

CEMENTING A **BETTER** AND A **STRONGER** FUTURE

COMPANY PROFILE



Born out of a simple dream to strengthen the foundation of our great nation, Max Cement has evolved as the ultimate choice for building North-Eastern India. The brand boasts of premium quality and comes with the assurance of 3S - Strength, Setting and Stability, which renders the perfect foundation to any construction.

In its constant endeavour to bring out the best in quality and still be competitive in terms of affordability, Max Cement ensures that you make no compromise with your choice. We understand the importance of every construction and so our mantra has always been to give you the perfect compositions made with the best quality raw materials and technology.

The cement plant at Nongsning, Meghalaya, comes with a capacity of approximately one million tonnes per annum. Its close proximity to high-grade limestone mines gives the product a unique edge over its competitors. The plant uses state-of-the-art German know-how and Japanese technology in manufacturing superior grade cement.

Max Cement's exceptional quality and commitment to deliver "MAXIMUM KI GUARANTEE", has been recognised and awarded over and over again.





Late Mr. G. N. Agarwal, Founder Chairman

"The qualities of a great man are vision, integrity, courage, understanding, the power of articulation and profundity of character." Such was the man who founded Max Cement. Our late founder, Mr. G. N. Agarwal, was a man of true vision. He anticipated prospects and had the courage to convert them into opportunities. His integrity and principles have always been admired and cherished. His values and sense of business have always kept the Max team together as a family. With three decades of hard work combined with financial, technical and managerial skills, he made GNG Group one of the most prominent business houses of eastern India. His enthusiasm, faith in hard work and perseverance have steered our brand ahead. He was a doer who believed in fulfilling whatever he dreamt. His strength of character and positivity have always been our guiding force. As a philanthropist, he was actively involved in projects of social welfare. Taking care of his employees and associates was always his priority. We follow in his footsteps and try to keep his teachings alive by our multifarious CSR initiatives.



Mr. Praveen Agarwal, Chairman

Dynamic, young and enterprising, Mr. Praveen Agarwal is the driving force behind GNG Group. With his in-depth knowledge and experience in financial management, logistics and international trade, he has spearheaded the company towards success.

He foresees Max Cement as a leading cement company on the basis of the growth and momentum it has achieved in a brief span of four years. His international exposure combined with his ethics of corporate governance provides fresh insight in terms of attaining the highest standards in the cement business.



Mr. Vineet Agarwal, Vice Chairman & Managing Director

An MBA from Lancaster University with specialisation in international business, Mr. Vineet Agarwal is a keen observer with an analytical mind. Under his leadership, Max Cement has already acquired the distinction of being the finest quality cement in North-East India, certified and recognised by numerous independent awarding bodies, dealers and end-users. His determination and leadership has led to the formation of a team which achieves every production and marketing goal as targeted. Since the inception of the brand, he has been monitoring the overall functioning of the plant - be it planning, monitoring, coordinating or organising unit operations. He strongly believes that extensive research and development can improvise the product as well as the production at all levels and aims to increase the plant capacity through various technical enhancements to attain a majority share in key markets.



VISION

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To be one of the most trusted and preferred cement manufacturing houses of India.

MISSION

To ensure sustainable development of the economy and to cater to the society at large by providing them the best in quality cement and giving them maximum value for money.

VALUES

Honesty, integrity and fairness in dealings are the keys to success. Each and every member and associate is equally responsible for the success of any business. We have faith in unified growth. When we grow, you grow with us. We believe, that for every organisation, it is of utmost importance to keep a perfect ratio of young, talented doers and experienced pro achievers.



CERTIFICATES & AWARDS

Power Brands Rising Star

India's Most Promising Brand

Most Promising Cement Brand

Emerging Company Award



WHY MAX CEMENT IS BEST FOR YOU





LIMESTONE CRUSHER

Lime stones are sourced from nearby mines and only the best quality lime stones are taken to the plant after which they are crushed through a Double Rotor Impact Crusher system to ensure uniform size distribution leading to high quality of clinker and a world class cement.





5-STAGE PRE-HEATER

The material passes through a 5-stage preheater, as high as a 30 storey building which ensures 40% calcination of the raw materials.

THE ADVANCED STACKER & RECLAIMER UNIT

The Advanced Stacker and Reclaimer blending system ensures proper handling of raw materials. It is where lime stones are put in multiple layers to ensure homogeneous quality of raw materials leading to consistent high quality of raw meal.

QUALITY CHECKS

The total process from sourcing of limestones to cement packaging at the integrated Max Cement plant, is continuously monitored **24x7** under watchful eyes of a **Central Control Unit**.

It is not just the state-of-the-art technology equipment that is installed to produce Max Cement but also inspires confidence and assurance for a prime quality cement required for world class application.

The **X-Ray analyser** of the **Japanese RIGAKU technology** helps to monitor and auto correct quality in each and every stage of cement production. These periodic checks and on-line sampling backed by a rapid analysis laboratory, ensures sustained quality in every bag.

The quality checks of Max Cement at every stage is a sustained process to deliver the best cement for the discerning customer.

BEST QUALITY



Hourly Lab Tests



Japanese RIGAKU X-Ray Technology

A MAX Cement Bag goes through 11 rigorous Chemical & Physical Tests, across all stages of production.



24x7 Monitoring



Automated Packing

actual image



MAX CEMENT INTEGRATED PLANT AT NONGSNING, MEGHALAYA



We come with the power of 3S- Strength, Setting and Stability, that ensures superior compressive strength, exceptional binding for better setting and everlasting stability to withstand extreme natural calamities, giving your construction the protection and care it needs.

Portland Pozzolana Cement

Portland Pozzolana Cement (PPC) is produced by inter-grinding of OPC clinker with gypsum as well as high quality fly ash and thoroughly blending them. The silica present in pozzolana of MAX PPC reacts with calcium hydroxide to form additional C-S-H gel and improves the strength and durability of construction. It also offers less heat of hydration and exhibits greater resistance to the attack of aggressive waters. MAX PPC is produced strictly as per IS:1489 Part I)

Ordinary Portland Cement

Ordinary Portland Cement (43 Grade OPC) and (53 Grade OPC) are produced as per IS:269 by carefully selecting high quality limestone and other ingredients through 'advanced dry process rotary kiln technology' to achieve higher strength. MAX OPC offers higher initial and final strength in concrete for important and strategic projects.

53 Grade Ordinary Portland Cement as per IS:269

43 Grade Ordinary Portland Cement as per IS:269



PORTLAND POZZOLANA CEMENT

Max Cement advantages -

Typical Engineering Properties of Portland Pozzolana Cement

PORTLAND POZZOLANA CEMENT REQUIREMENTS AS PER IS:1489 (Part-I)

PHYSICAL REQUIREMENTS, (As per BIS)

(FINENESS		MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	
	Specific Surface(m2/kg)	more than 300 m2/kg	380 m2 /Kg	Faster Strength Gaining	
(SS (in m2/Kg.)	MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	1.4
	Le-Chatelier Expn.(mm) Autoclave Expn.(%)	maximum 10 mm less than 0.35 % maximum 0.8%	2-3 mm 0.35%	Better Durability Better Durability	2
(SETTING T	TIME (minutes)	MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	
	Initial Setting Time Final Setting Time	more than 30 minutes less than 600 minutes	135 min 195 min	Gives more time to use mortar and concrete Early deshuttering advantages	
(CHEMICAL	REQUIREMENTS	MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	
	Loss on Ignition (LOI), % by mass Magnesia(MgO), by mass Sulphur Calculated	Less than 5.0 % Less than 6.0 % Less than 3.5 %	1.28% 1.38% 1.86%	Fresh cement with intact engineering properties Prevents delayed cracks Optimum setting of paste	The second secon
	as \$0 _s by mass Insoluble Ratio	X + 4.0(100-X)/100 Max. X × 0.6 Min. less than 0.05% (for cement	18% 0.027%	Assured quality of clinker for quality cement Extended Duarability	MAX PP MAX Ce
	Chloride % by Mass	used in special structures like pre-stressed concrete)			for Com
(COMPRESSIV	E STRENGTH (MPa)	MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	70 60 50
	At 3 Days	more than 16 Mpa	21.6 Mpa	Higher Initial Strength	40
	At 7 Days	more than 22 Mpa	32.3 Mpa	Higher Initial Strength	20 🗙
	At 28 Days	more than 53 Mpa	54 Mpa	Higher Final Strength	At 3 Days
Í	At 3 Days Dying shrinkage(%)	more than 16 Mpa less than 0.15%	0.02%	Crack resistance and better durability	Max is 35% above BIS requirements BIS require
	Fly Ash used as Pozzolana, % of PPC	more than 53 Mpa	24%	Better workability & reduces cement consumption for Design Mix of Concrete (Higher Compressive strength using lesser quantity of cement)	





MAX PPC BIS requirements vs. MAX Cement performance for Compressive Strength





ORDINARY PORTLAND CEMENT - 53 Grade

Max Cement advantages -

Typical Engineering Properties of 53 Grade Ordinary Portland Cement

ORDINARY PORTLAND CEMENT REQUIREMENTS AS PER 15:269

SETTING TIME (minutes)	MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	
Initial Setting Time more than 30 Final Setting Time less than 600	400	Higher application time without losing plastic property of mortar and concrete, beneficial for strategic constructions Optimum final setting time helps to perform in concrete hardening process and ensures better final setting of concrete applied	
COMPRESSIVE STRENGTH (M	IPa) MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	
At 3 Days Minimum 2 At 7 Days Minimum 3 At 28 Days Minimum 5	7 Mpa 43.8 Mpa	Helps to achieve Higher Initial Strength in important RCC works Helps to achieve Higher Initial Strength in important RCC works Helps to achieve Higher Final Strength in important RCC works as per Design Mix of different concrete grades	
FINENESS (in m2/Kg.)	MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	
Specific Surface(m2/kg) Minimum 225	5 m2/Kg 300 m²/Kg	Higher specific surface ensures faster strength gaining of concrete works	
SOUNDNESS (in m2/Kg.)	MAX Cement Performance	MAXIMUM ADVANTAGES FOR CONSTRUCTION	
Le-Chatelier Expn.(mm) less than 10 m Autoclave Expn.(%) less than 0.8 %		Since the expansion and contraction is minimal, the structure has extended durability Since the expansion and contraction is minimal, the structure has extended durability	



53 Grade MAX OPC BIS requirements vs. MAX Cement performance for Compressive Strength





ORDINARY PORTLAND CEMENT - 43 Grade

Max Cement advantages -

Typical Engineering Properties of 43 Grade Ordinary Portland Cement

ORDINARY PORTLAND CEMENT REQUIREMENTS AS PER IS:269

SETTING T	TME (minutes)	MAX Cement Performance			
Initial Setting Time	more than 30 minutes	120 min	Higher application time without losing plastic property of mortar and concrete, beneficial for strategic constructions		
Final Setting Time	less than 600 minutes	200 min	Optimum final setting time helps to perform in concrete hardening process and ensures better final setting		
	COMPRESSIVE STRENGTH (MPa)		MAX Cement Performance MAXIMUM ADVANTAGES FOR CONSTRUCTION		
At 3 Days	Minimum 23 Mpa	27.5 Mpa	Helps to achieve Higher Initial Strength in important RCC works		
At 7 Days	Minimum 33 Mpa	40.4 Mpa	Helps to achieve Higher Initial Strength in important RCC works		
At 28 Days	Minimum 43 Mpa but less than 58 Mpa	57.0 Mpa	Helps to achieve Higher Final Strength in important RCC works as per Design Mix of different concrete grades		
FINENES	FINENESS(in m2/Kg.)		MAX Cement Performance MAXIMUM ADVANTAGES FOR CONSTRUCTION		
Specific Surface(m2/kg)	Minimum 225 m2/Kg	300 m²/Kg	Higher specific surface ensures faster strength gaining of concrete works		
	SOUNDNESS(in m²/Kg.)		nt MAXIMUM ADVANTAGES FOR CONSTRUCTION		
Le-Chatelier Expn.(mm)	less than 10 mm less than 0.8 %	3.30mm	Since the expansion and contraction is minimal, the structure has extended durability		
Autoclave Expn. (%)		0.32%	Since the expansion and contraction is minimal, the structure has extended durability		



43 Grade MAX OPC BIS requirements vs. MAX Cement performance for Compres<mark>sive St</mark>rength



At 3 Days is 17.4% abi

BIS requirements

At 28 Days

Max is 32. BIS rega

MAX Coment Result



SOME OF THE MAJOR PROJECTS CONSTRUCTED USING MAX CEMENT

MAX CEMENT is associated with lots of prestigious projects. Enlisted below are a few of them:

NF RAILWAYS

- > Harmoti (Assam) to Naharlagun (Arunachal Pradesh) (New BG Line)
- > Lumding (Assam) to Silchar (Assam) (New BG Line)
- > Silchar (Assam) to Imphal (Manipur) (New BG Line)
- > Hailakandi (Assam) to Aizwal (Mizoram) (New BG Line)
- > Tetelia (Assam) to Byrnihat (Meghalaya) (New BG Line)
- Construction of 50km New BG Rail line from Bhairabi to Sairang, connecting Alzawl- Mizoram
- Project wise Jiribam Imphal (NP) (110.625 Km) 34 Dimapur - Kohima (NP) (82.50 Km) 45 Bairabi - Sairang (NP) (51.38 Km) Tetelia - Byrnihat (NP) (21.50 Km) Dimapur - Tizit (257 Km) Bogeebil Bridge (NP) (92.70 Km) (Completed) Sivsagar - Jorhat (62 km, Digaru-Hojai (102 Km), Kamakhya - New Guwahati Quadrupling (10.30 Km, Lumding - Hojai Patch Doubling (44.92 Km) (Completed), Digaru-Hojai (102 Km) Bongaigaon-Goalpara-Guwahati (176 Km).
- Railway overhead Electrification from Abhayapuri to Goalpara and Kamakhya to Boko.

NHIDCL

- > Double laning of NH 44E at Meghalaya (Total Length 265 km)
- > Double laning of NH 159 at Arunachal Pradesh (Total Length 96 Km)
- > Trans Arunachal Highway at Arunachal Pradesh (Total Length 400 Km)
- > 4 Ianing of NH 37 at Assam (From Numaligarh to Jaji) (Total Length 124 Km)
- Double laning of NH 44 at Agartala to Sabroom in Tripura State (Total Length 110 Km)
- Rehabilation and Augmentation of 4 Iane NH 137 from Jorhat to Jhanji Section (Total 38 km)
- Bridge Construction across Dibang river at Arunachal Pradesh, connecting Bomjur Meka Nh-52 (Total Length 18.950 Km)
- Bridge Construction on Lohit river at Alubari Ghat, connecting Chowkham – Digaru Arunachal Pradesh (Total Length 30.95 Km)

REFINERY (EXPANSION WORK)

- > Indian Oil Corporation Ltd. (Bongaigaon)
- Indian Oil Corporation Ltd. (Digboi)
- > Indian Oil Corporation Ltd. (Guwahati)

BRO

- Nagatilla Silchar Roadworks under Part 1 & Part 2 for 765 BRTF in Mizoram
- Border Roads Organization PUSHPAK, BRAHMANK, UDAYAK., Border Fencing Indo – Myanmar.Indo – Bangladesh & Indo -China.

PWD (ASSAM)

- New RCC Motor Bridge on River
- > 2 nos. Railway Over Bridge in Hailkandi District (Assam)
- Improvement & Upgradation of SH-31 (Jorhat Moriani) Double laning of Patharkandi Bypass with paved shoulder in Karimganj NH division in Assam
- > Diphu Medical College, Dhubri Medical College, PMGSY.

POWER GRID CORPORATION

- 800 KV 600 MW, HVDC Multi Terminal System package associated with North-East / Eastern Region - Northern / Western Region Inter-connector
- 400/220 KV Substation at Mariani Assam
- > 132 KV Integrated Circuit at Biswanath Chariali, Assam
- > 133 KV Integrated Circuit at Vairangte. Mizoram
- > 132 KV Transmission Line connecting Pasighat, Tezu, Roing, Namsai.
- > 400 KV Mariani near Jorhat.

HOSPITALS

 North-Eastern Indira Gandhi Regional Institute of Health and Medical Science (NEIGRIHMS) in Shillong, Meghalaya

MEGHALAYA POWER GENERATION

New Umtru Hydro Electric Project (2x20MW)

AIRPORT AUTHOURITY OF INDIA

 Construction of New Integrated Terminal Building at Guwahati airport, Assam

MES

- RCC Roadworks & Building projects of Airforce & Army in North Eastern regions
- Shillong Construction of Security Gate Annexes in 7th Mile.
- > Shillong Construction of Administrative Block in 7th Mile.
- Borjhar Construction of Technical Building
- DIGARU Construction of SHO Building.
- BORJHAR Construction of ADDN/ALTN to OPS Complex of 118 HU At STN Borjhar
- BORJHAR Upgradation of OPS and Technical Infrastructure.
- Basistha Provn of OTM Accn at Basistha.
- Borjhar Extention of External Services at AF Station Borjhar.





Building North-East. Connecting Communities



These two tunnels of 630 metres and 172 metres are a part of the single Broad Gauge line by the NF Railway, between Mualkhang Station and Sairang Station in Mizoram. The same line will connect Silchar in Assam to Sairang in Mizoram. These projects have been a challenge in construction due to the difficult hilly terrain and unapproachable roads. This project is crucial in connecting the state to Myanmar to other parts of North Eastern states. BOGIBEEL BRIDGE

Bogibeel bridge is the fourth longest rail bridge with a span of 4.94km over the mighty river Brahmaputra. Situated between the Dhemaji district and the Dibrugarh District, the project will be of strategic importance to India as it will enhance connectivity with the border areas of Arunachal Pradesh.



Lokpriya Gopinath Bordoloi International Airport, Guwahati is being renovated into a 90000 sqm terminal to equip passengers with world-class facilities like 64 check-in counters, 20 self-check-in kiosks, 8 immigration and custom counters, 6 arrival carousels etc. This will enhance the communication of the world with the North Eastern states, thus helping in the development and economy.

– NHIDCL PROJECT MEGHALAYA –



The two lane road project with paved shoulder project will reduce travel time from the existing 4 Hrs to 2.5 hrs. While the road from Jowai in Meghalaya to Ratacherra near the Assam Border passes through the coal / cement producing belt and will be a life line to the Seven land lock states of North East.



Building North-East. Connecting Communities



A world-class modern project and a major mark in electrification of India, the North East - Agra transmission line at Biswanath Charali, Assam is a unique technological marvel and has the transmission capacity of 6000 MW. It will take power from the two States of Assam and West Bengal all the way to Agra in Uttar Pradesh.



This water treatment project is under construction in the Jorhat district of Assam. It will source water from the river Brahmaputra and purify the same and then supply to various areas under the Jorhat district for drinking by a unique mechanism. Under this project 42 number of overhead and 1500 Km of water pipeline water tanks are to be constructed covering the area of Jorhat and adjoining areas.



This Manufacturing unit at Balipara is the biggest manufacturing unit of Patanjali Ayurveda. The commercial production was started within the record time of 5 months, which will generate employment for the State. MATABARI (UDAIPUR) TO SABROOM-A PROJECT BY NHIDCL, AGARTALA



The project in Udaipur - Sabroom Section of National Highway 08, Tripura is 73.712 Km in length with 8 new Bridges, 32 upgraded bridges and also many small and large culverts. This all weather road will serve the strategic and economic needs of the nation by reducing travel time, distance and travel cost. It will create new opportunities for the people of India and Bangladesh.





COMMITMENT OF MAX CEMENT TOWARDS NORTH - EAST REGION NATION-BUILDING

From the very inception, the management of MAX CEMENT is committed to supporting activities dedicated towards the growth and development of infrastructure of the nation and more particularly, of the North-East Region. Our brand has been accepted by major Government / private construction companies for the construction of Dams / Bridges / Roads / Airports etc. We are pleasured to exhibit some of the leading sites / constructions who have used Max Cement.



TEAM MAX

Max is one of the most trusted cement brands in the North-East. We, as a brand, embody 'Strength', 'Setting', and 'Stability'. We stand at this juncture, proud of our legacy and it has all been possible because of the team we have to fall back on. At the helm of our operations is a team that leads through examples. The team is dynamic and plays a definitive part in the advancement of our company. Their collaborative effort fuels our motivation and aspirations and lends stature as well as stability to Max. We have dedicated teams in Kolkata, Guwahati and Meghalaya, who make it possible for us to reach even greater heights.







MAX Cement 'Fast Track Technical Services' ensures home solution guidance at the doorstep of customers quickly, as and when required. MAX Care vans equipped with Compression Testing Machine is a valued service for our customers which they can avail within 24 hours of summoning by registering a request through our customer care number 1800 1214 544.

The objective behind 'Fast Track Technical Services' is to advise our consumers about scientific construction techniques as per Indian Standard Code of Practice regarding the proper ratio for a concrete mix and pre / post-care for RCC construction which helps to yield the maximum strength, proper setting and viable stability. This ensures that our consumers can make the most efficient use of our cement, which would, in turn, provide the customer with a fulfilment of satisfaction and a deep trust towards the brand. Max Cement also offers Civil Engineering Construction Site Supervision as per scientific procedures for customers throughout North-East on demand.

- Selection of raw materials for concrete
- Concrete preparation guidance with proper water and cement ratio as well as mix ratio as per Indian Standard Code of Practice to meet the earthquake-resistant requirements
- Slab casting guidance and supervision
- Concrete care guidance
- > Concrete testing on site
- Non-destructive testing to ensure quality of construction and concrete
- Fast Track Technical Service to enable quick responses for any quality-related query from customers
- We ensure better construction practices to meet better strength and durability
- The Mobile Concrete Testing Van is a programme that keeps monitoring the time-bound technical support. This on-the-go mechanism reaches out to all the technical corners of the region to address the specific needs of our customers

PREMIUM CONCRETE COVER BLOCKS



- High Quality Concrete used
- Unaffected by pressure & load
 Consistent shape and size
- · Shaped for better framework and support
- · Added with special fibers























CORPORATE SOCIAL RESPONSIBILITY

Max Cement is involved in extensive CSR initiatives on a sustained basis, on the various aspects of community development and welfare programs in Meghalaya, Assam and other states of North East India.

Medical camps with skilled doctors and nurses are continuously initiated with the sole objective to provide medical care to those who are deprived of it.

Max Cement has also been initiating other community service activities periodically such as Blood Donation Camps, Building Schools, Pulse Polio Immunization and other programs especially for the physically disabled children.

SWACHH MAX EVENT is organized every year for the improvement of the general quality of life, by promoting cleanliness and hygiene. Plantation of saplings for a greener and healthier environment by Max employees is arranged and encouraged.

Max is quick to respond to aid disaster management measures in the flood or hail storm stricken areas, by installing relief camps and distribution of tarpaulins to those affected.



OUR MARKETING EVENT



















LIFE AT MAX

Max gives you the opportunity to work in a friendly environment which allows you to have a work-life balance. The opportunities in Max are enterprising and fulfilling for all the employees, giving you a satisfying experience. It is one such place where people posses an arsenal of skills which is a great motivation to learn. You need to work hard as Max Cement always wants to be ahead of its competitors and it is. Max cement provides you good conduct to improve the skills of construction technology and communication. The most enjoyable part of the job is that it is extremely dynamic. You get a chance to build your innovation, also, if you love travelling; enjoy the wind in your face.

We believe in building a happy, productive and prosperous team and glorifying your achievements and awards at Max.





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