup>rd</sup> Annual General Meeting

on 09<sup>th</sup> October, 2020 at 10.00 am through

Video Conferencing/other Audio-Visual means

## Water: A Scarce Resource!



*There is a water crisis today. But the crisis is not about having too little water to satisfy our needs. It is a crisis of managing water so badly that billions of people-and the environment-suffer badly.*

*World Water Vision Report*

Water scarcity is projected to worsen considerably in the coming decades due to several drivers related to demography, food security policies, overall socio-economic development and climate change. It is no secret that India is facing a severe water shortage crisis. Our rivers are drying up and our groundwater is depleting at an alarming pace, even as the population continues to boom. India supports about 1/6th of the world population, though it comprises of only 1/50th of the world's land and 1/25th of the world's water resources.

Coupled with the dependence on nature and the shortfall thereof, the consumption is high. India uses 2-4 times more water to produce a unit of major food

crop than China and Brazil do. India's agriculture is still hostage to the vagaries of nature, with majority of the sector dependent on rainfall. So when rain fails for two consecutive years, it is a full blown crisis for the country's farmers. It also perpetually remains under various threats such as groundwater depletion, salinization, droughts, unusual or sudden heavy rains, and the inability to access water reserves.

Agricultural water demand (irrigation) amounts to almost 80% of the total fresh water demand in the country. Now is the time to transform our agriculture by adopting micro-irrigation practices which are far more efficient in saving water whilst delivering better crop yields.



## Why Micro Irrigation?

Micro irrigation is the frequent application of small quantities of water directly above and below the soil surface to plant root zone; usually as discrete drops, continuous drops or tiny streams through emitters placed along a water delivery line. It includes drip and sprinkler irrigation which is a proven technology and has gained immense popularity amongst the farmers in India. Traditional irrigation systems such flood irrigation, apply large quantities of water in a short time and create extreme saturation conditions in the soil. This results in bad aeration and creates stressful conditions for the plants roots that need a balance between water and air. Excessive water also leaches beneficial plant nutrients below the active root zone resulting in less nutrients for crops and ground water contamination. Micro irrigation helps irrigate with optimal quantities and timing according to soil type and crop needs, so the air-water ratio in the soil is best and nutrients are kept where they are needed.

Adoption of micro irrigation systems (MIS) has helped farmers experience efficiency in deployment of inputs such as water, electricity, fertilizers and labour. It has also assisted tremendously in increasing the crop productivity and offering better quality of produce, leading to higher realization of sale price, which in turn results in increased income of farmer and prosperity. With this technology, additional area can be irrigated with the same amount of water compared

to conventional method of irrigation. In addition, water deficient, cultivable waste land and undulating land areas can easily be brought under cultivation due to ease of irrigation. There is also a good scope for using it in closely spaced crops like rice, wheat, onion, potato etc. Benefits of this technology lead to control of ground and surface water pollution.

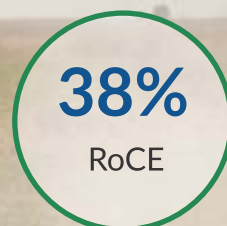
Micro irrigation most importantly helps conserve the environment. Not only does it use 60 percent less water – a precious limited resource on our planet today – but it also reduces greenhouse gas emissions through more precise use of fertilizers, which are pre-mixed in the water before irrigation. It also reduces nitrate leaching and heavy metal absorption in the soil.

MIS is one of the ways that the authorities have identified to meet their target of doubling the farmer's income by 2022. The government has identified various sources of income growth namely, improvement in crop productivity; improvement in livestock productivity; resource use efficiency or savings in the cost of production; increase in the cropping intensity; diversification towards high value crops; improvement in real prices received by farmers; and shift from farm to non-farm occupations. All these benefits form the core of micro irrigation. Being an agricultural country, India must implement micro-irrigation large-scale. The future of the nation depends on it.

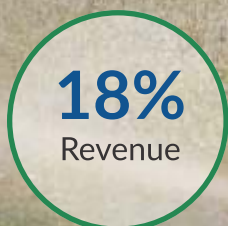




### FY20 Performance



### 3 Year CAGR



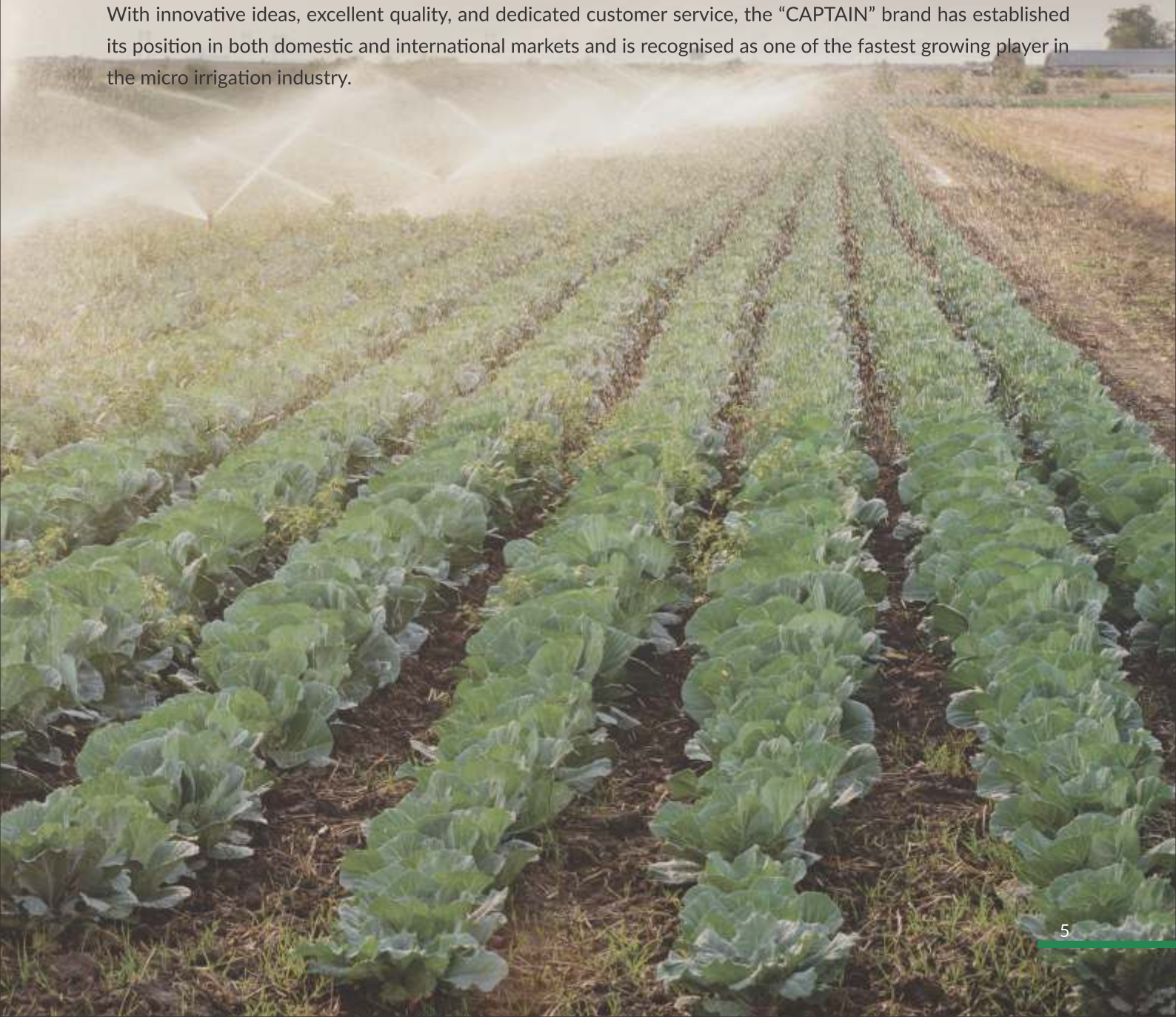


## About Captain Polyplast Limited

**Captain Polyplast Limited (CPL)** is a micro irrigation solutions company which was founded by Mr. Ramesh Khichadia, a qualified B. Tech in Agriculture Engineering from Gujarat Agriculture University with more than 30 years of experience in the Irrigation business. The company is into the business of manufacture and sale of quality Micro Irrigation Systems and Allied Products. Micro Irrigation systems, which include drip irrigation systems are produced from advanced German, US and Israeli machines. They have also added ancillary products like solar pumps, rooftop solar, water soluble fertilizer, etc. selling through existing distribution network. CPL is a channel partner of IOCL for marketing of their polymer products in Gujarat.

CPL has 18 sales offices and 11 depots catering to 750+ dealers concentrated in the Northern, Western and Southern parts of India. The company's products are exported to Gulf, African and Latin American countries. We have been able to garner a huge client base in the global market due to our quality range and ability to provide bulk requirements for our valued clients.

With innovative ideas, excellent quality, and dedicated customer service, the "CAPTAIN" brand has established its position in both domestic and international markets and is recognised as one of the fastest growing player in the micro irrigation industry.



## Our Product Range



### Drip Irrigation Systems

Drip irrigation is a form of micro irrigation that saves water and fertilizer by allowing water to trickle down drop by drop to the roots of the plants, either onto the soil surface or directly into the root zone. It is done in a regulated predetermined time according to the requirements of crops through a network of dripline, emitters, filters and valves. Therefore, it saves water and is suitable for horticulture, vegetables, oilseeds and ornamental plants.



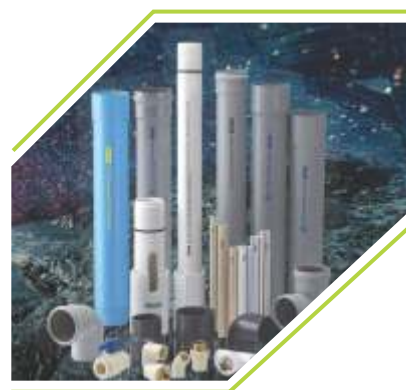
### Sprinkler Irrigation Systems

The company offers easy to install and maintain sprinkler & mini sprinkler systems of top quality which maximise the saving of water and enhances the crop productivity and yield. They are environmental friendly and are very durable with a long life span and have a low operating pressure which result in energy savings. Mini sprinklers have earned a reputation as the most reliable and durable sprinklers available with their outstanding distribution uniformity and large water passages.



### Pipes & Fittings

The company offers wide range of plastic pipes and fittings such as irrigation laterals, valves, filters, venturi injectors and compression fittings, of the best quality to be an end to end solution provider to the farmers.



### Greenhouse or Protected Cultivation

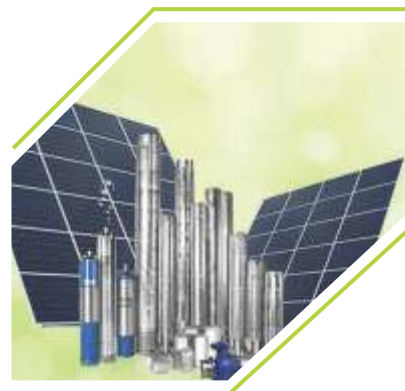
The company provides the best quality greenhouse structures which provide a controlled and favourable environment for the crop to grow and give high yields in every season. CPL has a dedicated team of engineers for complete execution of Greenhouse system right from design stage to complete implementation of the project.





### Solar Systems

In a bid to preserve non-renewable energy, the company offers a renewable energy solution in the form of solar systems which comprise of solar water pumps, fence energiser, water heater and street light system which helps in significant reduction of energy cost and provide electricity access in remote areas.



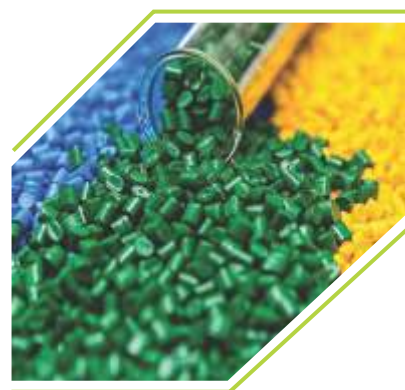
### Water Soluble Fertilizer

We have launched a wide range of water soluble fertilizers under “Jeevika” brand. These fertilizers can be applied directly through the drip irrigation system to the root zone of plants, thus improving its efficacy.



### IOCL Channel Partner

CPL was appointed as Del Credere Associate (DCA) and Consignment Stockiest (CS) of Indian Oil Corporation Ltd (IOCL) in 2017. The agreement entitles CPL to market the entire portfolio of IOCL's polymer products (raw material for plastic processors) in Gujarat.



# Captain's Commitment Towards The Environment

**Providing sustainable long term solutions towards the environment is not only a business at Captain Polyplast but a commitment towards the environment.**

## Water Conversation

Farmers around the country are under immense pressure due to depleting ground water sources. Captain Polyplast's Micro irrigation solutions helps farmers tackle these challenges by optimizing their water utilisation efficiently by around 60% and also delivering higher agricultural yields by controlling the soil moisture levels which aid in crop growth and also improve yields.

## Energy Saving

Micro irrigation solutions result in average energy savings of around 30% due to the lower requirement

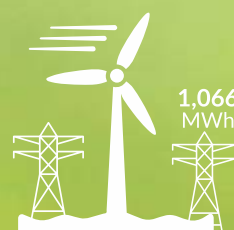
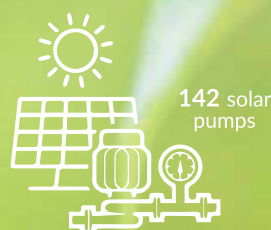
of water pumping. Captain Polyplast also offers solar solutions like solar water pumps and rooftop solar to complement its micro irrigation solutions to optimise and reduce the energy requirements and carbon footprint.

## Reduction in fertilizer usage

Excess fertilisers are not only harmful to human health but also reduce farm yields in the long run. Micro irrigation solutions also reduce the usage of fertilisers by almost 25% since fertigation and usage of water soluble fertilizers decrease unnecessary wastage. This way the nutrients are delivered with the irrigation water, directly to the active root zone of the plants. Captain Polyplast also offers water soluble fertilisers to its customers becoming an integrated solution provider.



In the financial year 2020, the company covered 39,600 hectares of land under micro irrigation, saving around 20 Billion Litres of water or an equivalent amount of water to fill 8,000 Olympic size swimming pools.



In the financial year 2020 the company installed 142 solar pumps and also generated 1,066 MWh of power through the company's captive wind turbines leading to significant decrease in dependence on fossil fuels and the conventional forms of energy.