

CPVC & UPVC

JINDAL HISSAR



Jindal Industries Pvt. Ltd.



SWR

FOR INTERNAL DRAINAGE

CASING

FOR BORE-WELL SYSTEM

AGRI

FOR WATER SUPPLIES

UGD

FOR EXTERNAL DRAINAGE

COLUMN

FOR EXTRACT GROUND WATER

CPVC

FOR HOT & COLD WATER

Complete Solution for Plumbing, Sanitation & Agri (Pipes & Fittings)



About Us :



Jindal Industries Pvt. Limited, HISSAR, is one of the reputed industrial house, and a part of the O.P. JINDAL GROUP, who have proved their unerring might in steel sector and reckoned with high esteem in the pipe manufacturing industry.

Set up in the year 1960, JINDAL-HISSAR plants are the most advanced state-of-the-art facility equipped with Modern Manufacturing Machineries. The plants are well equipped to manufacture best Quality MS Black & Galvanized Pipes (Round, Section, Powder Coated & API) as per National and International standards besides other variants.

The PVC segment of the company cater - Plumbing, Sanitation & Agri. (Pipes & Fittings).

Range :

- Column Pipe : 25mm to 100mm
- Agri Pipe : 20mm to 400mm
- SWR : 75mm to 110mm
- CPVC : 20mm to 50mm
- Casing Pipe : 40mm to 300mm

The company has experienced manifold growth due to our relentless endeavour to maintain higher standards of Quality and service to our worthy Customers.



Our Brand is one of the most trusted brand in the market



Product Information :



CPVC (Hot & Cold Water Pipes)

Types : 20 mm (¾") - 50 mm (2"), comprises pipes as per IS 15778 in SDR 11 & 13.5 series and fittings as per ASTM D 2846, in CTS (Copper Tube Sizes)
 Length : 3m
 Colour : Ivory
 Range : ¾" - 2"

Features & Benefits :

- Stringent quality control
- Ideal for hot water applications
- Manufactured using lead-free environmentally friendly compound
- UV stabilized
- Low thermal expansion
- Safe for potable water systems
- High impact strength
- Cost-effective
- Leak-proof joints
- Outstanding fire safety profile
- Insulating properties result in high energy saving
- No scaling, pitting, or leaching formation
- No corrosion resulting in uncompromised water quality
- Can be used with electric and solar water heaters Easy installation



CPVC Fittings

(As per ASTM D 2846)



Types : Coupler, Elbow 90°, Elbow 90° - Brass Insert, Elbow 45°, Tee, Cross Tee, Tee - Brass Insert, End Cap, Male Threaded Adapter (M.T.A.), Male Threaded Adapter (M.T.A.) - Brass Insert, Female Threaded Adapter (F.T.A.), Female Threaded Adapter (F.T.A.) - Brass Insert, Union, Step Over Bend, Tank Nipple, Tank Nipple Socket, Reducer, Reducing Elbow 90°, Reducing Elbow 90° - Brass Insert, Reducing Tee, Reducing Male Threaded Adapter (M.T.A.), Reducing Male Threaded Adapter (M.T.A.) - Brass Insert, Reducing Female Threaded Adapter (F.T.A.), Reducing Female Threaded Adapter (F.T.A.) - Brass Insert, Hex Nipple.

DIMENSIONS & PRESSURE RATING OF CPVC PIPES												
Conforming to IS:15778												
Nominal Size		Mean Outside		SDR 11				SDR 13.5				
		Diameter		Wall		Working		Wall		Working		Std.
		(mm)		'(t)' (mm)		kg/cm2		'(t)' (mm)		kg/cm2		Pipe Length
mm	inch	min.	max.	min.	max.	27°C	82°C	min.	max.	27°C	82°C	meter
15	½"	15.8	16	1.7	2.2	28.14	6.93	1.4	1.9	22.23	5.6	3
20	¾"	22.1	22.3	2.0	2.5	28.14	6.93	1.7	2.2	22.23	5.6	3
25	1"	28.5	28.7	2.6	3.1	28.14	6.93	2.1	2.6	22.23	5.6	3
32	1¼"	34.8	35	3.2	3.7	28.14	6.93	2.6	3.1	22.23	5.6	3
40	1½"	41.2	41.4	3.8	4.3	28.14	6.93	3.1	3.6	22.23	5.6	3
50	2"	53.9	54.1	4.9	5.5	28.14	6.93	4.0	4.6	22.23	5.6	3
DIMENSIONS & PRESSURE RATING OF IPS SERIES CPVC PIPES												
As per ASTM F 441												
Nominal Size		Mean Outside Diameter		SCHEDULE 40				SCHEDULE 80				Std.
		(mm)		Wall Thickness '(t)' (mm)		Working Pressure		Wall Thickness '(t)' (mm)		Working Pressure		Pipe Length
						kg/cm2				kg/cm2		
mm	inch	min.	max.	min.	max.	23°C	82°C	min.	max.	23°C	82°C	meter
65	2½"	72.8	73.2	5.16	5.77	21.1	5.3	7.01	7.85	29.57	7.34	3
80	3"	88.7	89.1	5.49	6.15	18.25	4.58	7.62	8.53	26	6.32	3
100	4"	114.1	114.5	6.02	6.73	15.5	3.87	8.56	9.58	22.53	5.6	3
150	6"	168	168.6	7.11	7.97	12.64	3.16	10.97	12.29	19.98	4.89	3

Product Information :



uPVC Lead-free Column Pipes for Borewells

Types : With Coupler.
Available in : J Class-(12.5 & 15 Kg various Pressure), Medium, classes Standard and Heavy.
Length : 3 Mtr.
Colour : White
Range : 25 mm to 150 mm (1" to 6")



Special Features:

- Stringent quality control.
- Cost Effective.
- Long Life.
- No Electrolytic Deposition.
- Very Low Friction Losses (10% to 30% more Water).
- Non-toxic, rust free & Lead-free
- Obtains higher well yields than conventional metallic pipes
- Lightweight and easy to transport

Light (J- 12.5 Class)							
Nom. Dia		Effective Length (Mtr)	Safe Total Pump Delivery Load (FT)	OD(MM)		Ligth Class J-12.5	
mm	Inch			Pipe	Over Coupling	Standard Packing (Qty.)	Pressure kgf/cm ²
25	1.0"	3	375	33.4	46	40	12.5
32	1.25"	3	375	42.16	56	25	12.5
40	1.50"	3	375	48.26	64	20	12.5
Light (J- 15 Class)							
Nom. Dia		Effective Length (Mtr)	Safe Total Pump Delivery Load (FT)	OD(MM)		Ligth Class J-15	
mm	Inch			Pipe	Over Coupling	Standard Packing (Qty.)	Pressure kgf/cm ²
25	1.0"	3	450	33.4	46	40	15
32	1.25"	3	450	42.16	56	25	15
40	1.50"	3	450	48.26	64	20	15
Medium Class							
Nom. Dia		Effective Length (Mtr)	Safe Total Pump Delivery Load (FT)	OD(MM)		Medium Class	
mm	Inch			Pipe	Over Coupling	Packing (Qty.)	Pressure kgf/cm ²
25	1.0"	3	630	33.4	46	40	21
32	1.25"	3	630	42.16	56	25	21
40	1.50"	3	630	48.26	64	20	21
50	2"	3	450	60.32	79	12	15
65	2.5"	3	390	73.02	92	9	13
80	3"	3	330	88.9	106	6	11
100	4"	3	300	114.3	136	4	10
125	5"	3	300	141	166	3	10

Standard Class							
Nom. Dia		Effective Length (Mtr)	Safe Total Pump Delivery Load (FT)	OD(MM)		Standard Class	
mm	Inch			Pipe	Over Coupling	Standard Packing (Qty.)	Pressure kgf/cm ²
25	1.0"	3	780	33.4	46	40	26
32	1.25"	3	780	42.16	56	25	26
40	1.50"	3	780	48.26	64	20	26
50	2"	3	600	60.32	79	12	20
65	2.5"	3	540	73.02	92	9	18
80	3"	3	540	88.9	106	6	18
100	4"	3	480	114.3	136	4	16
125	5"	3	480	141	166	3	16
Heavy Class							
Nom. Dia		Effective Length (Mtr)	Safe Total Pump Delivery Load (FT)	OD(MM)		Heavy Class	
mm	Inch			Pipe	Over Coupling	Standard Packing (Qty.)	Pressure kgf/cm ²
32	1.25"	3	1050	42.16	56	25	35
40	1.50"	3	1050	48.26	64	20	35
50	2"	3	810	60.32	79	12	27
65	2.5"	3	780	73.02	92	9	26
80	3"	3	780	88.9	106	6	26
100	4"	3	780	114.3	136	4	26
125	5"	3	780	141	166	3	26
150	6"	3	780	165	200	3	26

Product Information :



Casing Pipes

Casing Pipes provide protection to the water line from soil conditions.

Conforming to IS 12818

- Types:
- CS - Shallow well casing pipes for well depth up to 80 m
 - CM - Medium well casing pipes for well depth between 80 to 150 m
 - CD - Deep well casing pipes suitable for well depth between 250 to 450 m
 - SDR-29 & 33

Length : 3 mtr and 6 mtr.

Colour : Blue

Range:

- CS- 100 mm - 400 mm
 - CM- 35 mm - 400 mm
 - CD- 100 mm - 400 mm
- Screen pipes with ribs – 40 mm - 200 mm

Features & Benefits:

- Stringent quality control.
- Excellent product toughness due to use of a special PVC-U compound.
- Increased permeability due to continuous ribs, keeps gravel pack away from slot opening.
- Fire Proof.
- Easy and quick installation.
- Economical compared to conventional pipes.
- Excellent stiffness helps pipes withstand external hydraulic pressure.
- Anti-corrosive.
- Non-toxic and does not impart taste and odour. Safe for drinking water.
- Long life as a result of excellent mechanical properties.

Application:

- Bore-well Casing, Irrigation, Domestic, Industrial mining, and Chemical distribution.
- uPVC is nearly inert towards corrosion, and chemical reactions and due to this, it is ideally used in salty, sandy and chemically aggressive water without any effect over the years.



Technical Parameter of Casing Pipe (IS: 12818:2010)					
CM Casing Pipe					
Nominal		Mean Outer		Wall Thickness	
mm	inch	Min	Max	Min	Max
35	1.25"	42.0	42.2	3.5	4.0
40	1.5"	48.0	48.2	3.5	4.0
50	2.0"	60.0	60.2	4.0	4.6
80	3.0"	88.0	88.3	4.0	4.6
100	4.0"	113.0	113.3	5.0	5.7
115	4.5"	125.0	125.3	5.0	5.7
125	5.0"	140.0	140.4	6.5	7.3
150	6.0"	165.0	165.4	7.5	8.5
175	7.0"	200.0	200.5	8.8	9.8
200	8.0"	225.0	225.5	10.0	11.2
250	10.0"	280.0	280.5	12.5	14
300	12.0"	330.0	330.6	14.5	16.2
350	14.0"	400.0	400.7	17.5	19.5
400	16.0"	450.0	450.8	19.5	21.7

Technical Parameter of Casing Pipe (IS: 12818:2010)					
CS Casing Pipe					
Nominal		Mean Outer		Wall Thickness	
mm	inch	Min	Max	Min	Max
150	6.0"	165.0	165.4	5.70	6.50
175	7.0"	200.0	200.5	7.0	7.80
200	8.0"	225.0	225.5	7.60	8.80
250	10.0"	280.0	280.5	9.60	11.0
300	12.0"	330.0	330.6	11.2	13.3
350	14.0"	300.0	400.7	14.0	15.5
400	16.0"	450.0	450.8	16.0	17.5

Technical Parameter of Casing Pipe (IS: 12818:2010)					
CD Casing Pipe					
Nominal		Mean Outer		Wall Thickness	
mm	inch	Min	Max	Min	Max
100	4.0"	113.0	113.3	7.0	7.9
115	4.5"	125.0	125.3	7.5	8.5
125	5.0"	140.0	140.4	8.0	9.0
150	6.0"	165.0	165.4	9.5	10.7
165*	6.5"	180.0	180.4	12.0	12.5
175	7.0"	200.0	200.5	11.8	13.6
200	8.0"	225.0	225.5	13.0	14.8
225*	9.0"	250.0	250.5	14.5	15.5
250	10.0"	280.0	280.5	16.0	17.6
300	12.0"	330.0	330.6	19.0	21.0
350	14.0"	400.0	400.7	21.5	23.9
400	16.0"	450.0	450.8	23.5	26.1

Product Information :



AGRICULTURE PIPES

Jindal Hissar - offers a wide range of unplasticized PVC (UPVC) pipes and fittings to suit the needs of agriculture and domestic applications including potable water supply. These pipes are suitable for pressure and gravity flow applications.

Confirming : IS 4985
Types : Selfit & Ringfit PVC-U Pipes.
Length : 6mtr
Class : 2.5kg/cm² to 15 Kg/cm²
Colour : Grey
Range : 20mm - 400mm

Features & Benefits:

- Corrosion Free.
- Inert to Chemicals.
- Termite Proof.
- UV Stabilized for use in sunlight.
- Very High-Pressure Resistant Capacity.
- Internal Surface is very smooth which reduces friction loss.

Application:

- Rural & Urban water supplies, Gas & Oil Supplies.
- Sewerage & Drainage Systems.
- Building water supply application.
- Power & Telecommunication Cable ducting.
- Water supply for agriculture and irrigation systems.



AGRICULTURE FITTING

Moulded Fittings

As per IS 7834

Range : 20mm- 200mm
Colour : Dark Grey
Types : Coupler, Elbow 90°, Elbow 90° Threaded, Elbow 45°, Tee, End Cap, FTA, MTA, Reducer



Technical Parameters is 4985 - 2021(All Dimension in mm)

Pipe Size (Inch)	Nominal Outside diameter (Nominal size)	Mean Outside diameter Min-Max	Outside diameter at Any Point Min-Max	Class 1 0.25 Mpa (2.5kg/cm ²) Min-Max	Class 2 0.40 Mpa (4kg/cm ²) Min-Max	Class 3 0.60 Mpa (6kg/cm ²) Min-Max	Class 4 0.80 Mpa (8 kg/cm ²) Min-Max	Class 5 1.00 Mpa (10 kg/cm ²) Min-Max	Class 6 1.25 Mpa (12.5 kg/cm ²) Min-Max
0.5"	20	20-20.3	19.5 - 20.5					1.1-1.5	1.4 - 1.8
0.75"	25	25-25.3	24.5 - 25.5				1.2 - 1.6	1.4 - 1.8	1.7 - 2.1
1.0"	32	32-32.3	31.5 - 32.5				1.5 - 1.9	1.8 - 2.2	2.2 - 2.7
1.25"	40	40-40.3	39.5 - 40.5			1.4 - 1.8	1.8 - 2.2	2.2 - 2.7	2.8 - 3.3
1.5"	50	50-50.3	49.4 - 50.6			1.7 - 2.1	2.3 - 2.8	2.8 - 3.3	3.4 - 4.0
2.0"	63	63-63.3	62.2 - 63.8		1.5 - 1.9	2.2 - 2.7	2.8 - 3.3	3.5 - 4.1	4.3 - 5.0
2.5"	75	75-75.3	74.1 - 75.9		1.8 - 2.2	2.6 - 3.1	3.4 - 4.0	4.2 - 4.9	5.1 - 5.9
3.0"	90	90-90.3	88.9 - 91.1	1.3 - 1.7	2.1 - 2.6	3.1 - 3.7	4.0 - 4.6	5.0 - 5.7	6.1 - 7.1
4.0"	110	110-110.4	108.6 - 111.4	1.6 - 2.0	2.5 - 3.0	3.7 - 4.3	4.9 - 5.6	6.1 - 7.1	7.5 - 8.7
4.5"	125	125-125.4	123.5 - 126.5	1.8 - 2.2	2.9 - 3.4	4.3 - 5.0	5.6 - 6.4	6.9 - 8.0	8.5 - 9.8
5.0"	140	140-140.5	138.3-141.7	2.0 - 2.4	3.2 - 3.8	4.8 - 5.5	6.3 - 7.3	7.7 - 8.9	9.5 - 11.0
6.0"	160	160-160.5	158.0 - 162.0	2.3 - 2.8	3.7 - 4.3	5.4 - 6.2	7.2 - 8.3	8.8 - 10.2	10.9 - 12.6
7.0"	180	180-180.6	177.8 - 182.2	2.6 - 3.1	4.2 - 4.9	6.1 - 7.1	8.0 - 9.2	9.9 - 11.4	12.2 - 14.1
8.0"	200	200-200.6	197.6 - 202.4	2.9 - 3.4	4.6 - 5.3	6.8 - 7.9	8.9 - 10.3	11.0 - 12.7	13.6 - 15.7
9.0"	225	225-225.7	222.3 - 227.7	3.3 - 3.9	5.2 - 6.0	7.6 - 8.8	10.0 - 11.5	12.4 - 14.3	15.3 - 17.6
10.0"	250	250-250.8	247.0 - 253.0	3.6 - 4.2	5.7 - 6.5	8.5 - 9.8	11.2 - 12.9	13.8 - 15.9	17.0 - 19.6
11.0"	280	280-280.9	276.6 - 283.4	4.1 - 4.8	6.4 - 7.4	9.5 - 11.0	12.5 - 14.4	15.4 - 17.8	19.0 - 21.9
12.0"	315	315-316	311.2 - 318.8	4.6 - 5.3	7.2 - 8.3	10.7 - 12.4	14.0 - 16.1	17.3 - 19.9	21.4 - 24.7
14.0"	355	355-356.1	350.7 - 359.3	5.1 - 5.9	8.1 - 9.4	12.0 - 13.8	15.8 - 18.2	19.6 - 22.6	24.1 - 27.8
16.0"	400	400-401.2	395.2 - 404.8	5.8 - 6.7	9.1 - 10.5	13.5 - 15.6	17.8 - 20.5	22.0 - 25.3	27.2 - 31.3

Product Information :



SEWERAGE PIPES (SWR)

Features & Benefits:

- Stringent quality control
- Manufactured from a special PVC-U compound with excellent mechanical properties
- Immune to galvanic and electrolytic erosion and hence pipes and water remain unaffected - Lightweight, ensuring ease in handling and transportation
- Smooth inner surface reducing frictional losses and scale formation Corrosion and rust-proof
- Available in Self-socketed and Ringfit variants Low maintenance and cost-effective
- High degree of accuracy in manufacturing ensures dimensional control
- Sewerage pipes are non-reactive to most acids, alkalis, effluents, salt, minerals, etc.

SWR Pipes

SWR pipes are UV stabilised and are designed for efficient disposal of soil, waste, and rainwater. These pipes can withstand weather cycles.

Conforming to IS 13592

Types : Pipes are available in two types SWR Selfit and S W R with integrated rings in two classes of Type A and Type B.

Length : 3 m

Colour : Light Grey

Range : 75 mm - 110 mm



Features & Benefits :

- Stringent quality control
- Leak-proof
- Non-reactive to acids, alkalis, effluents, salt and minerals
- Does not support fire and provides good resistance to combustion
- High degree of accuracy in manufacturing ensures perfect dimensional control
- Smooth inner surface, free from scaling, rusting and chemical action ensures extended product life
- Lightweight, ensuring ease in handling and transportation
- Corrosion and rust-proof which confirms longer durability of this product

SWR Fittings

Conforming to IS 14735

Types : Shoe Bend 45°, Bend 87.5°, Bend 87.5° with Door, Coupler, Single Tee, Single Tee with Door, Reducing Tee, Reducing Tee with Door, Cleansing Pipe with Door, Double Tee, Single Y, Single Y with Door, Reducer, Door Cap, Nahani Trap, P Trap, Q Trap, S Trap

Colour : Light Grey



Technical Parameter of SWR Pipe (IS: 13592-2013)

Nominal Diameter		Type	Effective Length (Mtr)	OD (mm)		Wall Thickness	
mm	inch			Min	Max	Min	Max
75	2.5"	A	3	75.0	75.3	1.80	2.20
75	2.5"	B	3	75.0	75.3	3.20	3.80
90	3"	A	3	90.0	90.3	1.90	2.30
90	3"	B	3	90.0	90.3	3.20	3.80
110	4"	A	3	110.0	110.4	2.20	2.70
110	4"	B	3	110.0	110.4	3.20	3.80

Product Information :



UNDERGROUND DRAINAGE

Jindal Hissar underground drainage and sewerage pipes are specifically designed for underground non-pressure applications such as gravity drainage, sewer flow, and transportation of soil and waste discharge.

Conforming to IS 15328

Types: Stiffness class of SN-2, SN-4 & SN-8 with Selfit and Ringfit types of joints.

Length : 6 mtr.



Technical Parameter of Underground Drainage Pipe (IS: 15328:2003)										
Nominal Diameter		Effective Length (Mtr)	OD (mm)		SN 2 (SDR-51)		SN 4 (SDR-41)		SN 8 (SDR-34)	
					WALL THICKNESS		WALL		WALL	
mm	inch		Min	Max	Min	Max	Min	Max	Min	Max
110	4.0"	6.0	110.0	110.4					3.2	3.7
125	4.5"	6.0	125.0	125.4			3.2	3.7	3.7	4.4
160	6.0"	6.0	160.0	160.5	3.2	3.7	4.0	4.6	4.7	5.4
200	8.0"	6.0	200.0	200.6	3.9	4.5	4.9	5.6	5.9	6.7
250	10.0"	6.0	250.0	250.8	4.9	5.6	6.2	7.0	7.3	8.3
315	12.0"	6.0	315.0	316.0	6.2	7.0	7.7	8.7	9.2	10.4
400	16.0"	6.0	400.0	401.2	7.9	8.9	9.8	11.0	11.0	13.1

OUR NETWORK

Haryana

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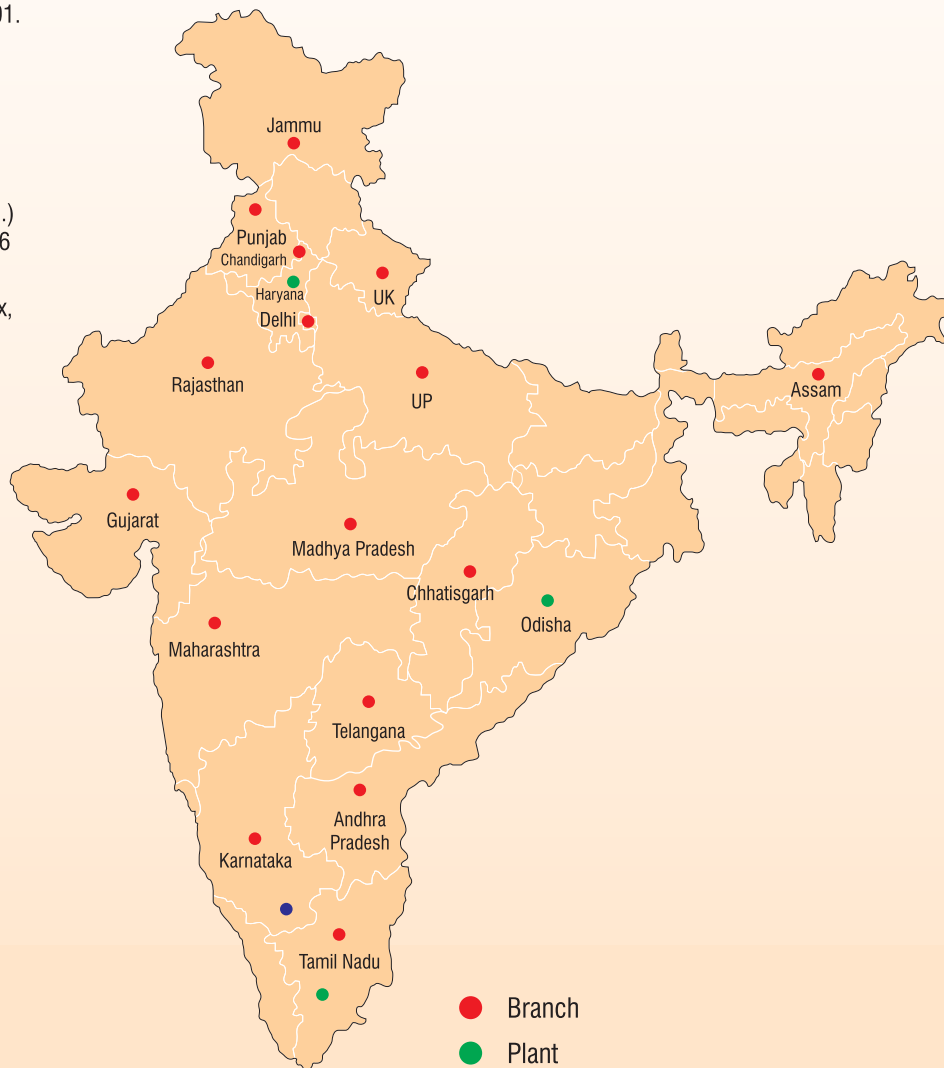
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- Branch
- Plant
- Up-coming Plant



JINDAL INDUSTRIES PRIVATE LIMITED

PVC Division

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