

INGREDIENTS
FOR A

HAPPY LIFE

BLUECRAFT AGRO



WE ARE INDIA'S LEADING MANUFACTURER OF HIGH-QUALITY STARCH

We were established in 2016 under the leadership of a strong team of professionals with over 30 years of experience in the starch industry. We produce India's best lot of maize-based starch, modified starch and by-products derived from starch. Our starch is used in various industries, including paper, textile, pharmaceuticals, food, oil, and gas. For easy international exports and supply to a wide client base across India, we have strategically set up our plants in Haryana, Andhra Pradesh, and Telangana.

With a maize grinding capacity of 1250 tonnes per day, and a cohesive workforce of 1200+ people, we dynamically cater to the needs of several businesses. Our strong maize procurement system and supply chain management are unparalleled in the country.

We develop deep understanding of the clients' requirements and customise solutions accordingly. We believe in spreading happiness through our products.

OUR AMBITION



Bluecraft Agro has an ambitious vision; this has been carefully arrived at, as the founders have deep rooted technical understanding of starch manufacturing and have a granular grasp of the industry dynamics of a fast growing country like India.

VISION

To be the most trusted brand of value-added starch that brings happiness in the lives of its stakeholders.

MISSION

To create an ecosystem that produces specialised, high-quality starch by bringing together the best-in-class technology, processes and human capital.



OUR PHILOSOPHY

INGREDIENTS FOR A HAPPY LIFE



From the procurement of maize, our raw material, to the final production of specialty starch, we engage with and impact millions of lives in the process. We firmly believe that we are part of a bigger ecosystem, which comprises of farmers, workers, employees, customers, regulators, and community members, and it is our duty to spread happiness to all of them through our work and efforts.

We have set up world-class systems at all our units to ensure remarkable efficiency. We have built a robust team of experts in technical, marketing, sales, manufacturing, and quality domains, who are always prepared to address our clients' unique business needs. We are committed to delivering the ingredients for a happy life.

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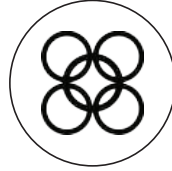
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HUMILITY

We seek feedback from stakeholders, continually imbibe knowledge and adopt best practices.



INTEGRITY

We believe in pursuing our goals with honesty and forthrightness.



ENTREPRENEURSHIP

We support and empower people to achieve desired results by providing an enabling environment and resources.



QUALITY

We adhere to stringent quality controls and strive to improve our product quality in line with technological progress and client requirements.



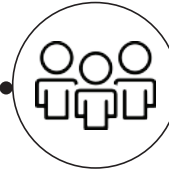
STAKEHOLDER FIRST

We believe that a company is part of a larger ecosystem and that sustainability of the ecosystem is paramount if the business has to grow in the long-term. Hence, we look at business from the prism of all the stakeholders: employee, farmer, customer, government and citizens.



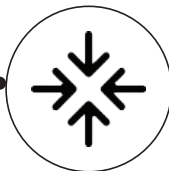
PEOPLE CENTRIC

We believe that people build organizations and they are at the center of the organization. Our policies are aimed at improving the well-being and productivity of our people.



FOCUS

We are incredibly focused on building the most trusted starch company in India.



OUR OPERATIONS



OUR OPERATIONS



The backbone of our business is a strong supply chain integrated with state of the art manufacturing facilities. We procure finest-quality maize from across the country. It is stored in our warehouses, from where it is distributed to different plants for starch production using Corn Wet Milling Process. The key products that are extracted from maize are native starch, fibre and germ. Starch is further processed chemically into specialty starch products, which are used as one of the ingredients in the pharmaceuticals, textile, food, oil & gas, and paper industries.

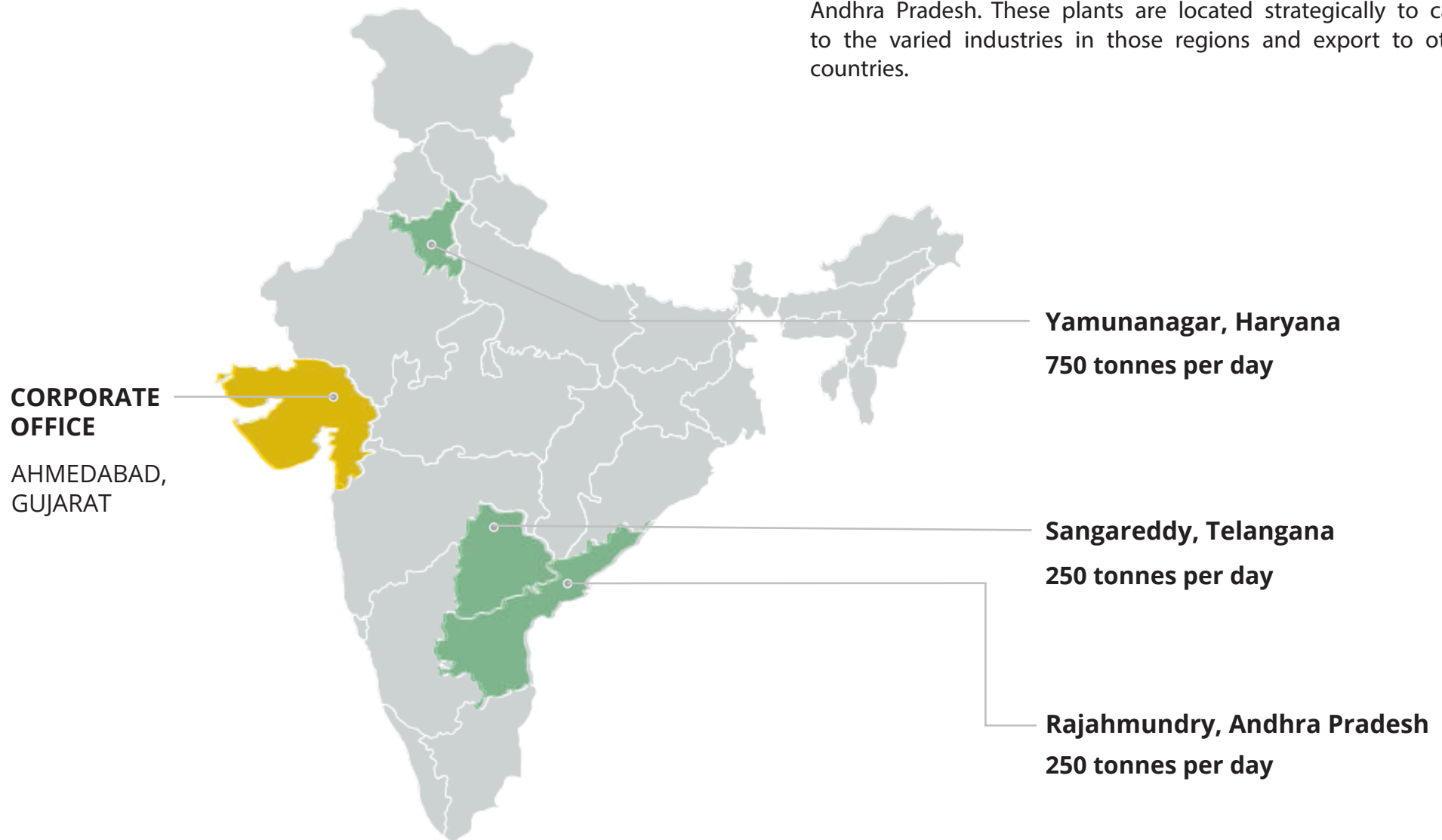
Our manufacturing setup entails protocols to standardise output across all units while continuously improving with each order. These are built on a strong foundation of transparent practices which elicit trust and harmony among all stakeholders.

Manufacturing is the nucleus that holds the entire business together for us. Our capabilities in innovation, delivery, networking, supply chain, procurement are closely held, yet nimble enough to cater our clients' dynamic requirements.

OUR UNITS



We have three manufacturing plants in India, one each at Yamunanagar, Haryana; Sangareddy, Telangana; Rajahmundry, Andhra Pradesh. These plants are located strategically to cater to the varied industries in those regions and export to other countries.



CORE COMPETENCY

PRODUCTS AS CUSTOMIZED SOLUTIONS

Product development competency that helps in solving client's business problems



Identify
business
problem



Develop
solution



Test in
collaboration
with client



Operationalize
the result



Deliver

OUR PRESENCE



TEXTILE

- Texoplast
- Carbojet
- Sizelon
- Texosize
- Texojet

- Amylojel SSG
- Maize Starch IP/BP
- Sorbitol
- Maltodextrin

PHARMACEUTICALS



PAPER

- Super Bond[™]
- Amylofloc[™]
- Fiberloc[™]
- Amylogum[™]
- Amyloplast[™]



OUR PRESENCE



FOOD

- Maize Starch
- Maltodextrin
- Sorbitol

- Carboxy Methyl Starch (CMS)
- High Temperature Drilling Starch
- Low Temperature Drilling Starch

OIL & GAS



MAIZE OIL CAKE MAIZE OIL



PHARMACEUTICALS STARCH



Bluecraft Agro has production capacity of 500 MT per month of pharmaceuticals grade starch. Pharmaceuticals grade starch is GMO free and microbiologically compliant. The starch has low moisture (less than 7%) and hence it meets all the required specifications pertaining to IP/BP and USP/NF. The company caters to all major pharmaceutical companies in India including Abbott Laboratories, Sun Pharmaceuticals, Sanofi India and Cadila Healthcare. Bluecraft Agro holds license for USP grade starch manufacturing at the Yamunanagar, Haryana based unit.

MAIZE STARCH IP/BP

Starch is very useful in tablet production due to its inertness, cost effectiveness and utilization as fillers, binders, disintegrants and glidants. Its low particle size ensures smooth tablet surface.

Starch can be used in both granulation formulation techniques. In dry granulation techniques where active ingredient is hygroscopic and is difficult to dry after wet binding, maize starch has proved to be an efficient dry binder. Since starch is partial cold water soluble, starch functions exceptionally well in tablet manufactured by wet granulation applications and performs dual functions of both a disintegrant and a binder. In capsule filling processes, starch functions as effective binder improving the uniformity of the capsule fill as well as forming a stable capsule plug.

Starch is used as an excipient in solid oral dosages.

Bluecraft Agro Maize Starch IP/BP is available as per Indian, British and United States pharmacopoeia standards.

The product complies with Indian Pharmacopoeia, Drug and Cosmetics Act 1940 and Rules 1945

Description	Very fine, white or slightly yellowish powder
Identification	<ul style="list-style-type: none">• Polyhedral granules of 2 to 23µm in size or rounded granules of 25 to 35 µm in diameter• Should comply by formation of thin and cloudy mucilage• Dark blue colour should be produced, which disappears on heating and reappears on cooling
Acidity	Not more than 2 ml of 0.1M NaOH is required
Iron	Not more than 40 ppm
Fluorescence	Absent
Oxidising Substances	No distinct brown or blue colour observed.
Sulphated Ash	Not more than 0.6%
Loss on Drying	Not more than 15%
Microbial Contamination	
Shigella	Absent/10g
E.coli	Absent/10g
Salmonella	Absent/10g

Packing : 50 kgs PP Bags with inner liner of LDPE

MAIZE STARCH IP

The product complies with British Pharmacopoeia, Drug and Cosmetics Act 1940 and Rules 1945

Description	White to slightly yellowish, free from foreign particles
Solubility	Practically insoluble in cold water and in ethanol (96%)
Identification	
a) Microscopy	Angular polyhedral granules of 2 to 23 µm in size or rounded or spheroidal granules of 25 to 35 µm in size
b) Physical Test	A thin and cloudy mucilage is produced
c) Colour Reaction	An orange red to dark blue colour is produced which disappears on heating
pH (5 gm in 25 ml of water)	Between 4.0 and 7.0
Foreign matter	Absent
Oxidising Substance	Not more than 20 ppm
Sulphur Dioxide	Not more than 50 ppm
Iron	Not more than 10 ppm
Loss on Drying (1 gm at 130°C for 90 min)	Not more than 15%
Sulphated Ash (Determined on 1 gm)	Not more than 0.6%
Microbial Contamination	
TAMC	Not more than 1000 cfu/g
TYMC	Not more than 100 cfu/g
E.coli	To be absent/g
Salmonella	To be absent/g

MAIZE STARCH BP

Packing : 50 kgs PP Bags with inner liner of LDPE

AMYLOJEL SSG

Sodium Starch Glycolate (SSG) is derived from potato. It is also known as Carboxymethyl Ether Sodium Salt. It is used as a pharmaceutical grade dissolution excipient for tablets and capsules. Sodium Starch Glycolate absorbs water rapidly, resulting in swelling which leads to rapid disintegration of tablets and granules. It is used as a disintegrant, a suspending agent and as a gelling agent.

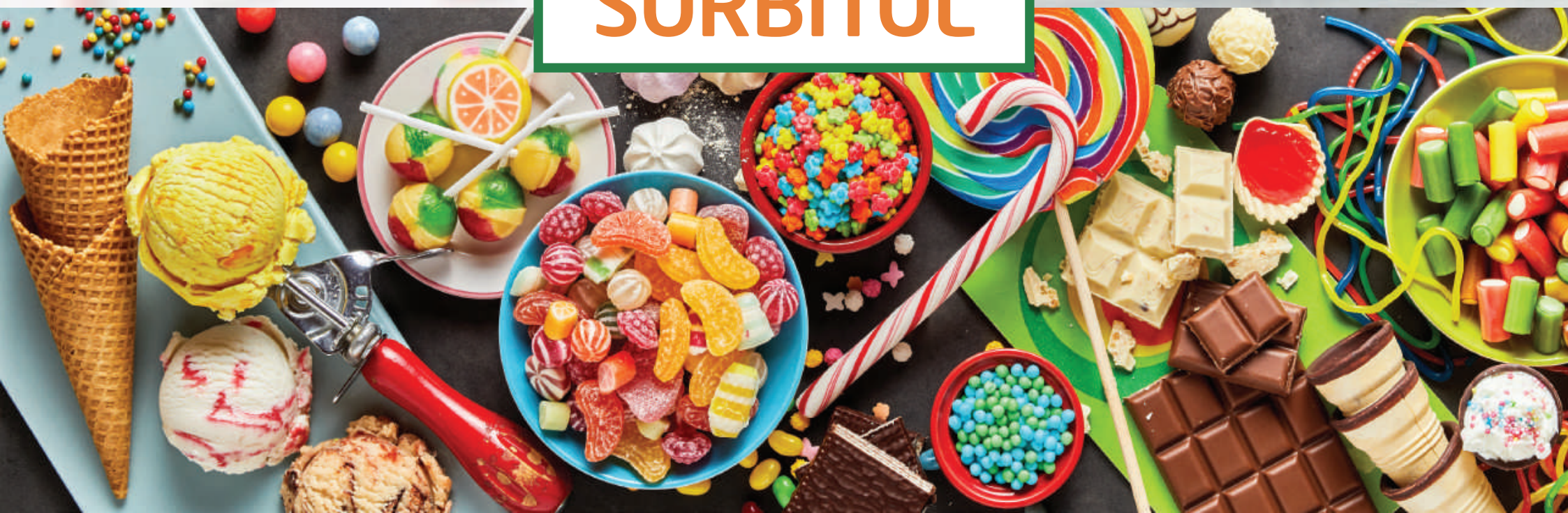
Bluecraft Agro holds active DMF Type IV for SSG BP USP TYPE A.

Description	Very fine white or off white free flowing powder
Solubility	Practically insoluble in water insoluble in most organic solvents
Identification	<ul style="list-style-type: none">• Infrared absorption• To 5 ml of a 2% w/v dispersion in water add 0.005 M iodine; a dark blue colour is produced
pH (5 gm in 25 ml of water)	5.5 to 7.5 determined in a 2% w/v dispersion in carbon dioxide free water
Heavy Metals	20 ppm max
Iron	20 ppm max
Sodium Chloride	NMT 10%
Sodium Glycolate	2% max
Loss on Drying	NMT 10% determined on 0.5 gm by drying in an oven at 105° C
Assay	2.8-4.5% of sodium
Microbial Contamination	
Shigella	Absent/10g
E.coli	Absent/g
Salmonella	Absent/10g

Packing : 25 kgs HDPE Barrel



SORBITOL



SORBITOL 70% (D-GLUCITOL) SOLUTION

Sorbitol is a water-soluble polyhydric alcohol. It has high stability, humectancy and plasticizing along with sweet taste. Sorbitol is one of the key ingredients for making various type of products. Sorbitol besides being immune to bacteriological degradation, is also less vulnerable to mould growth than most other humectants plasticizing materials. Sorbitol is produced by hydrogenation of dextrose under pressure with reaction controls.

PROCESSING OF SORBITOL 70% (D-GLUCITOL) SOLUTION



END APPLICATIONS:

- Oral Care & Cosmetics: Toothpaste, Mouthwash, Creams, Ointments, Lotions, Shaving Creams & Shampoo
- Pharmaceuticals: Liquid Syrups, Suspensions & Soft Gel Capsules
- Food & Beverage: Candies, Energy drinks / Diet Chocolates, Biscuits Cakes & Pastries, Chewing Gums, Enzymes, Ice Creams, Fruit Jams
- Industrial Applications: Vitamin 'C', Sorbitol (D-Glucitol) Esters, Polyether Polyols for Rigid Polyurethane Foams, Alkyd Resins, Melamine & Phenolic Resins
- Others: Tobacco, Papers, Explosives, Mortars & Concrete

FEATURES:

Sorbitol is extensively used as

- Bulking Agent
- Low Calorie Sweetner
- Humectant
- Texturizing Agent
- Stabilizer
- Cooling Agent
- Sequesterant

Sorbitol is extensively used for:

- providing plasticity
- moisture retention
- preventing browning of food
- adding viscosity

SPECIFICATIONS

Sorbitol Solution 70% IP and BP

Non-Crystalline Grade			Crystalline Grade
Sr.No.	Tests	Limits	Limits
1	Appearance	Clear, colorless, syrupy liquid, miscible with water	Clear, colorless, syrupy liquid, miscible with water
2	Identification	The principal peak in the chromatogram obtained with the test solution is similar in retention time to the principle peak in the chromatogram obtained with reference solution (o)	The principle peak in the chromatogram obtained with the test solution is similar in retention time to the principle peak in the chromatogram obtained with reference solution (a)
		Angle of rotation is +1.5 to +3.5	Angle of rotation is +0.0° to + 1.5°
		It is clear, syrupy liquid at a temperature of 25° C	It is clear, syrupy liquid at a temperature of 25° C
3	Reducing sugars after hydrolysis	Maximum 9.3%	Maximum 3%
4	Lead	Maximum 0.5 ppm	Maximum 0.5 ppm
5	Nickel	Maximum 1 ppm	Maximum 1 ppm
6	Water	Between 28% to 32%	Between 28% to 32%
7	Assay		
	D-glucitol (on anhydrous basis)	Between 72% to 92%	Between 92% to 101%
	Assay (as anhydrous sub.)	Between 68% to 72%	Between 68% to 72%

PACKAGING • 300 Kgs HM HDPE drums • 300 Kgs/270 kgs HM HDPE drums • SS Steel Tankers



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Ambali - Bopal Road, Ambali, Ahmedabad - 380 058

Manufacturing Units:

Unit 1: Dist. Sangareddy, Telangana
Unit 2: Dist. East Godavari, Andhra Pradesh
Unit 3: Yamunanagar, Haryana