



C.R.I. PIPES

Quality in every inch

ONE STOP PIPING SOLUTION





Vision, Mission and Values

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **Commitment, Reliability** and **Innovation**.



ABOUT C.R.I.



C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.



60+ Years
of Engineering
Expertise



120+ Countries
have our strong
global presence



21+
Manufacturing Units
around the World



30000+ Outlets
to serve our
Customers



9000+
Products for various
applications



1500+
Service Centres to
support our Customers



18 Times
EEPC Award Winner
for Export Excellence



8 Times
NEC Award Winner
for Energy Savings



**Fludyn Advanced
Technology Centre**
Recognized by Ministry of
Science & Technology,
Govt. of India.

C.R.I. PIPES - C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality PVC, UPVC, CPVC Pipes & Fittings. The plants are empowered with fully automated machines that control the manufacturing process.

C.R.I. WIRES & CABLES - C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

C.R.I. SOLAR PUMPING SYSTEM - C.R.I. manufactures sustainable Solar Pumping Systems designed to work with best in class efficiency. With this C.R.I. emphasizes its focus towards greener technology.



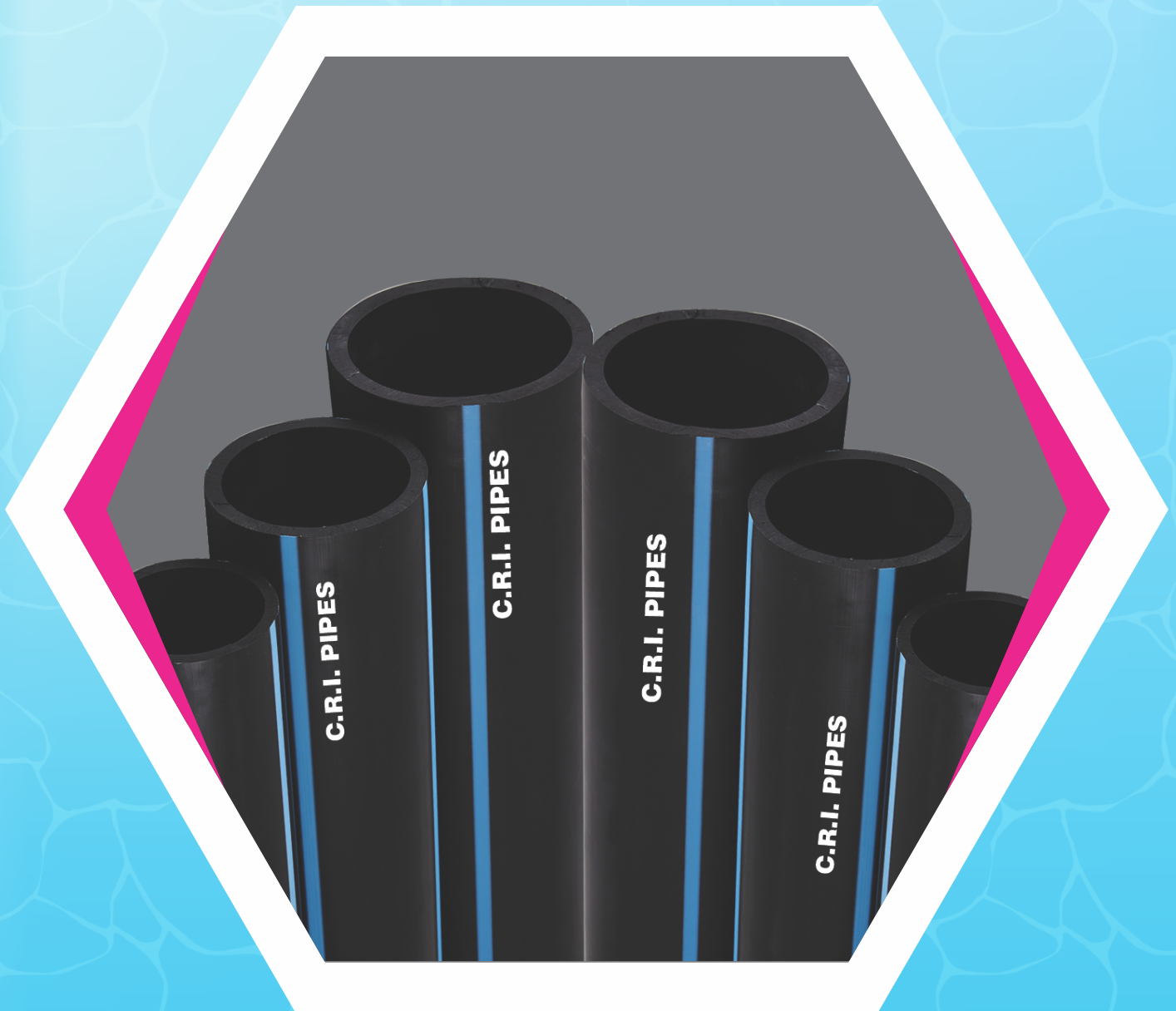
HDPE PIPES - HIGH DENSITY POLYETHYLENE

PE 63, PE 80 & PE 100 for potable water supply, agri & sprinkler irrigation

HDPE pipes are manufactured as per IS 4984:2016 standard available in 20mm to 630mm sizes in different pressure classes are used to carry potable water in domestic, rural & agriculture pipe lines. These pipes are available in PN2.5 to PN16 pressure class in PE63, PE80, and PE100 grade and are manufactured according to Indian standards.

FEATURES

- Non-Toxic & Hygienic
- Corrosion resistance
- Maintenance free
- Strong, Flexible & Light weight
- Smooth surface



STANDARD LENGTH FOR VARIOUS SIZES	Sizes in mm (OD)	PN-Kgf/cm ²	Length per roll
	20, 25, 32, 40 & 50	6kg, 8kg, & 10kg	300mtr to 1000mtr
	63 & 75	4kg, 6kg, 8kg & 10kg	200mtr to 500mtr
	90	4kg, 6kg, 8kg & 10kg	100mtr to 200mtr
	110	4kg, 6kg, 8kg & 10kg	6mtr & 100mtr

TECHNICAL DETAILS

Dimensions and pressure rating chart for HDPE Pipes PE63 as per IS 4984:2016

Nominal Outside Diameter (Nominal Size)	(SDR 41) PN 2		(SDR 33) PN 2.5		(SDR 26) PN 3.2		(SDR 21) PN 4		(SDR 17) PN 5		(SDR 13.6) PN 6		(SDR 11) PN 8	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	-	-	-	-	-	-	-	-	-	-	-	-	1.9	2.2
25	-	-	-	-	-	-	-	-	-	-	1.9	2.2	2.3	2.6
32	-	-	-	-	-	-	-	-	1.9	2.2	2.4	2.7	2.9	3.3
40	-	-	-	-	-	-	1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2
50	-	-	-	-	2.0	2.3	2.4	2.7	3.0	3.4	3.7	4.2	4.6	5.2
63	-	-	-	-	2.5	2.9	3.0	3.4	3.7	4.2	4.7	5.3	5.8	6.5
75	1.9	2.2	2.3	2.6	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.9	7.7
90	2.2	2.5	2.8	3.2	3.5	4.0	4.3	4.8	5.3	5.9	6.7	7.5	8.2	9.1
110	2.7	3.1	3.4	3.8	4.3	4.8	5.3	6.0	6.5	7.3	8.1	9.0	10.0	11.1
125	3.1	3.5	3.8	4.3	4.8	5.4	6.0	6.7	7.4	8.2	9.2	10.2	11.4	12.7
140	3.5	4.0	4.3	4.8	5.4	6.0	6.7	7.5	8.3	9.2	10.3	11.4	12.8	14.2
160	3.9	4.4	4.9	5.5	6.2	6.9	7.7	8.6	9.5	10.6	11.8	13.1	14.6	16.2
180	4.4	4.9	5.5	6.2	7.0	7.8	8.6	9.6	10.6	11.8	13.3	14.7	16.4	18.1
200	4.9	5.5	6.1	6.8	7.7	8.6	9.6	10.7	11.8	13.1	14.7	16.3	18.2	20.1
225	5.5	6.2	6.9	7.4	8.7	9.7	10.8	12.0	13.3	14.7	16.6	18.4	20.5	22.7
250	6.1	6.8	7.6	8.5	9.7	10.8	12.0	13.3	14.7	16.3	18.4	20.3	22.8	25.2
280	6.9	7.7	8.5	9.5	10.8	12.0	13.4	14.8	16.5	18.3	20.6	22.8	25.5	28.2
315	7.7	8.6	9.6	10.7	12.2	13.5	15.0	16.6	18.6	20.6	23.2	25.6	28.7	31.7
355	8.7	9.7	10.8	12.0	13.7	15.2	16.9	18.7	20.9	23.1	26.1	28.8	32.2	35.6
400	9.8	10.9	12.2	13.5	15.4	17.0	19.1	21.1	23.6	26.1	29.5	32.6	36.4	40.1
450	11.0	12.2	13.7	15.2	17.3	19.1	21.5	23.8	26.5	29.3	33.1	36.5	40.9	45.1
500	12.2	13.5	15.2	16.8	19.3	21.3	23.9	26.4	29.5	32.6	36.8	40.6	45.5	50.2
560	13.7	15.2	17.0	18.8	21.6	23.9	26.7	29.5	33.0	36.4	41.2	45.4	50.9	56.1
630	15.4	17.0	19.1	21.1	24.3	26.8	30.0	33.1	37.1	40.9	46.4	51.1	57.3	63.1

Note : Pressure Rating in : kg/cm² (10m = 1kg/cm²)

TECHNICAL DETAILS

Dimensions and pressure rating chart for HDPE Pipes PE80 as per IS 4984:2016

Nominal Outside Diameter (Nominal Size)	(SDR 41) PN 2.5		(SDR 33) PN 3.2		(SDR 26) PN 4		(SDR 21) PN 5		(SDR 17) PN 6	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	1.90	2.20
40	-	-	-	-	-	-	1.90	2.20	2.40	2.70
50	-	-	-	-	2.00	2.30	2.40	2.70	3.00	3.40
63	-	-	-	-	2.50	2.90	3.00	3.40	3.70	4.20
75	1.90	2.20	2.30	2.60	2.90	3.30	3.60	4.10	4.50	5.10
90	2.20	2.50	2.80	3.20	3.50	4.00	4.30	4.80	5.30	5.90
110	2.70	3.10	3.40	3.80	4.30	4.80	5.30	6.00	6.50	7.30
125	3.10	3.50	3.80	4.30	4.80	5.40	6.00	6.70	7.40	8.20
140	3.50	4.00	4.30	4.80	5.40	6.00	6.70	7.50	8.30	9.20
160	3.90	4.40	4.90	5.50	6.20	6.90	7.70	8.60	9.50	10.60
180	4.40	4.90	5.50	6.20	7.00	7.80	8.60	9.60	10.60	11.80
200	4.90	5.50	6.10	6.80	7.70	8.60	9.60	10.70	11.80	13.10
225	5.50	6.20	6.90	7.70	8.70	9.70	10.80	12.00	13.30	14.70
250	6.10	6.80	7.60	8.50	9.70	10.80	12.00	13.30	14.70	16.30
280	6.90	7.70	8.50	9.50	10.80	12.00	13.40	14.80	16.50	18.30
315	7.70	8.60	9.60	10.70	12.20	13.50	15.00	16.60	18.60	20.60
355	8.70	9.70	10.80	12.00	13.70	15.20	16.90	18.70	20.90	23.10
400	9.80	10.90	12.20	13.50	15.40	17.00	19.10	21.10	23.60	26.10
450	11.00	12.20	13.70	15.20	17.30	19.10	21.50	23.80	26.50	29.30
500	12.20	13.50	15.20	16.80	19.30	21.30	23.90	26.40	29.50	32.60
560	13.70	15.20	17.00	18.80	21.60	23.90	26.70	29.50	33.00	36.40
630	15.40	17.00	19.10	21.10	24.30	26.80	30.00	33.10	37.10	40.90

Note : Pressure Rating in : kg/cm² (10m = 1kg/cm²)

TECHNICAL DETAILS

Dimensions and pressure rating chart for HDPE Pipes PE100 as per IS 4984:2016

Nominal Outside Diameter (Nominal Size)	(SDR 21) PN 6		(SDR 17) PN 8		(SDR 13.6) PN 10		(SDR 11) PN 12.5		(SDR 9) PN 16	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	-	-	-	-	-	-	1.90	2.20	2.30	2.60
25	-	-	-	-	1.90	2.20	2.30	2.60	2.80	3.20
32	-	-	1.90	2.20	2.40	2.70	2.90	3.30	3.60	4.10
40	1.90	2.20	2.40	2.70	3.00	3.40	3.70	4.20	4.50	5.10
50	2.40	2.70	3.00	3.40	3.70	4.20	4.60	5.20	5.60	6.30
63	3.00	3.40	3.70	4.20	4.70	5.30	5.80	6.50	7.00	7.80
75	3.60	4.10	4.50	5.10	5.60	6.30	6.90	7.70	8.40	9.30
90	4.30	4.80	5.30	5.90	6.70	7.50	8.20	9.10	10.00	11.10
110	5.30	6.00	6.50	7.30	8.10	9.00	10.00	11.10	12.30	13.60
125	6.00	6.70	7.40	8.20	9.20	10.20	11.40	12.70	13.90	15.40
140	6.70	7.50	8.30	9.20	10.30	11.40	12.80	14.20	15.60	17.30
160	7.70	8.60	9.50	10.60	11.80	13.10	14.60	16.20	17.80	19.70
180	8.60	9.60	10.60	11.80	13.30	14.70	16.40	18.10	20.00	22.10
200	9.60	10.70	11.80	13.10	14.70	16.30	18.20	20.10	22.30	24.60
225	10.80	12.00	13.30	14.70	16.60	18.40	20.50	22.70	25.00	27.60
250	12.00	13.30	14.70	16.30	18.40	20.30	22.80	25.20	27.80	30.70
280	13.40	14.80	16.50	18.30	20.60	22.80	25.50	28.20	31.20	34.40
315	15.00	16.60	18.60	20.60	23.20	25.60	28.70	31.70	35.00	38.60
355	16.90	18.70	20.90	23.10	26.10	28.80	32.30	35.60	39.50	43.60
400	19.10	21.10	23.60	26.10	29.50	32.60	36.40	40.10	44.50	49.10
450	21.50	23.80	26.50	29.30	33.10	36.50	40.90	45.10	50.00	55.10
500	23.90	26.40	29.50	32.60	36.80	40.60	45.50	50.20	55.60	61.30
560	26.70	29.50	33.00	36.40	41.20	45.40	50.90	56.10	62.30	68.60
630	30.00	33.10	37.10	40.90	46.40	51.10	57.30	63.10	70.00	77.10

**Note : Pressure Rating in : kg/cm² (10m = 1kg/cm²)
(Pressure Rating available from PN 3 to PN 20)**

CERTIFICATIONS



CERTIFICATE

Management system as per
ISO 9001 : 2015

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

C.R.I. PUMPS PRIVATE LIMITED
UNIT : KRISGO INDUSTRIES - II
No.431 & 432, Alur Village,
Near Sipcot Phase-II,
Hosur, Tamilnadu – 635 109,
India



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

Manufacture and Supply of PVC Pipes and Accessories.

Certificate Registration No. **44 100 18591932/16**
 Audit Report No. **2-3-499629/16**

SCG

Certification Body
 at TÜV NORD CERT GmbH

Valid until **04.09.2021**


Issue **05.09.2018**
 Place : **Mumbai**

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures & shall be valid subject to regular Surveillance Audits.

TÜV NORD CERT GmbH Langemarkstrasse 20 45141 Essen www.tuv-nord-cert.com

TÜV India Pvt. Ltd., 801, Phejas Plaza – 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India www.tuv-india.com



Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 9 Bahadur Shah Zafar Marg, DELHI 110002

Phone: +91 11 23230131, 23233375, 23234002
 Fax: +91 11 23234062, 232
 E-Mail: info@bis.gov.in
 Web: www.bis.org.in, www.manakonline.in

Date: 06/2017

Our Ref :CML 670005915

Subject: Grant of BIS Certification Marks Licence No 670005915 as per IS 4985:2000

Mr KRISGO INDUSTRIES, UNIT - II
(A UNIT OF C.R.I.PUMPS PVT LTD)
8F No.431&2, ALUR VILLAGE,
HOSUR TALUK,
KRISHNAGIRI,
TAMIL NADU/635109

Dear Sir,

With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following:


Unplasticized PVC Pipes for Potable Water Supplies
Class 1, Size 90 to 250mm Plain & Socketed Solvent Cement jointing
Class 2, Size 63 to 250mm Plain & Socketed Solvent Cement jointing
Class 3, Size 40 to 250mm Plain & Socketed Solvent Cement jointing
Class 5, Size 20 to 250mm Plain & Socketed Solvent Cement jointing and
Plumbing pipes, Size 20mm to 50mm

1. The licence is being granted with the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards referred above.

2. The number assigned to this licence is CML- 670005915 which has been made operative from **02-06-2017** and is valid upto **01-06-2018**. The licence number should invariably be referred to in your future correspondence.

3. According to sub-regulation (2) of Regulation 6 of Bureau of Indian Standards (Certification) Regulation, 1988, the licence fee of Rs Rs. 2000.00 and the marking fee as stipulated in the Second Schedule of this licence is payable by you with effect from 02-06-2017 for the period of validity of the licence. Service tax @ 15.00 % as applicable shall also be charged.

4. Minimum marking fee stipulated therein is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.



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 Web: www.bis.org.in, www.manakonline.in

Date: 06/2017

Our Ref :CML 670005916

Subject: Grant of BIS Certification Marks Licence No 670005916 as per IS 12818.

Mr KRISGO INDUSTRIES, UNIT - II
(A UNIT OF C.R.I.PUMPS PVT LTD)
8F No.431&2, Sumanapalli Road,
Alur Village, Hosur Taluk,
KRISHNAGIRI,
TAMIL NADU,INDIA 635109

Dear Sir,

With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following:


Unplasticized Polyvinyl Chloride (pvc-u)screen And Casing Pipes For Bare/unborewell
CS Pipe DN 150, 175 & 200
CM Pipe DN 100, 115, 125, 150, 175 & 200

1. The licence is being granted with the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards referred above.

2. The number assigned to this licence is CML- 670005916 which has been made operative from **06-06-2017** and is valid upto **05-06-2018**. The licence number should invariably be referred to in your future correspondence.

3. According to sub-regulation (2) of Regulation 6 of Bureau of Indian Standards (Certification) Regulation, 1988, the licence fee of Rs Rs. 2000.00 and the marking fee as stipulated in the Second Schedule of this licence is payable by you with effect from 06-06-2017 for the period of validity of the licence. Service tax @ 15.00 % as applicable shall also be charged.

4. Minimum marking fee stipulated therein is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.



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 Web: www.bis.org.in, www.manakonline.in

Date: 20-06-2017

Our Ref :CML 6700059413

Subject: Grant of BIS Certification Marks Licence No 6700059413 as per IS 13592.

Mr KRISGO INDUSTRIES (UNIT-II)
(A UNIT OF C.R.I. PUMPS PVT LTD)
8F No.431&2, Sumanapalli Road
Alur Village, Hosur Taluk,
KRISHNAGIRI,
TAMIL NADU,INDIA 635109

Dear Sir,

With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following:


UPVC pipes for soil and waste discharge system
Type A, DN 40, 50, 63, 75, 90, 110, 125, 140 & 160
Grooved Socket end and Socket ended for Solvent Cement jointing
Type B, DN 40, 50, 63, 75, 90, 110, 125, 140 & 160
Grooved Socket end and Socket ended for Solvent Cement jointing

1. The licence is being granted with the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards referred above.

2. The number assigned to this licence is CML- 6700059413 which has been made operative from **02-06-2017** and is valid upto **01-06-2018**. The licence number should invariably be referred to in your future correspondence.

3. According to sub-regulation (2) of Regulation 6 of Bureau of Indian Standards (Certification) Regulation, 1988, the licence fee of Rs Rs. 2000.00 and the marking fee as stipulated in the Second Schedule of this licence is payable by you with effect from 02-06-2017 for the period of validity of the licence. Service tax @ 15.00 % as applicable shall also be charged.

4. Minimum marking fee stipulated therein is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.



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Date: 20-06-2017

Our Ref :CML 6700059514

Subject: Grant of BIS Certification Marks Licence No 6700059514 as per IS 15778.

Mr KRISGO INDUSTRIES, UNIT - II
(A UNIT OF C.R.I.PUMPS PVT LTD)
8F No.431 & 432 Alur Village,
HOSUR,
KRISHNAGIRI,
TAMIL NADU,INDIA 635109

Dear Sir,

With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following:

Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold water distribution supplies
Class 1 SDR 11, Sizes - 15mm to 50mm
Class 2 SDR 13.5 Sizes 15mm to 50mm

1. The licence is being granted with the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards referred above.

2. The number assigned to this licence is CML- 6700059514 which has been made operative from **02-06-2017** and is valid upto **01-06-2018**. The licence number should invariably be referred to in your future correspondence.

3. According to sub-regulation (2) of Regulation 6 of Bureau of Indian Standards (Certification) Regulation, 1988, the licence fee of Rs Rs. 2000.00 and the marking fee as stipulated in the Second Schedule of this licence is payable by you with effect from 02-06-2017 for the period of validity of the licence. Service tax @ 15.00 % as applicable shall also be charged.

4. Minimum marking fee stipulated therein is payable by you regardless of the whether you actually



IAPMO Plumbing Codes and Standards India Pvt. Ltd.
 No.43, 4th Floor, PNR Tower, Serenitee Apartments, Near IISc Road junction, Bangalore, Karnataka 560 002



CERTIFICATE OF LISTING

LICENSING: Krigo Industries Unit-II, Unit of C.R.I. Pumps Private Limited, Alur Village, Hosur, TN, India Pin: 635 109
 File No. IN-178 Product: Drinking Water System Components- Health Effects Valid After: FEBRUARY 28, 2021

IDENTIFICATION: Each of the listed uPVC Colume Pipes shall be permanently and legibly marked with the manufacturer's name or trademark or name of the client to which the products are manufactured. The product may be marked with "LEAD FREE" in compliance with the standard designation "NSF/ANSI 372". Product also complies to RoHS requirement.

CHARACTERISTICS: Materials or products that come into contact with drinking water and/or drinking water treatment chemicals. Products and materials may include process media, protective materials, joining and sealing materials, pipes and related products, mechanical devices and with treatment/distribution/distribution systems, and mechanical joining devices. To be installed in accordance with the manufacturer's instruction. Lead free requirements are addressed under this certificate of listing based on RoHS compliance.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following standard(s): NSF/ANSI 372:2016 and RoHS.

K. Chandrasekhar
 Dr. K. Chandrasekhar
 Managing Director

Ravi Chandy
 Ravi Chandy
 CEO, The IAPMO Group



This listing period is based upon the last date of the reports indicated on the Effective Date and last date shown above. Any change in material, manufacturing process, marking or design without notice that contained the substance of listed items, or any material of non-compliance with applicable codes and standards is of notice. Furthermore, any change in manufacturing process or design without notice may be made only by specific written permission from IAPMO.

Page: 1

Redefining
heights

6_{mtr} (20ft)

C.R.I. Column Pipes



✿ CATERS TO DIVERSE SEGMENTS ✿

WATER & WASTE WATER | SOLAR | PROCESS INDUSTRIES | SEWAGE & EFFLUENT
TREATMENT PLANTS HVAC | FIRE FIGHTING | METAL & MINING | FOOD & BEVERAGE
AGRICULTURE | RESIDENTIAL



C.R.I. PIPES
Quality in every inch



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