

300 POLES / DAY

PCC Poles

Prestressed concrete poles cast at 300 a day, designed and tested to IS 1678:1998 with dimensions to your utility's standard drawing. This is where the business started in 2006.

LENGTHS

9 m and 11 m

OUTPUT

300 a day

STANDARD

IS 1678:1998



Pole casting beds under the gantry

The line we were founded on.

Everything else on this campus was added around the pole yard. Twenty years on it still runs at 300 poles a day, and it remains the product most closely tied to the rural electrification work that built our field record.

One point of accuracy that matters: neither IS 1678 nor IS 785 contains a table of pole dimensions. They are performance standards — they fix the concrete grade, the load factor, the cover, the planting depth and the test method, and leave the section geometry to the standard drawing. A pole dimension table captioned "as per IS 1678" is therefore wrong, and a knowledgeable buyer will notice. We build to IS 1678 and to your drawing, and we say which is which.

300 poles / day

The highest-volume line on the campus.

IS 1678:1998

Designed and transverse-strength tested to the prestressed concrete pole standard.

Since 2006

The founding product line, still running.

UTILITY

LT and 11 kV distribution

Standard distribution pole for rural and urban networks.

RURAL

Village electrification

Bulk supply under national electrification schemes.

LIGHTING

Street lighting

Pole supply for municipal lighting installations.

INDUSTRY

Private networks

Estate and plant distribution lines.

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

GENERAL

Product	Precast prestressed concrete (PSC/PCC) poles
Lengths	9 m and 11 m standard; other lengths as per client request
Working load classes	Typically 140, 200, 280 and 300 kg — to your standard drawing
Section	Rectangular tapered, constant width with tapering depth
Design standard	IS 1678:1998
Dimensions	To utility or REC standard drawing — not defined by IS 1678
Daily capacity	300 poles

CONSTRUCTION

Concrete grade	Not less than M40 per IS 1678
Prestressing steel	High tensile wire, tensioned and untensioned as per drawing
Cover to reinforcement	Per drawing, minimum per IS 1678
Curing	Steam or water cured
Load factor on transverse strength	Not less than 2.5
Design load applied	600 mm below the top
Marking	Manufacturer identification, month and year, serial number, and centre of gravity marked C.G.

STANDARDS

IS 1678:1998	Prestressed concrete poles for overhead power, traction and telecommunication lines
IS 785:1998	Prestressed concrete poles for overhead power and telecommunication lines — reinforced type
IS 2905	Methods of test for concrete poles
IS 516	Methods of test for strength of concrete
IS 1343	Code of practice for prestressed concrete

ROUTINE TESTS ON EVERY UNIT

- Dimensional check against drawing
- Concrete compressive strength — IS 516
- Transverse strength test — IS 2905
- Crack width observation up to design load
- Uprightness and straightness



ENQUIRIES

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