

BEYOND INDUSTRY INTO LIVES



PRODUCT CATALOGUE

STAINLESS STEEL WIRE RODS AND WIRES

STAINLESS STEEL WIRE RODS AND WIRES:

This division is engaged in manufacturing stainless steel wire rods and wires. The quality of our product is well established in the international market.

Wires manufactured in this division are mainly used in industries like ship building, medical, agriculture, springs, vineyard, chemical, petroleum, automobile, weaving, braiding, fasteners, food processing, paper mills, welding electrodes and house hold applications.

The division is capable of producing wire rods in extensive size ranges from 5.5 mm to 39.5 mm and wires from 0.09 mm to 15 mm.

Our wire rod division is well equipped with a fully automatic wire rod mill and solution annealing, soft annealing & pickling plants with high end automation facilities, and proven quality standards.

Our wires division is well-equipped for producing high quality products having in-house facilities for solution annealing, bright annealing (continuous strand annealing), dry and wet wire drawing, high speed drawing, medium wire pattern laying, fine wire spooling, layer winding, random winding, TIG wire straightening, and cutting facilities.

GRADES:

ASTM:

201, 202, 204Cu, 301, 302, 303, 304, 304Cu, 304HC, 304L, 304H, 310, 310S, 312, 314, 316, 316L, 316LN, 316Ti, 316LCu, 321, 410, 420, 430, 430L

DIN/EN:

1.4301, 1.4306, 1.4307, 1.4310, 1.4401, 1.4404, 1.4567, 1.4841, 1.4842, 1.4541, 1.4845, 1.4570, 1.4571, 1.4578, 1.4597, 1.4362, 1.4370 and 1.4016

Electrode Grades:

ER304, ER304L, ER307, ER307Si, ER308, ER308L, ER308LSi, ER310, ER316, ER316L, ER316LSi, ER347, ER347Si, ER309, ER309L, ER430, ER420

*Specialized Grades - As per customer's requirements

SPECIFICATIONS:

As per ASTM, DIN, BS, JIS, NACE, AWS, GOST, etc. international standards and customer specific requirements.

PRODUCT RANGE AND SIZES:

Description	Size Range
Medium/Thick wire	0.80 to 16.00 mm
Welding wire	MIG – 0.8 to 2.4 mm, TIG – 0.80 to 5.0 mm, Core wire – 2.0 to 5.0
Cold heading wire	2.00 to 16.00 mm
Fine wire	0.09 to 0.70 mm
Electro polish wire	1.0 to 12.0 mm
Spring wire	0.10 to 12.0 mm
Rope wire	0.10 to 4.0 mm
Redraw wire	0.70 to 5.0 mm
Tie wire (soft range)	0.7 to 4.0 mm
Tie wire (bright drawn)	1.60 to 4.0 mm
Nail wire	1.50 to 16.0 mm
Conveyor belt wire	1.60 to 4.0 mm

A. GMAW (MIG) - GAS METAL ARC WELDING WIRE



MIG wire bright drawn bright finish / soap drawn (de-coated) matte finish in precision layer wound spools

Sr.No.	Sizes (Inches)	Sizes (mm)	SD 200 Plastic Spools	SD 300 Plastic Spools	K 300 Metallic Basket Spools
1	0.0300"	0.800			
2	0.0350"	0.900			
3	0.0400"	1.000			
4	0.0450"	1.200			
5	0.0620"	1.400			

- Spools packed in cardboard boxes, finally packed in wooden boxes / pallets
- We also offer customised packing and labelling solutions as per customer requirements and drawings

B. GTAW (TIG) - GAS TUNGSTEN INERT ARC WELDING WIRE

Tig Wire Bright Drawn Bright Finish in cut length 13-79 inches / 350 - 2000 mm

Sr.No.	Sizes (Inches)	Sizes (mm)	Plastic Tubes	Packing Type5 tubes in one corrugated box 1000 lbs / 500kgs wooden box
1	0.0300"	0.800		
2	0.0350"	0.900		
3	0.0400"	1.000		
4	0.0450"	1.200		
5	0.0620"	1.600		
6	0.0800"	2.000		
7	0.0930	2.400		
8	0.1250"	3.200		
9	0.1560"	4.000		
10	0.1771"	4.500		

- Tubes packed in cardboard boxes, finally packed in wooden boxes / pallets
- We also offer customised packing and labelling as per customer requirements
- Grade and size embossed on both the sides of box for sizes 1.60 mm (0.062") and above
- Customised marking such as: heat no., brand name, batch no., etc. possible on request

C. SAW - SUBMERGED ARC WELDING WIRE

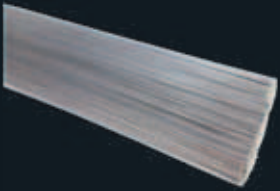


SAW wire bright drawn bright finish / soap drawn (de-coated) matte finish in precision layer wound spools

Sr.No.	Sizes (Inches)	Sizes (mm)	Layer wound coils
1	0.0620"	1.600	
2	0.0800"	2.000	
3	0.0930"	2.400	
4	0.1250"	3.200	
5	0.1560"	4.000	
6	0.1875"	5.000	

- Spools packed in cardboard boxes, finally packed wooden boxes / pallets
- We also offer customised packing and labelling as per customer requirements and drawings

D. MMAW - Manual Metal Arc Welding Wire

MMAW wire bright drawn bright finish in cut length / coils

Sr.No.	Sizes (Inches)	Sizes (mm)	Cut Length	Continuous Coil	Loose Coils
1	0.0620"	1.600			
2	0.0800"	2.000			
3	0.0930"	2.400			
4	0.1250"	3.200			
5	0.1560"	4.000			
6	0.1875"	5.000			
			300, 350, 1000, 2000 mm 12", 14", 40", 79" Inch	600 ~ 2000 lbs 300 ~ 1000 kgs	200 ~ 600 lbs 100 ~ 300 kgs

- We also offer customised packing and labelling as per customer requirements and drawings

Annealed/Soft Wire:

Size: 0.09 – 10.00 mm.

Packing: SPOOL, Loose Coil, Drum, Tube, Continuous Coil

Sizes	Type of Packing		
0.09 – 0.70 mm	SPOOL DIN125, DIN160, DIN200, DIN250		
0.71 – 10.00 mm	Loose Coil		
0.80 – 1.60 mm	Drum, Tube & Carrier		

Spring Hard Wire

Size 0.09 – 12.00 mm

Packing: Loose Coil, Invertor Coil, Metal Spool, Plastic Spool

Sizes	Type of Packing	
0.09 – 0.70 mm	SPOOL DIN125, DIN160, DIN200, DIN250	
0.71 – 12.00 mm	Loose Coil	
0.40 – 3.00 mm	Metal Spool DIN560, DIN760	



Bright Drawn Wire

Size 0.09 – 16.00 mm

Sizes	Type of Packing	
0.09 – 0.70 mm	SPOOL DIN125, DIN160, DIN200, DIN250	
0.71 – 16.00 mm	Loose Coil	

Bright Drawn Wire

Size 0.09 – 16.00 mm

Sizes	Type of Packing	
1.80 – 4.00 mm	Continuous Coil	
2.00 – 12.00 mm	ESPOOL/LESPOOL	

Nickel Coated Wire

Sr. No.	Sizes mm	Type of Packing
1	0.40 – 0.65	
3	0.70 – 1.60	
5	1.60 – 3.00	

Supply Conditions:

Wires: Soft finish wires with matte or bright condition, 1/8 hard, 1/4 hard (suitable for electro polish quality), 1/2 hard, 3/4 hard, full hard with coated or de-coated condition.

Types of Packaging:

- M.S. carrier packaging
- Pattern layered coils packaging
- Basket spools packaging
- Packing in corrugated boxes
- Carton case packaging
- Euro coil packaging
- Spools packaging
- Packing in spiral corrugated tubes
- Packing in corrugated drums
- Mill coil packaging



Testing Facilities:

- Computerised tensile testing machine (capacity range 20 kg to 40 ton)
- Bend testing, wrap testing, torsion testing machine
- Hardness testing machine
- Microscope with image analyser with micro photo facilities
- IGC test facilities
- Cold upset test facility
- PMI tester (Niton gun X-ray analyser)
- Spectro and Leco analysers for chemical composition-optical emission spectro and gas analysers
- Radioactive contamination testing



Applications of Wires:

Wires: Soft finish wires with matte or bright condition, 1/8 hard, 1/4 hard (suitable for electro polish quality), 1/2 hard, 3/4 hard, full hard with coated or de-coated condition.

Product	Applications
Welding wire	For electrode core wire, submerged arc welding wire, TIG and MIG welding wire
Cold heading wire	For nut, bolt, tapping screws, machine screw, Philip head screws, wood screw, screw cross head
Weaving/braiding/knitting wire	For meshes, nets, screens, conveyer belts, kitchen appliances, wire cloths
Electro polish wire	For pet cages, kitchen ware, grill racks, decorative handles, wire baskets
Spring wire	For corrosion resistant springs, heat resistant springs, electronic and electrical appliance
Rope wire	For corrosion and wear resistant wire ropes
Redraw wire	For further drawing into fine and superfine wires
Tie wire	For fastening cables, garden wattles, wattled walls, fencing
Staple wire	For corrosion resistant industrial staple
Nail wire	For corrosion resistant nails

CERTIFICATE

TÜV NORD

Management system as per
ISO 9001 : 2008

In accordance with TÜV NORD CERT procedures, it is hereby certified that

**VIRAJ PROFILES LTD.
WIRE DIVISION
G-1/2, 1/3, MIDC Industrial Area,
Tarapur, Boisar, Dist. Thane,
India**

applies a management system in line with the above standard for the following scope

Manufacture and Supply of Stainless Steel Wires

Certificate Registration No. 04 100 031210-E3
Audit Report No. 2.5-2373/2002

Valid until **22.07.2015**
Valid from **23.07.2012**
Initial certification **23.07.2003**

S.K. Kulkarni

Certification Body
at TÜV NORD CERT GmbH

Issue **12.07.2012**
Place : **Mumbai**

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langemarckstrasse 20 45141 Essen www.tuev-nord-cert.com



TGA-ZM-07-06-00

TÜV NORD

CERTIFICATE

Certification Body
of TÜV NORD Systems GmbH & Co. KG

certifies, that the company

**M/s. Viraj Profiles Ltd. (Wire Division)
G-1/2, 1/3, MIDC, Tarapur Industrial Area,
Boisar – 401506, Dist. Thane, Maharashtra, India**

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07-203-1423-WP-1418 12 Q

The range of validity and details of the inspection can be taken from
our Letter of Confirmation no. SEK-272/13 Nkp/Cn

The company fulfils the following essential requirements:
Facilities permitting appropriate manufacturing and inspection corresponding to the present
technical standards, quality assurance which guarantees the manufacturing and inspection of products stated
in our scope of approval are carried out in accordance with technical regulations,
competent supervising and inspecting personnel

This certificate is valid until

October 2015

Essen, 19.10.2012



TÜV NORD Systems GmbH & Co. KG – Cert. Power Plant +
Certification Body for Pressure Equipment (Notified Body, Reg. No. 2008)
Ordn. Behörde 31 + 22525 Hamburg
Telephone +49 201 625 2722 • Fax +49 201 625 2858 • E-Mail: cert@tuev-nord.de

www.tuev-nord.de

TÜV NORD

CERTIFICATE

Quality Assurance System
for Material Manufacturer
acc. to Pressure Equipment Directive 97/23/EC

Certificate no.: 07-202-1423 WZ-1418/12 Q

Name and address
of manufacturer: **M/s. Viraj Profiles Ltd. (Wire Division)
G-1/2, 1/3, MIDC, Tarapur Industrial Area,
Boisar – 401506, Dist. Thane, Maharashtra, India**

This is to certify that the manufacturer has implemented and applies a QA System.
This QA System has been subjected to a specific assessment for material acc. to Directive
97/23/EC with regard to the materials mentioned within the scope of approval.

Approved: **QA System acc. to AD2000-Merkblatt W0 and EN 764-5,
sec. 4.2**

Audit report no.: **810 949 3290**

Scope of approval: **Manufacture and Supply of Stainless Steel Wire**
Details of the scope are mentioned in the annex of the
certificate AD2000-Merkblatt W0.

Production site: **G-1/2, 1/3, MIDC, Tarapur Industrial Area,
Boisar – 401506, Dist. Thane, Maharashtra, India**

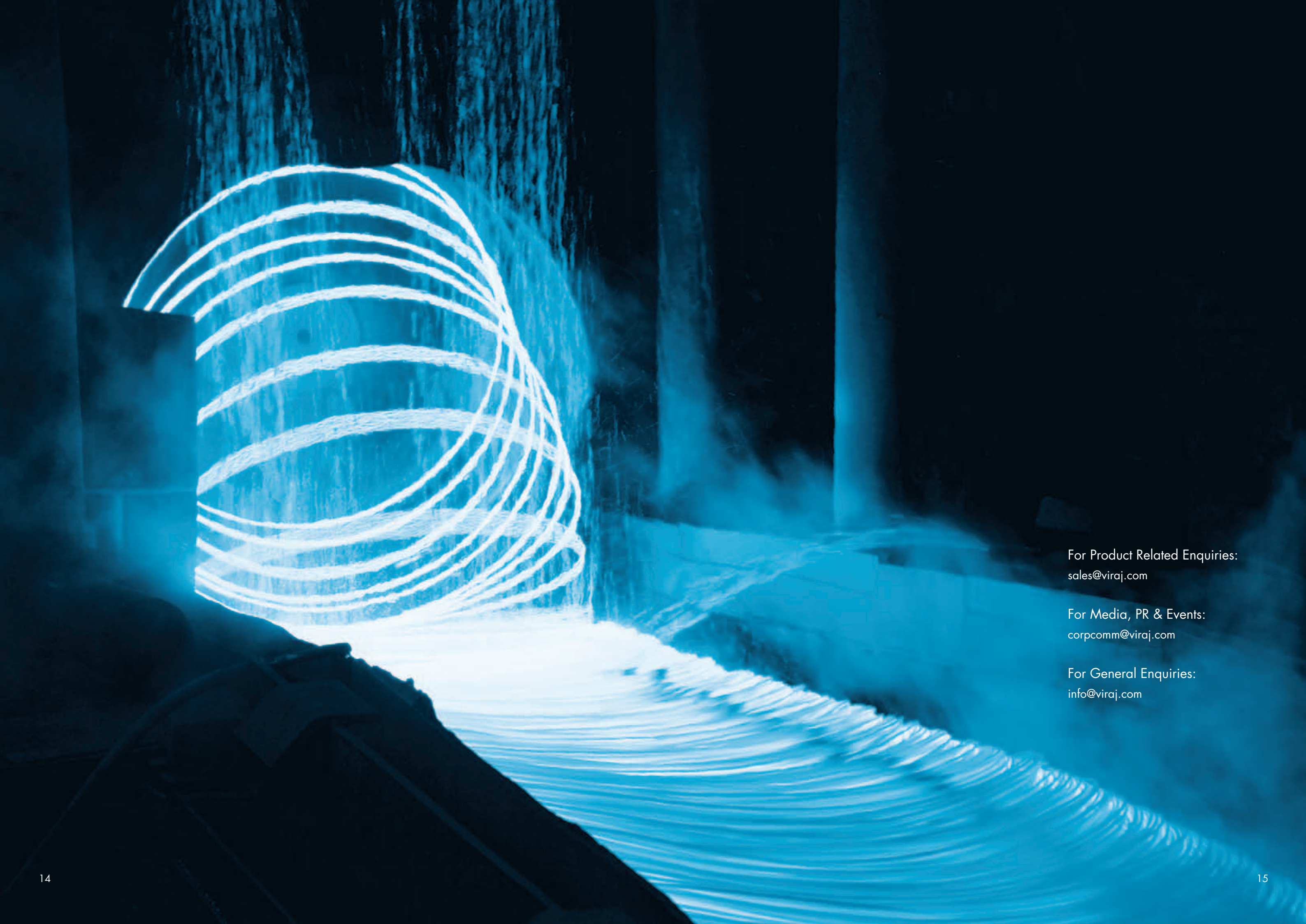
The manufacturer disposes of the essential procedures and equipments as well as the required
qualified personnel to ensure quality of manufacturing and testing the materials and products
mentioned in the scope of approval.

Essen, 19.10.2012



Remark of validity:
Valid until 10/2015
TÜV NORD Systems GmbH & Co. KG
Zertifizierungsstelle für Druckgeräte
Hafenstraße 25/26
Ordn. Behörde 31
22525 Hamburg/Germany
Tel: +49 (0) 201 625 2722
Fax: +49 (0) 201 625 2858
e-mail: cert@tuev-nord.de

Notified body, registration no. 2008
Niekamp



For Product Related Enquiries:
sales@viraj.com

For Media, PR & Events:
corpcomm@viraj.com

For General Enquiries:
info@viraj.com



Corporate Office:

10, Imperial Chambers, 1st Floor Wilson Road, Ballard Estate, Mumbai - 400 038, INDIA
Tel: (+91 22) 2261 3056 / 2261 4284 / 2261 4327 | Fax: (+91 22) 2265 9713

Registered and Marketing Office:

G-34 MIDC Tarapur Industrial Area, Boisar, Dist. Thane, Maharashtra - 401 506, INDIA
Tel: +91(2525) 904 999 1021-28 | Fax: +91(2525) 260 159 / 274 420