

7,000 KM / MONTH

Drip Lateral Systems

Inline drip lateral to IS 13488:2008 — 12, 16, 20 and 25 mm across four pressure classes, produced at 200 metres a minute, delivering water where the crop actually needs it.

SIZES
12, 16, 20, 25 mm
OUTPUT
7,000 km a month
STANDARD
IS 13488:2008


Drip lateral coils in the store

More crop per drop.

Drip lateral is the highest-volume product on the campus by length. At 200 metres a minute the line turns out roughly 7,000 kilometres a month, most of it going into field irrigation across northern India.

The engineering that matters in drip is unglamorous: consistent dripper spacing, uniform discharge along the run, and wall thickness that survives being laid, lifted and relaid across seasons. Those are extrusion-control problems, and they are the same ones we solved for cable.

7,000 km / month

The highest-volume line on the campus.

IS 13488:2008

Aligned to ISO 9261, in four pressure classes.

Ask for the CV

Category and coefficient of variation stated, not implied.

FIELD CROPS
Row crops

Cotton, sugarcane, maize and vegetable production.

HORTICULTURE
Orchards

Fruit and plantation crops on wide spacing.

PROTECTED
Greenhouse

Polyhouse and shade-net cultivation.

SCHEME
Micro-irrigation programmes

Supply under state and central subsidy schemes.

Fields marked "On enquiry" are issued against a specific enquiry. Full specification, reference tables and fittings: aggarwalglobal.com/products/drip-lateral.html

GENERAL

Product	Inline emitting pipe (drip lateral)
Standard	IS 13488:2008, aligned to ISO 9261:2004
Nominal diameters	12, 16, 20 and 25 mm
Pressure classes	Class 1 (0.100 MPa), Class 2 (0.125 MPa), Class 3 (0.250 MPa), Class 4 (0.400 MPa)
Production rate	200 metres per minute
Monthly capacity	Approximately 7,000 km
Dripper spacing	Standard ladder from 15 cm to 150 cm — specify
Nominal discharge	0.8, 1.2, 1.6, 2.0 and 4.0 litres per hour at 1 bar — specify

PERFORMANCE

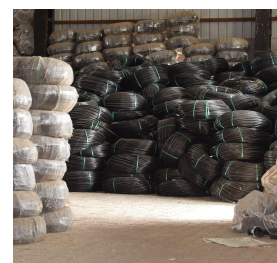
Uniformity category	Category A ($\pm 5\%$, $CV \leq 5\%$) or Category B ($\pm 10\%$, $CV \leq 10\%$)
Emitter type	Inline, unregulated (non pressure-compensating) or regulated (pressure-compensating)
Emitter flow exponent	Below 0.3 for unregulated; below 0.2 for pressure-compensating
Nominal test pressure	100 kPa (1 bar)
Filtration required	75 to 100 micron — that is 160 to 200 mesh
Marking	Flow direction arrows at intervals not exceeding 5 metres, per IS 13488 cl. 10
Coil lengths	On enquiry — standard coil lengths on enquiry

STANDARDS

IS 13488:2008	Irrigation equipment — emitting pipe systems, aligned to ISO 9261:2004
IS 13487	Irrigation equipment — emitters, for emission rates up to 15 litres per hour
IS 13479	Irrigation equipment — pull-out resistance of mechanical joint fittings
IS 12786	PVC pipes for irrigation — referenced for environmental stress cracking
ISO 9261:2004	Agricultural irrigation equipment — emitters and emitting pipe

ROUTINE TESTS ON EVERY UNIT

- Uniformity of emission rate at nominal pressure
- Emission rate against inlet pressure on four emitting units
- Wall thickness and inside diameter against IS 13488 Table 1
- Hydrostatic pressure resistance at ambient and at 60 °C
- Tension resistance at 50 °C
- Pull-out resistance at fittings — IS 13479



ENQUIRIES

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Delivery as per the client's requirement, confirmed with the quotation. Ex Factory or FOB for export.