



K. K. NAG PVT. LTD

CORPORATE PRESENTATION

OCT 2022



Rich history of innovation
and of pioneering new
plastic processes in India



Over 75 EPS/EPP moulding
machines with a capacity
of 12,000 MT per annum



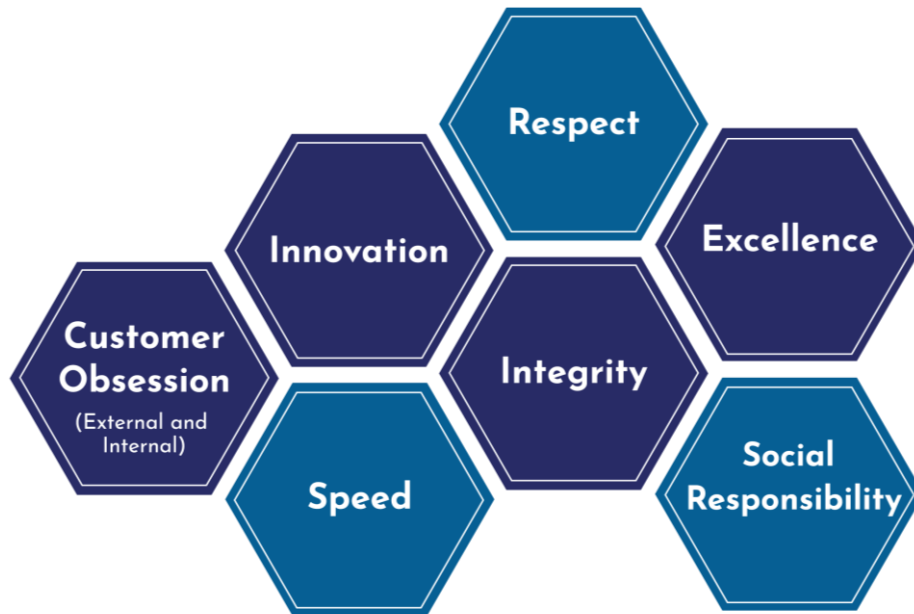
2 rotational moulding
machines with a capacity
of 4,200 MT per annum



PURPOSE

K. K. Nag Pvt. Ltd is an ethical and innovative leader in the plastics industry committed to environmental sustainability.

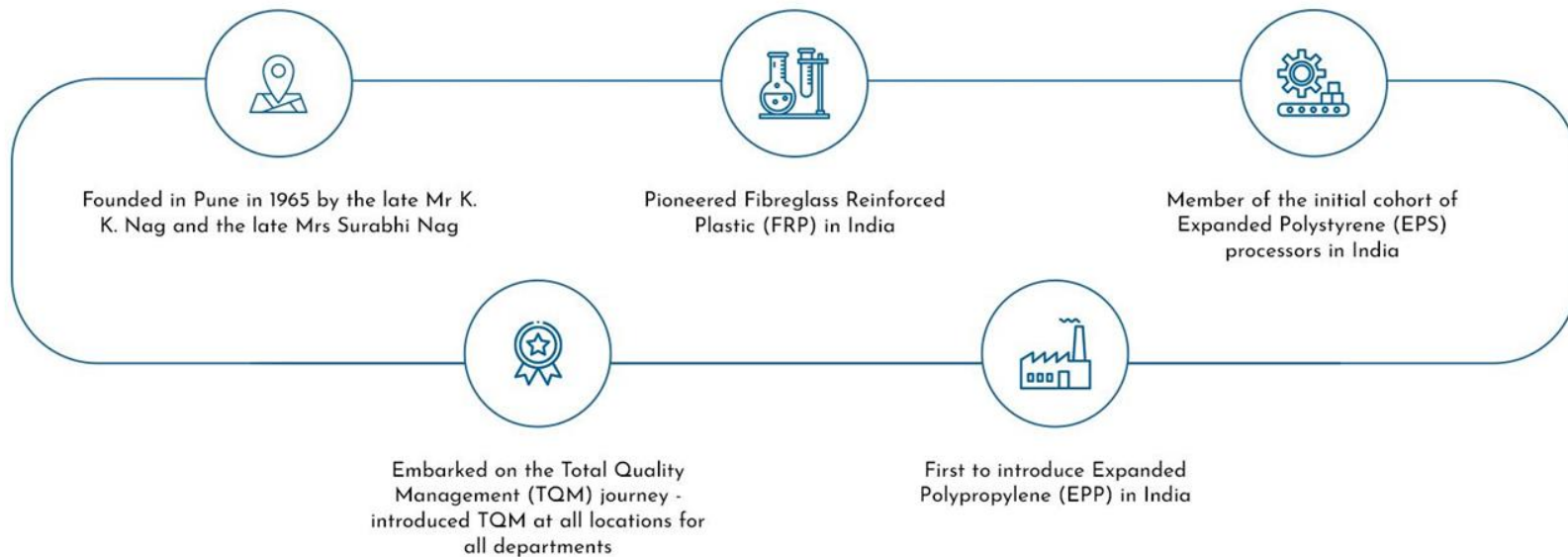
CORE VALUES



- Our association with EPS actually predates the company
- Prior to starting K. K. NAG PVT. LTD, Mr Kalyankumar Nag was a partner in R. A. Cole & Co.
- Expandable Polystyrene resin was first developed and patented in India by Mr R. A. Cole and Mr K. K. Nag
- The generic name for EPS in India is **THERMOCOLE** (**THERMO** for Heat + **COLE** for Rudy Cole)!









5 EPS/EPP
manufacturing
locations

1 Rotational
moulding
plant

1 Tool
room

2
Warehouses

DISTANCES BY ROAD

Pune plant - Urse/Rotational moulding plant

From nearest sea port (JNPT) - 108 km

From nearest international airport
(Mumbai Airport) - 122km

Pune plant - Ranjangaon

From nearest sea port (JNPT) - 177 km

From nearest international airport
(Mumbai Airport) - 190 km

Chennai plant - Thiruvallur

From nearest sea port (Chennai Port) - 49 km

From nearest international airport
(Chennai Airport) - 44 km

Chennai plant - Sriperumbudur

From nearest sea port (Chennai Port) - 53 km

From nearest international airport
(Chennai Airport) - 40 km

Puducherry plant

From nearest sea port (Chennai Port) - 150 km

From nearest international airport
(Chennai Airport) - 146 km



Foam Moulding - Urse
(Pune)



Foam Moulding - Ranjangaon
(Pune)



Foam Moulding - Kariamanickam
(Puducherry)



Foam Moulding - Thiruvallur
(Chennai)



Foam Moulding - Sriperumbudur
(Chennai)



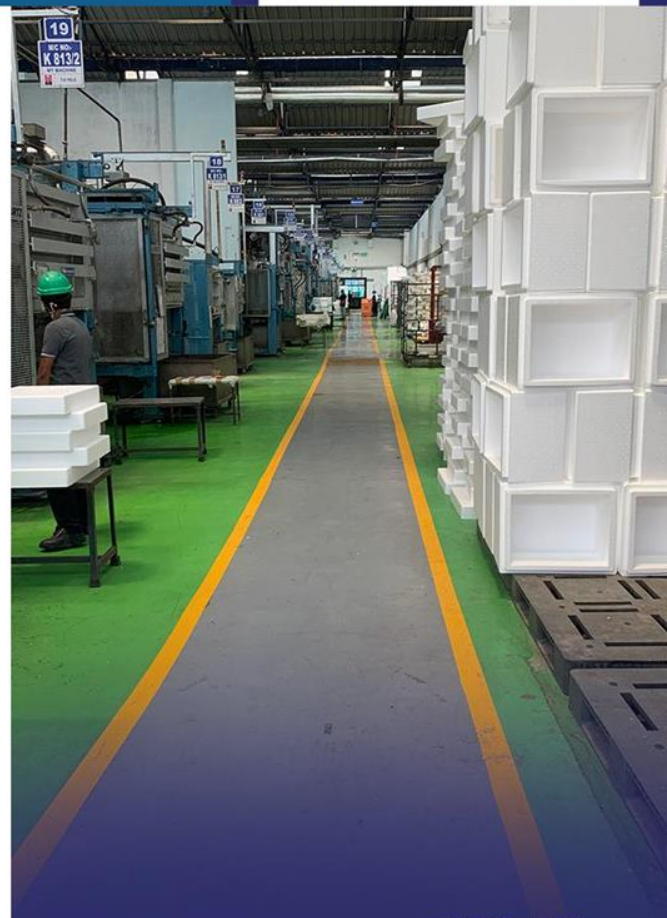
Rotational Moulding - Urse
(Pune)

Polymer	Type	Supplier	Country
EPS	Standard EPS	Supreme Petrochem Ltd	India
EPS	FR	Supreme Petrochem Ltd	India
EPS	Antistatic	Supreme Petrochem Ltd	India
EPS	Graphite embedded	Sunpor Kunststoff GmbH	Austria
EPS	Peripor	BASF SE	Germany
EPO (PSPE)	Piocelan	Sekisui Kasei	Japan
EPE	Standard	JSP Foam Products	Singapore
EPE	Antistatic	JSP Foam Products	Singapore
EPP	Standard	JSP Foam Products	Japan
PE	LLDPE	Reliance Industries Ltd	India
PE	HDPE	SCG Performance Chemicals Co. Ltd	Thailand
PP	PP	PSD Rotoworks	Thailand



EXPANDED POLYSTYRENE (EPS)

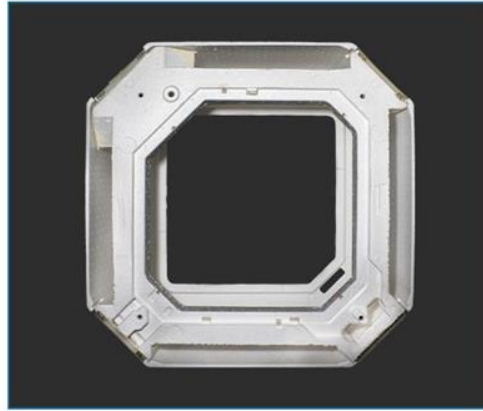
- We have 5 EPS processing plants in Urse and Ranjangaon (Pune), Thiruvallur and Sriperumbudur (Chennai) and Kariamanickam (Puducherry)
- From concept to final product almost every activity is carried out in-house, including designing, prototyping, mould development and manufacturing of the EPS part
- We are reputed to be the most technically progressive EPS processor in India
- We are amongst the largest EPS shape moulders in India and are known to have the best quality EPS mouldings and tools in the country
- All our plants, except the newest one at Sriperumbudur, are certified for ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. The Sriperumbudur plant is in the process of being certified. Three of our five plants are also certified for IATF 16949:2016.
- We have EPS processing machines with platen sizes ranging from 400 x 600 mm to 1,750 x 1,560 mm



Packaging



Components





We are very proud to be playing a major role in the international Covid-19 response as one of the leading vaccines is packaged and transported world-wide in our EPS insulation boxes.





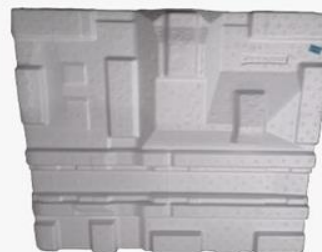
Seat Pad



Crash Pad



Crash Pad



Car Floor



We proudly count almost all major manufacturers of consumer durables in Western and Southern India as our customers

RecyCole – K. K. Nag Pvt. Ltd's Thermocole recycling initiative – was launched in March 2021.

Our goal is to ensure that there is not a single piece of Thermocole waste lying on our streets, in our rivers or dumped in landfills.

We are working towards achieving this goal by tying up with local governments and waste collection organisations.

Our recycling process is completely mechanical. No heat or chemicals are used which means zero pollution is created.

Our method involves simply crushing the Thermocole waste material back into granules that are then mixed with virgin material during the regular production process.

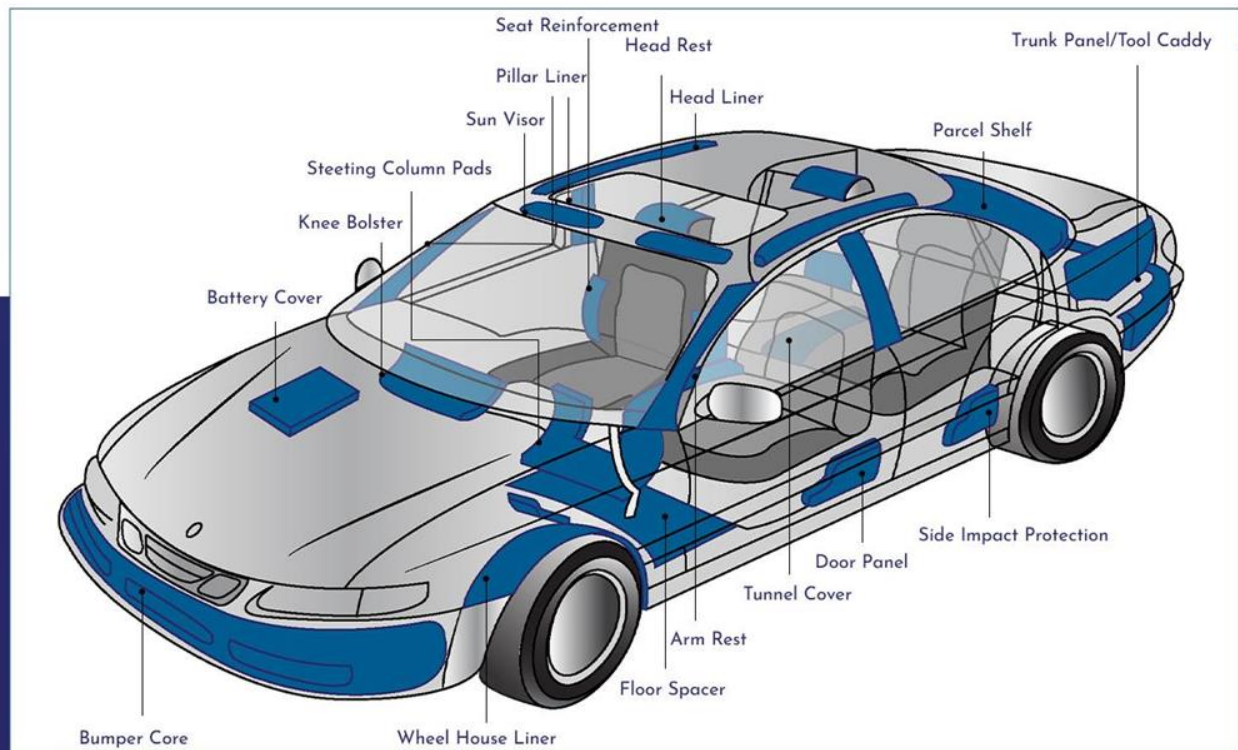




EXPANDED POLYPROPYLENE (EPP)

- We supply components such as seat cores, bumper cores, sun visors, impact modifier blocks, tool and jack trays, load floors, dashboard panel pads, fenders, helmets, etc., to automotive OEMs and Tier 1 and Tier 2 companies
- We cater to a variety of packaging and dunnage applications
- We provide various products for the defence sector
- We make boxes for the food and fishery industries
- We have EPP processing machines with platen sizes ranging from 600 X 800 mm to 1,300 X 1,700mm







Seat Core



Seat Core with Wire-Frame
Insert Moulding

Bumper Cores (Energy Absorbers)





Sunvisor



Head Rest



Energy Absorber

Tool Kits





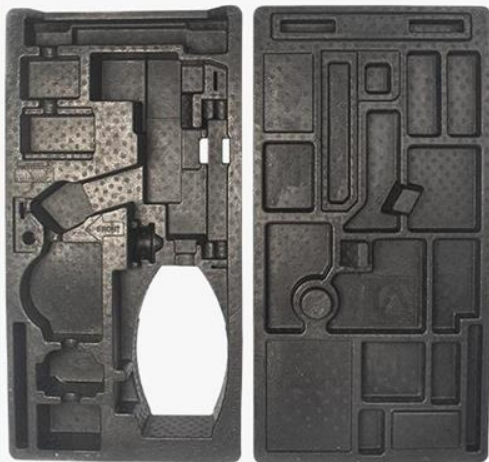
Jack Mounting Tray



Fenders



Fenders



Bomb Detector Packaging



Landmine Packaging



Hand Launcher Packaging

Considering its properties, EPP Foam can also be used as reusable packaging, or dunnage, for heavy products by replacing wood and EPS

ADVANTAGES



Increases product safety as it can withstand multiple shocks



Increases packing efficiency



Saves packaging cost per component



Reduces weight



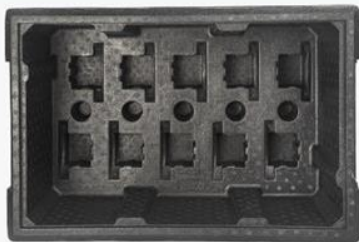
Makes handling easier and reduces fatigue



Good resistance to chemicals



Environment friendly as no CFC gases



Fuel Injector Packaging



Camshaft Packaging



BHARAT FORGE



NOKIA



SIPL



The image features three overlapping five-pointed stars in a medium blue color, set against a solid dark blue background. The stars are arranged in a triangular pattern: one at the top center, one at the bottom left, and one at the bottom right. The word "ROTOMOULDING" is centered horizontally across the middle of the image, overlaid on the stars.

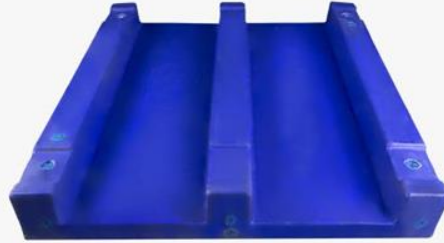
ROTOMOULDING

- We make custom moulded products for various sectors like Agriculture, Automotive, Chemicals, Consumer Durables, Exhibition, Food and Beverage, Marine, Material Handling and Solar Energy
- We manufacture several proprietary products, including an extensive range of sanitation products. These proprietary products are exported world-wide to international aid agencies such as UNICEF, MSF, ACF and IFRC
- We have our own brand of rotomoulded tanks, pallets, insulated tubs and floats
- We have two 4-arm rotational moulding machines with gas fired burners and swing diameters of 2,200 mm and 4,000 mm respectively
- Our total manufacturing capacity is approximately 350 MT per month
- We also have a facility for PU foaming with soft and hard foam, and a facility for EPS filling in rotationally moulded components

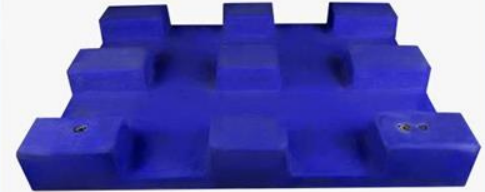




Pallet Top



2 Way Pallet



4 Way Pallet with 9 Legs



Pallet Top



4 Way Pallet with Skids



60 Litre Insulated Box



100 Litre Insulated Box



Landmine Packaging Box



Rifle Launcher Packaging Box



Squatting Slab



Squatting Slab with Sitting Toilet



Squatting Slab with Pan



Syringe Collection Container



Excavator Roof



Excavator Instrument Panel



Tractor Mounted Pesticide Tank



Solar Water Heater Tank



Pipe Meter



Inner Body of 99.5 Litre
Medical Refrigerator



Pontoons



500 Litre Water Tank



WASTE TREATMENT DIVISION (WTD)

The DRDO Bio-Digester consists of two parts:

- A specially designed and manufactured Bio-Digester Tank - in rotationally moulded LLDPE or fibreglass
- Anaerobic Microbial Inoculum (AMI) - the bacterial component



Biogas outlet

Bio-Digester tank

Waste water inlet from toilet

Treated water outlet



★ Two stage treatment process:

- Anaerobic digestion using a Bio-Digester to treat the sewage. Effluent suitable for use in irrigation, gardening, civil construction, etc.
- Optional secondary treatment making the effluent comply with CPCB norms. Effluent suitable for flushing toilets, etc.

★ Low on investment. High on performance. Very low running cost

★ Minimal maintenance with only one-time addition of inoculum

★ All sewage/organic matter is 100% bio-digested and gets converted into treated water and gas

★ Ideal for individual households, apartments, commercial establishments, educational institutions, etc.



Easy
installation



100%
Eco-friendly



Guaranteed
results



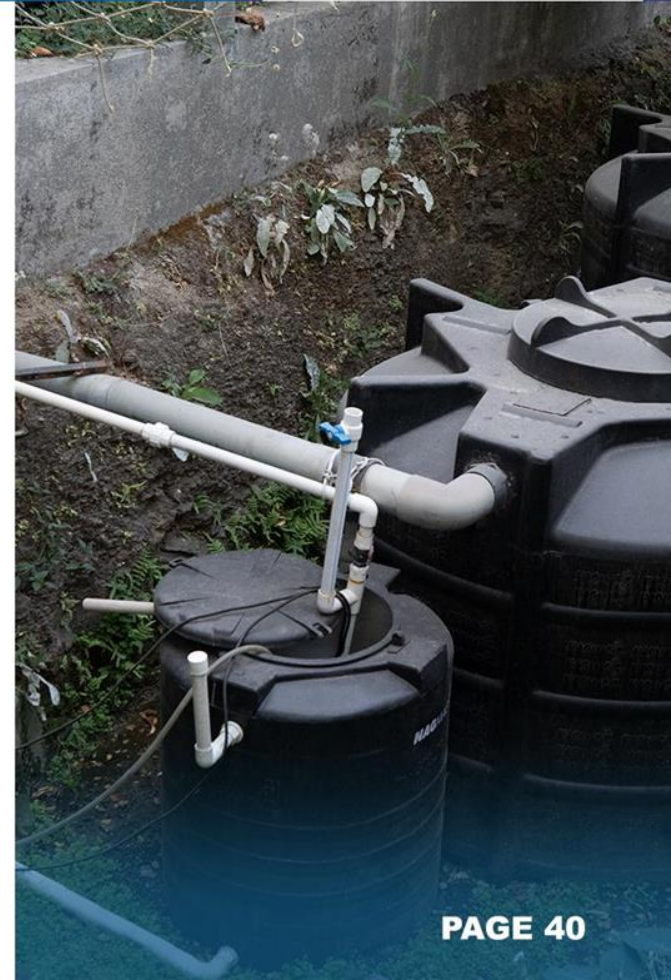
No sludge formation
life long

Sr. No.	Parameter	CPCB/MPCB* Standards For				NagMagic Results Range	
		Inland Surface Water	Public Sewers	Land for Irrigation	Marine Coastal Areas	Bio-Digester Effluent	Bio-STP Effluent
1	Suspended Solids mg/l (max)	100	600	200	100	100 - 150**	30 - 50
2	pH Value	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	6.5 - 7.5	6.5 - 7.5
3	Biochemical Oxygen Demand [3 days at 27°C] mg/l (max)	30	350	100	100	80 - 100	20 - 30
4	Chemical Oxygen Demand mg/l (max)	250	-	250	250	180 - 200	40 - 50

* CPCB: Central Pollution Control Board, MPCB: Maharashtra Pollution Control Board

** Inorganic suspended solids are a function of the input quality of water

- The monthly average running/operating cost of a 5 KLD (kilolitres per day) conventional STP is **Rs. 5.70 - Rs. 6.30 per litre**
- The monthly average running/operating cost of a 5 KLD NagMagic Bio-STP is **Rs. 0.55 - Rs. 0.65 per litre**
- The tanks for the Bio-STP systems are available in both rotational moulding and FRP
- The smallest system available can be used by 4 to 6 users in a domestic setting and 8 to 12 users in an industrial setting
- Theoretically, there is no upper limit for the number of users for a Bio-Digester tank

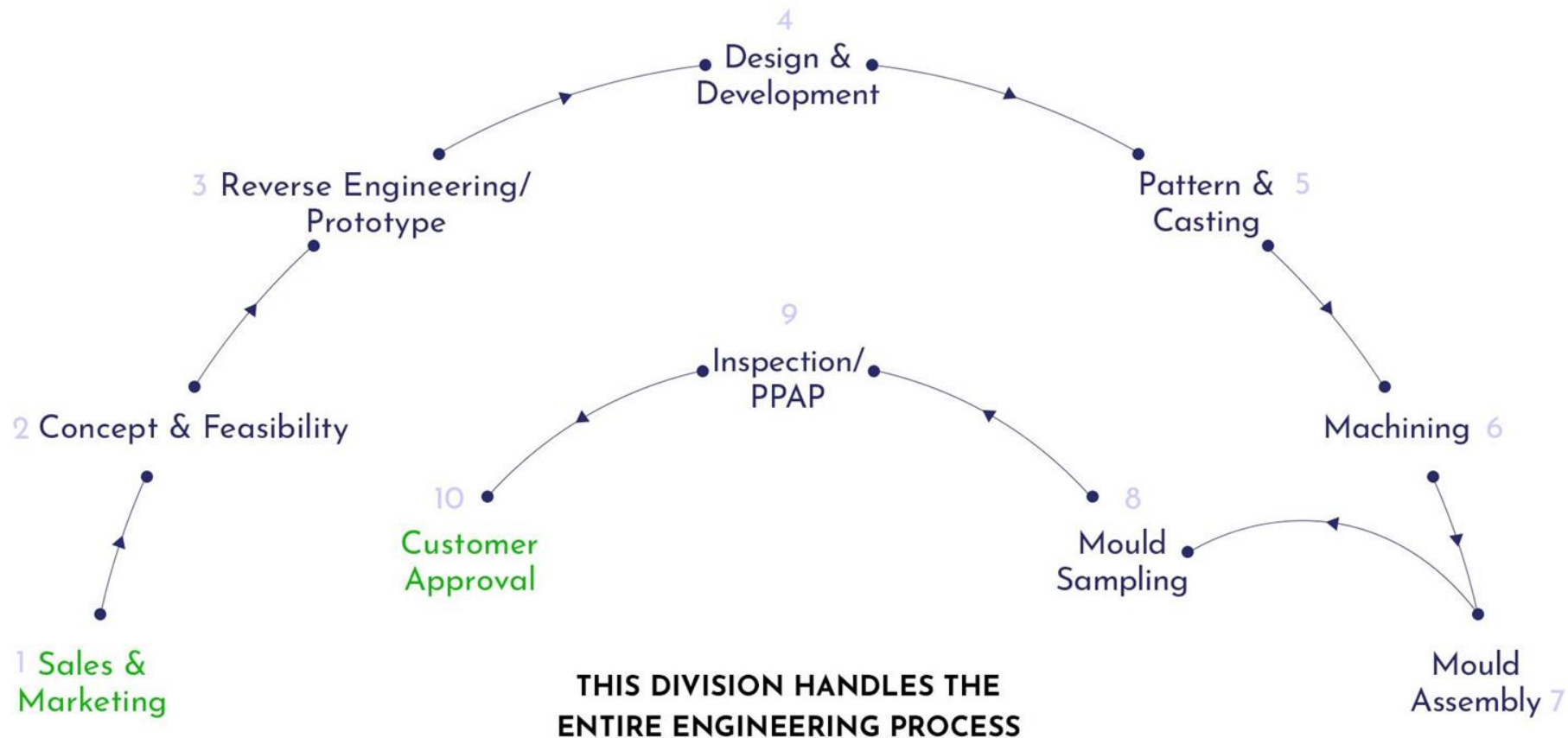




ENGINEERING SUPPORT DIVISION (ESD)

- Provides end-to-end engineering support to all our plastic processing plants
- Well-equipped centralised Tool Room located at Urse (Pune)
- Almost all activities are carried out in-house, giving the company complete control over the entire tool making process







Handmade Prototype



Partly Machined and
Partly Handmade Prototype



QUALITY FOCUS

CERTIFICATE • CERTIFICADO • CERTIFIKAT • 証明書



CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that

K.K. Nag Pvt. Ltd.
Gat No. 393, At & Post Urse, Tal. Maal
Dist. Pune - 410506
India

has established and applies
a Quality Management System for

**Design, Manufacture and Sales of Expanded Polypropylene (EPP),
Expanded Polystyrene (EPS), Picoelan (EPO) and other
Foamed Plastics Moulded Packaging Products & Components,
Manufacture and Sales of Bio-Digester Tanks.**

An audit was performed, Order No. 4130501954
Proof has been furnished that the requirements
according to

ISO 9001:2015
are fulfilled.

The certificate is valid from 2021-08-16 until 2024-08-09.
Certificate Registration No.: 12 100 30056/01 TMS




Head of Certification Body
March 2021-08-16

TÜV SÜD Management Service GmbH • Zertifikatsstelle • Referenznummer TÜV • 80333 München • Germany
www.tuv-sud.com/certificate-validation

ISO 9001:2015

CERTIFICATE • CERTIFICADO • CERTIFIKAT • 証明書



CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that

NAGMAGIC
K.K. Nag Pvt. Ltd.
Gat No. 393, At & Post Urse, Tal. Maal
Dist. Pune - 410 506, INDIA

including the sites and scope of application see enclosure

has implemented Environmental Management System
in accordance with **ISO 14001:2015**
for the scope of

**Design, Manufacture, Marketing & Sales of Expanded Polypropylene
(EPP), Expanded Polystyrene (EPS), Picoelan (EPO) and other Foamed
Plastics Shape Moulded Packaging Products and Components,
Manufacture, Marketing and Sales of Bio-Digester Tanks.**

The certificate is valid from 2021-08-20 until 2024-08-19
Subject to successful completion of annual periodic audits
The present status of this Certificate can be obtained on www.tuv-sud.com
Further distribution regarding the scope of this certificate may be obtained by contacting the certification body

Certificate Registration No. 99 104 00844
Date of Initial certification : 2009-08-20
Issue Date: 2021-08-11 Rev. 00




Head of Certification Body
of TÜV SÜD South Asia Private Limited, Mumbai
Member of TÜV SÜD Group
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ISO 14001:2015

CERTIFICATE • CERTIFICADO • CERTIFIKAT • 証明書



CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that

NAGMAGIC
K.K. Nag Pvt. Ltd.
Gat No. 393, At & Post Urse, Tal. Maal
Dist. Pune - 410 506, INDIA

including the sites and scope of application see enclosure

has implemented Occupational Health and Safety Management System
in accordance with **ISO 45001:2018**
for the scope of

**Design, Manufacture, Marketing & Sales of Expanded Polypropylene
(EPP), Expanded Polystyrene (EPS), Picoelan (EPO) and other Foamed
Plastics Shape Moulded Packaging Products and Components,
Manufacture, Marketing and Sales of Bio-Digester Tanks.**

The certificate is valid from 2021-08-20 until 2024-08-19
Subject to successful completion of annual periodic audits
The present status of this Certificate can be obtained on www.tuv-sud.com
Further distribution regarding the scope of this certificate may be obtained by contacting the certification body

Certificate Registration No. 99 117 00552
Date of Initial certification : 2009-08-20
Issue Date: 2021-08-11 Rev. 00





Head of Certification Body
of TÜV SÜD South Asia Private Limited, Mumbai
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ISO 45001:2018

CERTIFICATE • CERTIFICADO • CERTIFIKAT • 証明書



CERTIFICATE

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of TÜV SÜD Management Service GmbH
certifies that

K.K. Nag Pvt. Ltd.
Gat No. 393, At & Post Urse, Tal. Maal
Dist. Pune - 410506
India



has established and applies
a Quality Management System for

**Manufacturing of Expanded Polypropylene (EPP),
Expanded Polystyrene (EPS) and Picoelan (EPO) Foamed Plastics products
without Product Design as per Chapter 8.3.**

An audit was performed and has furnished proof
that the requirements according to

IATF 16949
First Edition 2016-10-01
are fulfilled.

Issue date: 2021-06-10
Expiry date: 2024-06-09
Certificate Registration No.: 12 111 30056/01 TMS
IATF Certificate No.: 0405046
Part of the certificate is an appendix.

Head of Certification Body
March 2021-06-10

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IATF 16949:2016

Our company's success stems from our commitment to high quality standards that we have maintained since our inception

We have a very robust system of reviews from the apex corporate level down to the shop-floor level

We strive to make continuous improvement a way of life

We are a system driven company

Total Quality Management (TQM) is the guiding philosophy of our company

We have won several awards for the quality of our products, even against international competition



2016

GODREJ & BOYCE
VALUED PARTNER EPS MOULDING

2016

WHIRLPOOL OF INDIA LTD
QUALITY EXCELLENCE AWARD

2017

WHIRLPOOL OF INDIA LTD
QUALITY EXCELLENCE AWARD

2019

GODREJ & BOYCE
BEST SUPPLIER - GREEN CHAIN
SUPPLY AWARD

2016, 2017, 2018, 2019, 2020

TOYOTA KIRLOSKAR MOTOR
ZERO PPM - ZERO DEFECT SUPPLIES

2016

TOYOTA KIRLOSKAR MOTOR
OPERATION SUCCESS CERTIFICATE

2017

LG ELECTRONICS
BUSINESS EXCELLENCE - SAFETY AWARD

2018

CII-SOHRABJI GODREJ GBC
GREENCO BRONZE AWARD

2019

QUALITY CIRCLE FORUM OF INDIA
GOLD AWARD

2016, 2017, 2018, 2019, 2020

TOYOTA KIRLOSKAR MOTOR
QUALITY CERTIFICATE

2016

TOYOTA KIRLOSKAR SUPPLIERS ASSOCIATION
BRONZE AWARD AT THE QUALITY
CIRCLE COMPETITION

2017

LG ELECTRONICS
SAFETY AWARD

2018

QUALITY CIRCLE FORUM OF INDIA
BRONZE AWARD

2018, 2019, 2020

TOYOTA KIRLOSKAR MOTOR
DELIVERY CERTIFICATE

2021

TOTO INDIA INDUSTRIES PVT. LTD
APPRECIATION AWARD

The image features three overlapping five-pointed stars in a medium blue color against a dark blue background. The stars are arranged in a triangular pattern, with one star at the top and two below it, slightly offset to the left and right. The text "PEOPLE FOCUS" is centered horizontally and partially overlaid by the middle star.

PEOPLE FOCUS

- “Once a person joins the company, he or she should not only become an employee of the company, but should also become a member of the K. K. Nag family. It is our responsibility to encourage and help people grow” – an excerpt from the company philosophy

- We have a highly experienced and devoted team with long years of service (the longest tenure to date is 42 years and 5 months)

- Many members of the leadership team joined the company at the start of their careers and worked themselves up the ladder

- Every individual is expected to act as an HR Manager and is responsible for the welfare of his or her subordinates

- The Management and the Union share an excellent relationship – our goals and objectives are completely aligned



- We have adopted the local school in Urse village, "Shri Padmavati Vidya Mandir"
- We have provided them with computers, built a science laboratory and regularly donate laboratory equipment
- We also organise eye check-ups and other health initiatives for the students
- We provide transportation to take students for their examinations that are conducted at remote centres
- Students are provided help and guidance for their overall development



Shri Padmavati Vidya Mandir School



Inauguration of Science Lab



NCL faculty demonstrating science experiments



Lab equipment provided



Benches for primary classes



Buses to take students for their exams



Free eye check-up



The Nag Foundation is a non-governmental organisation that was established by K. K. Nag Pvt. Ltd in 1989



When it was first established, the Nag Foundation played a major role in promoting local artists and art in Pune



The foundation changed its mandate to Cancer Care, Research and Education in 2011

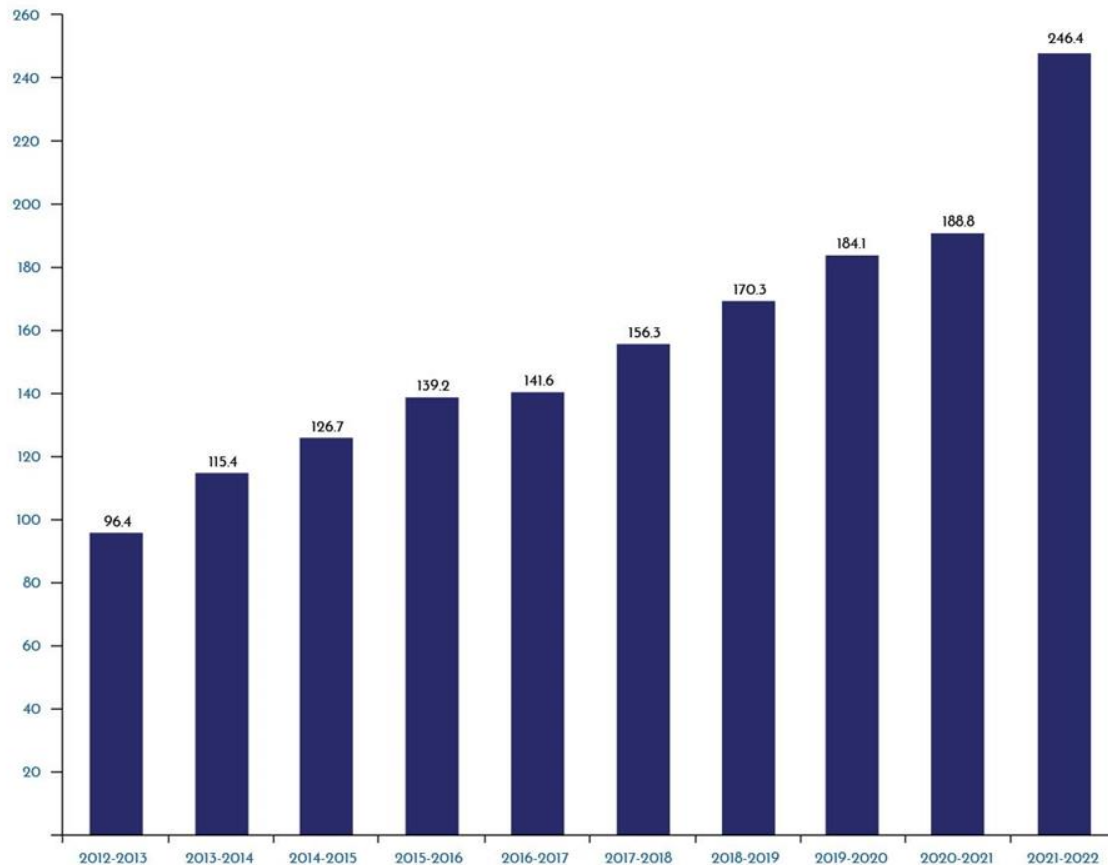


The foundation's primary focus is "Promoting Excellence in Cancer Care through Education, Research, Advocacy & Support"





SALES FIGURES





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Fax: +91 20 2615 3180

Email: sales@kknag.com



Corporate Office:

371/A North Main Road

Koregaon Park

Pune - 411001, Maharashtra, India



Corporate Film

Please watch our corporate film to know more about us, our ethos, and our culture

To do so, please click on the link given below, or copy it and paste it in your browser window

<https://vimeo.com/257067627>

When prompted for a Password, please use the following

Nagmagic@12345 (please note that the password is case sensitive)



THANK YOU!