



KALLIYATH



90 YEARS OF STRENGTHENING THE NATION'S DREAMS

KALLIYATH TMT

KALLIYATH TMT

KALLIYATH TMT

KALLIYATH TMT

KALLIYATH TMTTM

ORIGINAL TMT STEEL BARS



KALLIYATH®



MADE HISTORY. MAKING FUTURE.

We've made history. Right from being the first TMT bar manufacturer in the state, to the first to bring in automation and several other innovations that set new benchmarks for the industry. At Kalliyath, we believe that our nation shall stand tall and strong for centuries to come. Let this vision mark our 90th year - this vision of making the future, as we have made history. For this, we are joining hands with one and all in this industry, marching towards our glorious 100 years.

A 90-YEAR OLD LEGACY OF STRENGTH AND TRUST

Founded in 1929 by the visionary leader Kalliyath Abdul Khader Haji, Kalliyath is at the forefront of leading the industry to greater heights by introducing innovative steel products and revolutionary manufacturing processes. Kalliyath has crossed many a milestone - Kerala's first TMT Steel bar manufacturer, first to get BIS certification, manufacturer of India's first cut and bend steel bars, came out with ISI certified binding wires along with a host of other innovations. Entering its centenary phase, Kalliyath has charted out its objectives and aims for the coming decade to bring in revolutionary changes in the industry.



THE TIMELINE OF A GLORIOUS TRADITION

1929

Kalliyath Group was founded by Kalliyath Abdul Khader Haji in Tirur, Malappuram. The initial foray was into clothing and hardware sectors.

1970

Noor Muhammed Noorsha joined his father to start Kalliyath Steels in Tirur and began wholesale steel distribution across Kerala.

1990

Kalliyath set up a binding wire manufacturing unit at Perumbavoor.

1940

Kalliyath Hardware was launched in Tirur by Kalliyath Khalid Haji and Kalliyath Mohammed Haji. The products included steel bars, sanitaryware and cement.

1995

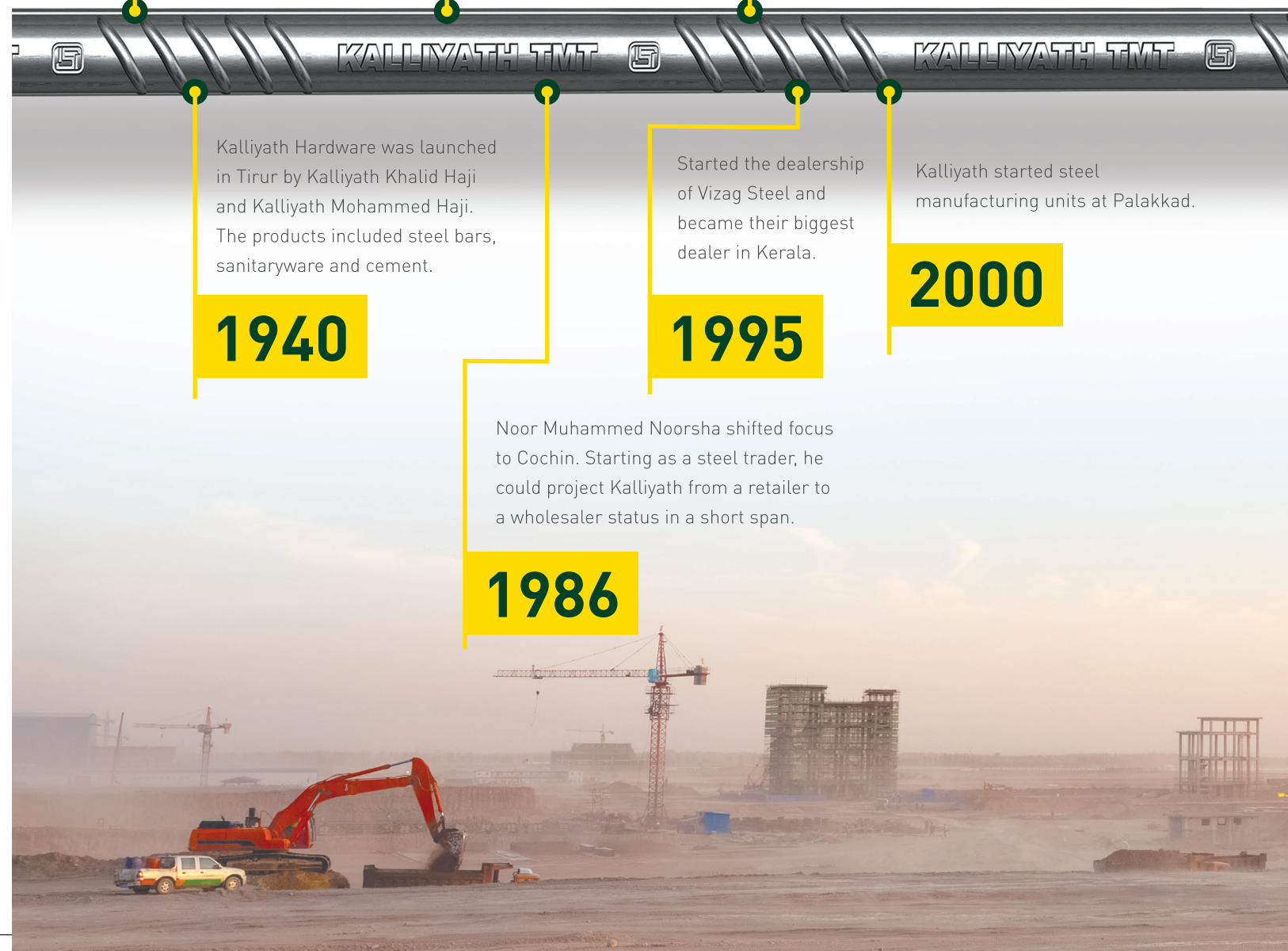
Started the dealership of Vizag Steel and became their biggest dealer in Kerala.

2000

Kalliyath started steel manufacturing units at Palakkad.

1986

Noor Muhammed Noorsha shifted focus to Cochin. Starting as a steel trader, he could project Kalliyath from a retailer to a wholesaler status in a short span.



2008

Kalliyath started manufacturing high-quality TMT steel bars, thus becoming Kerala's first TMT steel manufacturers. Became the first company in Kerala to get BIS certification for steel bars. Started manufacturing Fe500 grade 6 mm TMT bars for the first time in India. Became the first company to manufacture 6mm TMT bars in Kerala.

To overcome the energy crisis in Kerala, Kalliyath set up wind farms with a total capacity of 25MWe at Agali, Palakkad.

2013

Started contributing to major Government projects like Kochi Metro, CIAL, KRL, etc.

2019

Kalliyath introduced PLC Controlled Continuous Linear Rolling Mill and Fully Automated Furnace for the first time in South India.

2016

Became the first company in Kerala to export steel.

KALLIYATH TMT **KALLIYATH TMT** 

For the first time in India, Kalliyath launched cut and bend steel bars.

2012

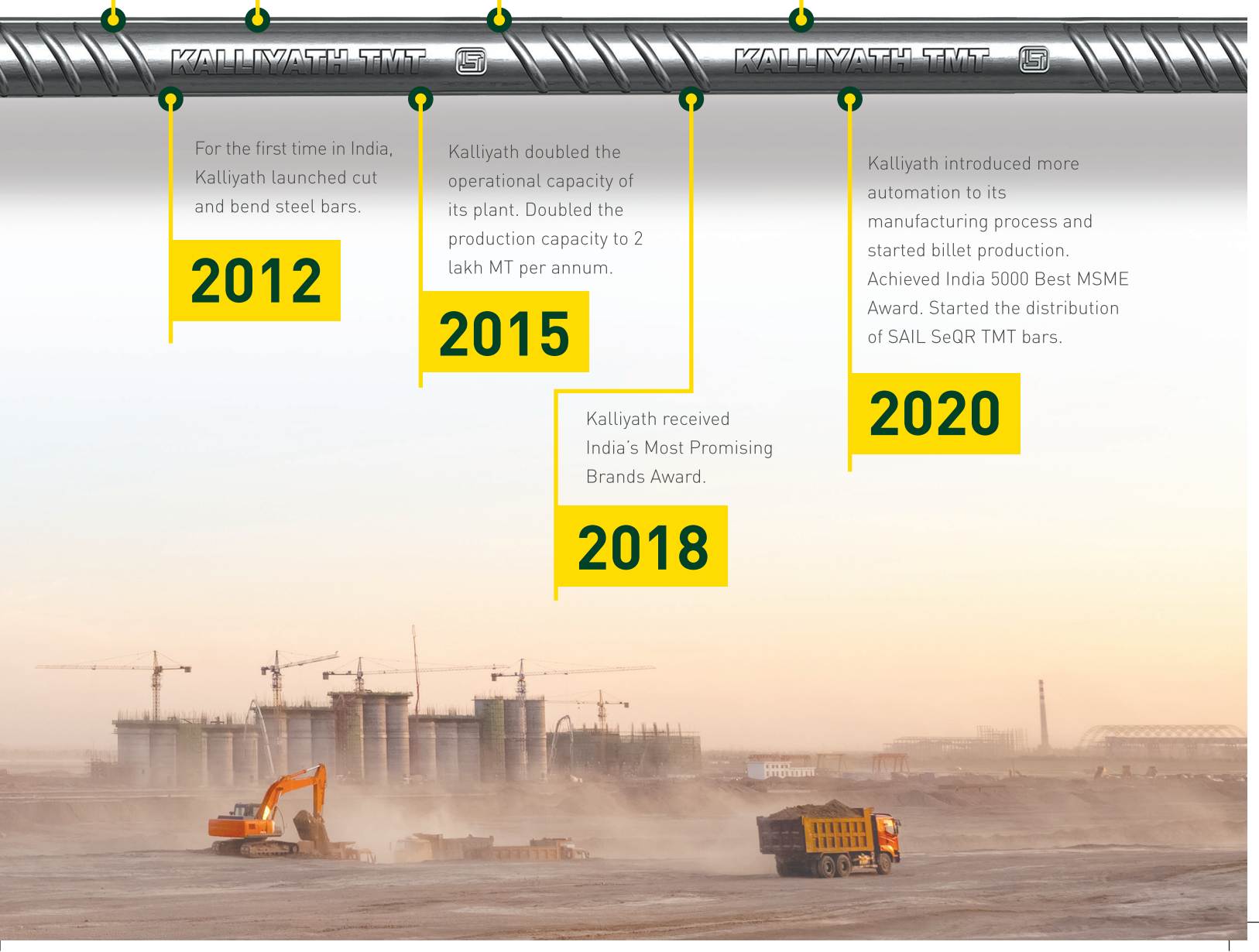
Kalliyath doubled the operational capacity of its plant. Doubled the production capacity to 2 lakh MT per annum.

2015

Kalliyath received India's Most Promising Brands Award.

2018

Kalliyath introduced more automation to its manufacturing process and started billet production. Achieved India 5000 Best MSME Award. Started the distribution of SAIL SeQR TMT bars.

2020

VISIONARIES AT THE HELM

At the heart of every successful project of Kalliyath Group, we can find an effective core team that is fully responsible. Both the directors are highly experienced and responsible for the effective functioning of the day-to-day activities, sales and marketing as well as future expansions.



Noor Muhammed Noorsha Kalliyath

Chairman

Noor Muhammed Noorsha Kalliyath has been very instrumental in the growth of Kalliyath Group since he joined in 1970. Following the footprints of his father Kalliyath Khalid Haji and his grandfather Kalliyath Abdul Khader Haji, the founder of Kalliyath Group, Noor Muhammed Noorsha became renowned for his fair trade practices and commitment to superior quality.



Dirsha Kalliyath Muhammed

Director

After completing his MBA in Marketing and Finance from Liverpool University in 2008, Dirsha Kalliyath Muhammed joined his father Noor Muhammed Noorsha. As Kalliyath Group completed 90 years in the industry, Dirsha Kalliyath Muhammed, the Director of Kalliyath Group, is at the forefront of leading the group to a glorious century.





MANY SUCCESSFUL VENTURES. ONE PRESTIGIOUS GROUP.



GASHA STEELS PVT. LTD.



KALLIYATH STRUCTURAL FABRICATION PVT. LTD.



THIEH PVT. LTD.



KALLIYATH WIRES



KALLIYATH DEVELOPERS PVT. LTD.



KALLIYATH TYRE DISTRIBUTION DIVISION



WE 4 EARTH



WESTLEYS RESTOCAFÉ

**STRONG. FLEXIBLE.
ORIGINAL.**



KALLIYATH TMT[™]

ORIGINAL TMT STEEL BARS

A pioneer in the iron and steel industry, Kalliyath has always been instrumental in making people understand what a real TMT Steel bar is. With four well-equipped manufacturing units spread across eight acres, Kalliyath is the only brand in Kerala that produces 6mm original TMT Steel bars and also the only brand in India to

produce Fe 500 graded 6mm bars with ISI certification. At Kalliyath, each TMT Steel bar is made from the PLC controlled Continuous Linear Rolling Mill in adherence with the BIS quality standards and norms to ensure quality consistency.

CHEMICAL PROPERTIES

ELEMENTS	IS:1786 Fe500 (BIS)	KALLIYATH TMT Fe500
CARBON	0.30 (Max)	0.25 (Max)
MANGANESE	Not mentioned	0.55-0.80
SULPHUR	0.055 (Max)	0.045 (Max)
PHOSPHORUS	0.055 (Max)	0.050 (Max)
SULPHUR+PHOSPHORUS	0.105 (Max)	0.095 (Max)
CARBON EQUIVALENT	0.42 (Max)	0.42 (Max)
MICRO ALLOYS OPTIONAL	0.30 (Max)	0.30 (Max)

BEND - REBEND TEST

Test Type	Normal Size	Mandrel Dia for FE500	Mandrel Dia for FE500D
Bend Test	Upto and including 20mm	4	3
Bend Test	Above 20mm	5	4
Re - bend Test	Upto and including 20mm	5	4
Re - bend Test	Above 10mm	7	6

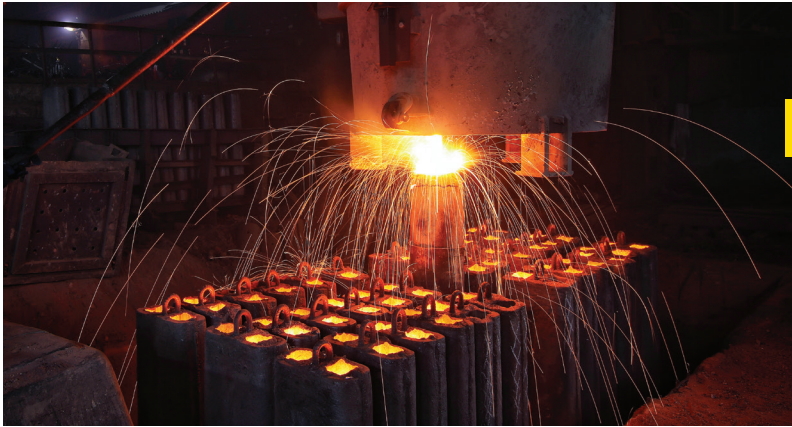
GRADE OF STEEL

Grade of Concrete	Grade of steel	Qty. in Kg	% Saving in wt. Over normal 415
15	Normal 415	112	
15	Kalliyath Fe500	102	13
15	Kalliyath 500D	95	17.15

PHYSICAL PROPERTIES

	Specific Weight	BIS Standard Kg/Mtr.	Kalliyath Standard
Size mm	Kg/Mtr.	Kg/Mtr.	Kg/Mtr.
6	0.222	0.206	0.215
8	0.395	0.367 - 0.423	0.375 - 0.400
10	0.617	0.574 - 0.660	0.580 - 0.600
12	0.888	0.844 - 0.932	0.850 - 0.890
16	1.580	1.501 - 1.659	1.510 - 1.560
20	2.470	2.396 - 2.544	2.400 - 2.480
25	3.850	3.735 - 3.965	3.750 - 3.850
28	4.830	4.691 - 4.981	4.700 - 4.900
32	6.313	6.127 - 6.506	6.100 - 6.400

UNIQUE FEATURES. MATCHLESS ADVANTAGES.



Incomparable purity and strength

Kalliyath TMT bars are made from pure steel billets of Fe 500 grade and have matchless purity and low sulphur and phosphorous content, which make the TMT bars even stronger.

Uniform structure

Powered by computerised processes and advanced technologies, Kalliyath TMT ensures uniform grade, quality, strength, rib and section weight of each TMT bar.



Bonds well with cement

The unique and thoughtfully designed ribs help Kalliyath TMT bars bond perfectly with cement.

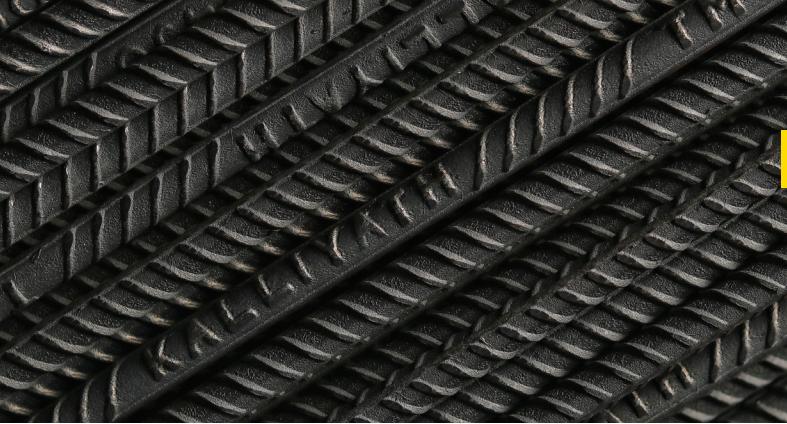
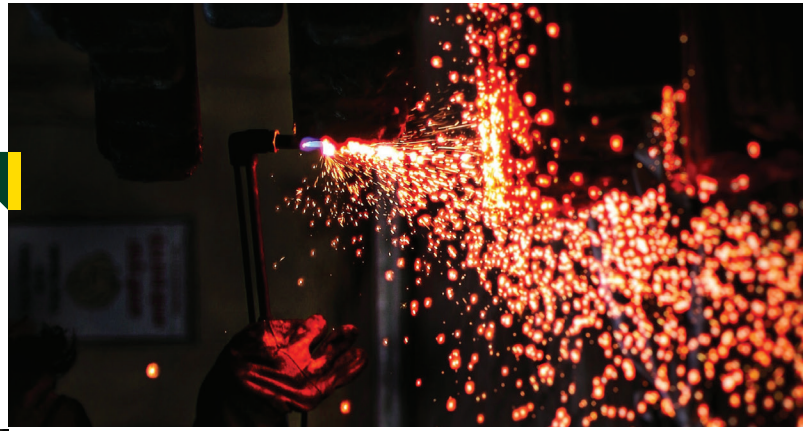
Better earthquake resistance

Blending superior strength, bendability, ductility and fatigue resistance, Kalliyath TMT ensures better earthquake resistance.



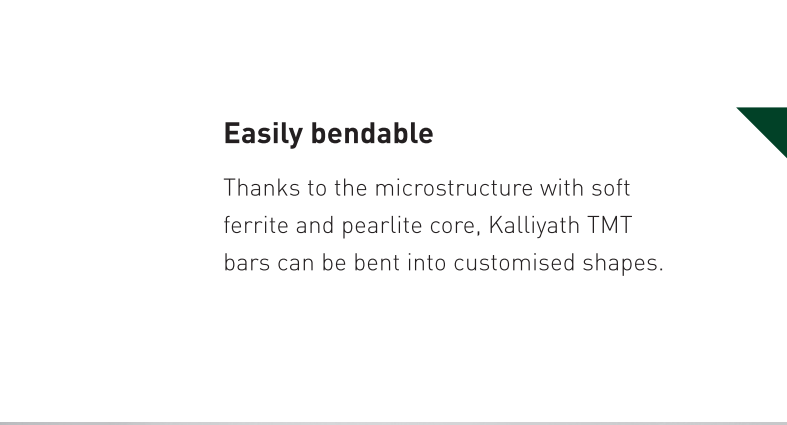
Easily weldable

The low carbon content makes Kalliyath TMT easily weldable.



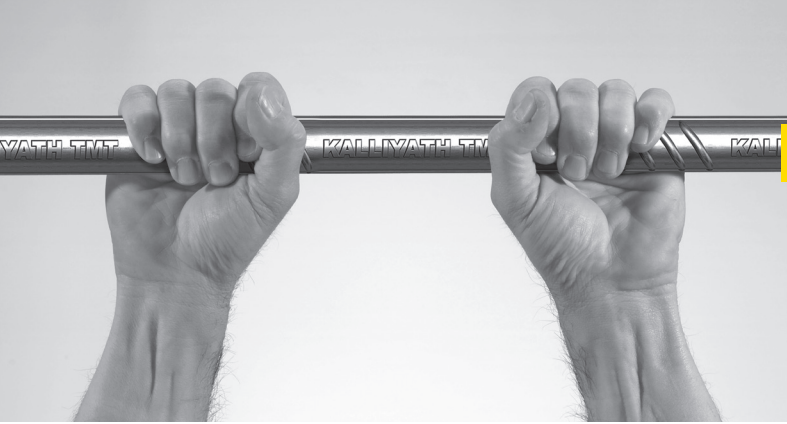
High corrosion resistance

The uniform microstructure achieved through HYQST Technology gives Kalliyath TMT unmatched corrosion resistance properties.



Easily bendable

Thanks to the microstructure with soft ferrite and pearlite core, Kalliyath TMT bars can be bent into customised shapes.



Superior fatigue resistance

The brilliantly designed uniform rib pattern makes Kalliyath TMT the best in cyclic loading situations.

Rust-free binding

Kalliyath TMT uses pneumatically controlled grip straps for binding TMT bar bundles to avoid rusting of the bars.



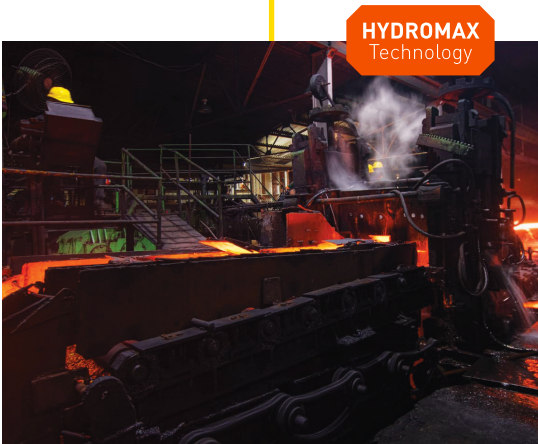
THE PROCESSES AND TECHNOLOGIES THAT ENSURE SUPERIOR STRENGTH AND QUALITY



HIGH-QUALITY RAW MATERIALS
WITH THE UNIQUE COMBINATION OF
CHEMICALS AND SUBSTANCES



SOUTH INDIA'S FIRST FULLY AUTOMATED FURNACE TO MAINTAIN THE TEMPERATURE OF THE BILLET AT 1,200° C



QUENCHING PROCESS WITH PATENTED '**HYDROMAX TECHNOLOGY**'



AUTOMATED HIGH-SPEED COOLING BED TO ENSURE SUPERIOR-QUALITY TMT BAR



PLC CONTROLLED CONTINUOUS LINEAR ROLLING MILL TO ENHANCE PRODUCTION SPEED - 30 METRES PER SECOND WHILE PROCESSING IN 23 PASSES



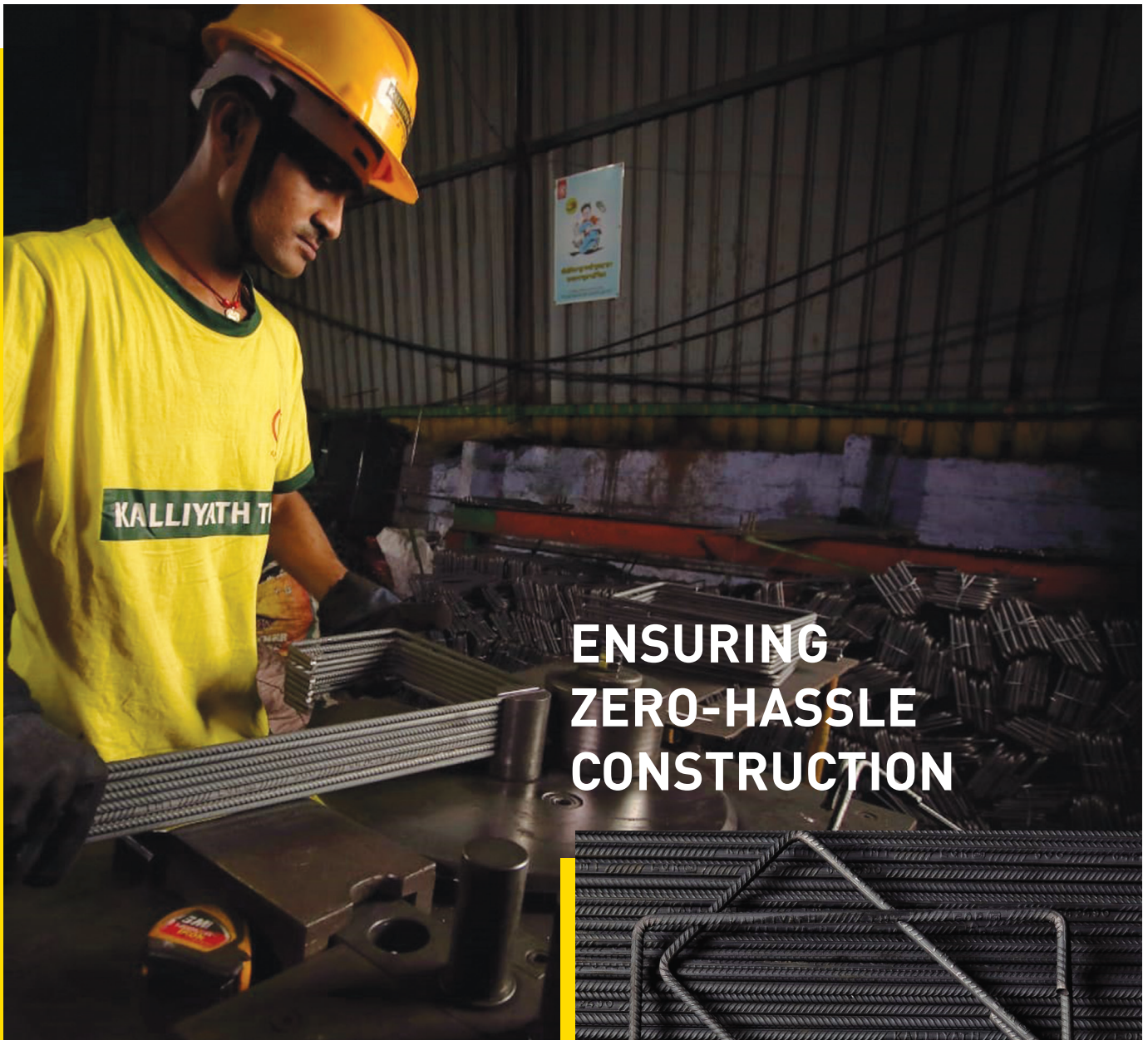
21 TO 25 PASSES TO ENSURE UNIFORM SIZE, SHAPE, QUALITY AND STRENGTH



STRINGENT ONLINE QUALITY CONTROL TO ENSURE CONSISTENT QUALITY OF TMT BAR



ENVIRONMENT-FRIENDLY PRODUCTION TO CONTROL POLLUTION AND REDUCE WASTAGE



ENSURING ZERO-HASSLE CONSTRUCTION



KALLIYATH **STEEL FAB**

The practice of cutting and bending the rebars at the site to meet individual requirements has its own problems. It can be labour intensive, time-consuming, and usually results in enormous material wastage. Kalliyath introduced for the first time in India, Steel Fab - ready-to-use cut and bend rebars, a totally new generation product with advanced Italian technology. It manages inventories better by reducing material wastage and production costs.

FEATURES

- ✔ Excellent strength
- ✔ Precise measurements
- ✔ Available in customised sizes
- ✔ Lower production cost
- ✔ Saves time
- ✔ Zero wastage
- ✔ Greater response capacity & delivery flexibility
- ✔ No extra storage space required



**BONDS MADE
STRONGER
FOREVER**

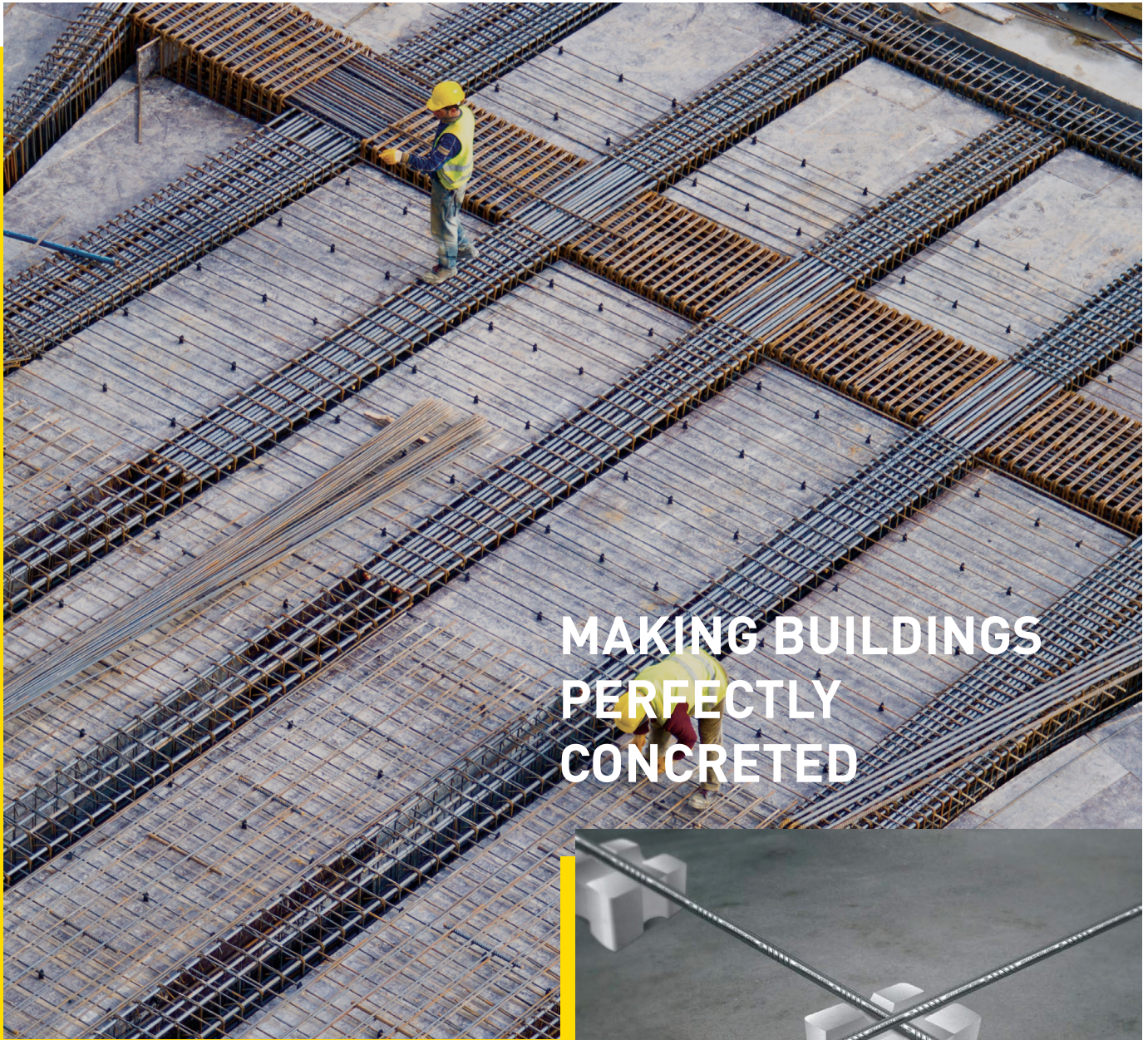


KALLIYATH
Wires

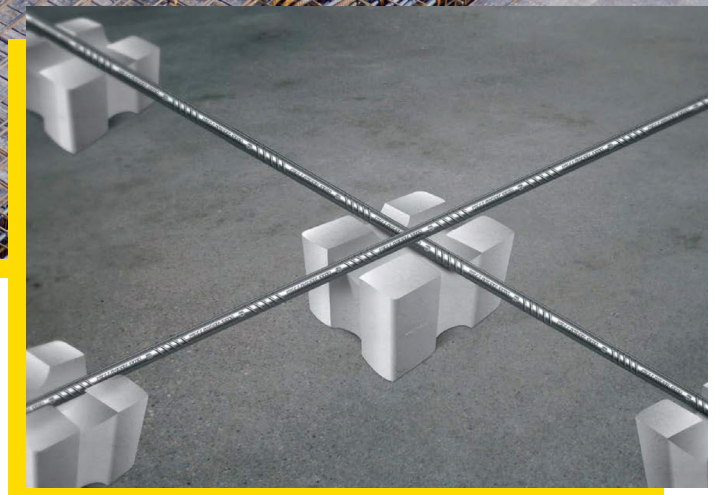
Kalliyath TMT is the first to introduce branded binding wire as a high-quality alternative to the rest of the low-quality binding wires. Owing to its superior quality, good packaging, and its availability through an extensive network, Kalliyath Binding Wires got the ISI Certification and thereby became the first branded binding wire in India to get that accolade.

FEATURES

- ✔ Unbreakable and gentle to handle
- ✔ Uniform in size and economic in price
- ✔ Doesn't scale and hurt the masons
- ✔ Easy to bind
- ✔ Zero wastage and saves time
- ✔ Unique packaging and rust-free



MAKING BUILDINGS
PERFECTLY
CONCRETED



KALLIYATH
ALL PURPOSE CONCRETE
COVER BLOCK

During concreting, using stones with different shapes will cause uneven slanting to the concrete surface, which in turn would shift to one side to create voids. Kalliyath Cover Blocks with ZERO VOID DESIGN prevent chances of creating voids and strongly holds the steel bars, keeping them still at a point at the desired height, without slipping away.

FEATURES

- ✔ Strengthens concrete
- ✔ Provides enough space between concrete and the steel bars
- ✔ Protects the steel bars from rust
- ✔ Eliminates the possibility of void formation inside the concrete

PARTNERING WITH THE INDUSTRY STALWARTS



PROUD TO BE RECOGNISED

In a journey that spans 90 years, Kalliyath has achieved many awards and accolades. And the latest jewel in their crown is the prestigious India 5000 Best MSME Awards. These unparalleled recognitions are a testimony of the group's uncompromising approach to delivering the best quality products consistently.



India 5000 Best MSME Awards



ISO 45001: 2018 Certification



ISO 14001: 2015 Certification



ISO 9001: 2015 Certification



India's Most Promising Brands 2018



Indywood Excellence Award 2018



Certificate of Appreciation
For Energy Efficiency



Industrial Safety Award from Factories
and Boilers Department



PROSPERING TOGETHER WITH SOCIETY

Right from its inception in 1940, Kalliyath Group has always been giving importance to the prosperity of the community it coexists. Just like leading the entire industry to unprecedented growth, Kalliyath Group has been spearheading numerous welfare projects and initiatives to strengthen society and empower its people.



VIDYAMITRA

With Vidyamitra Student Scholarship Scheme, Kalliyath Group provides eligible students with scholarship and school kits to ensure quality education to them. Kalliyath Group also helps in preparing smart classrooms at eligible schools through Vidyamitra.

HOMES FOR THE NEEDY

Being a socially responsible organisation, Kalliyath Group has helped several homeless families build homes and ensured shelter to the needy.



MEDICAL AID FOR THE AILING

Knowing that good healthcare is everyone's right, Kalliyath Group has been extending a helping hand to patients who are financially unable to pay for their medical treatments or consultation.

RATION FOR THE DEPRIVED

Food being one of the basic needs, Kalliyath Group puts effort into ensuring food to the destitute people. Kalliyath Group distributes a fixed quantity of provisions for addressing the nutritional needs of the impoverished.



ACTIVITIES TO COUNTER COVID-19

When the pandemic COVID-19 broke out in 2020, Kalliyath endeavoured to create awareness about COVID-19 among its stakeholders and provided them with a safety kit for their protection against Coronavirus.

HELPING KERALA REBUILD

By providing vehicles for transporting essential materials and rescue operations, Kalliyath Group made significant contributions to the relief and rehabilitation work during the 2018 floods in Kerala.



ULKARUTHINTE KATHAKAL

Kalliyath Group introduced 'Ulkaruthinte Kathakal', a video series aimed at encouraging youngsters to achieve their dreams. 'Ulkaruthinte Kathakal' features personalities who overcame all the limitations and achieved international acclaim through hard work and determination.

PROMOTING YOUNG TALENTS IN SPORTS

Kalliyath Group takes efforts to find young and highly talented sportspersons, provide them with sufficient support and mentor them to achieve success at national and international levels.





KALLIYATH TMT

KALLIYATH TMT

KALLIYATH TMT

KALLIYATH TMT

KALLIYATH TMT

ORIGINAL TMT STEEL BARS

34/1864, Kalliyath Building,
Mamangalam, Cochin - 25.

Tel: 0484 2344343, Fax: 0484 2349227

www.kalliyathindia.com

Customer Care: 98 46 25 25 25