

(/)

[Home \(../index.html\)](#) / [Products](#)

Products

Rain Cements Limited (RCL) manufactures two types of Priya Cement: Ordinary Portland Cement (OPC) and Portland Pozzolana Cement (PPC). Both types of cement are generally suited for all type of construction. Following rigid quality procedures and continuous monitoring of its manufacturing processes, we ensure that only quality products reach our customers. Here's a look at the Priya Cement production plants and products.

Priya Cement is manufactured at two integrated cement plants: one in Andhra Pradesh and one in Telangana, as well as one cement packing unit in Karnataka. The Unit I integrated cement plant in Telangana is located in the state's Suryapet District and has a production capacity of 1.0 MT per year of clinker and 1.5 MT per year of cement. The Unit II integrated cement plant is in the Kurnool District of Andhra Pradesh, has a production capacity of 1.94 MT per year of clinker and 2.77 MT per year of cement.

Products Manufactured at the Unit I, Ramapuram, Suryapet District:

OPC – 43 Grade

OPC – 53 Grade

(Fly Ash Based)

(/)

Products Manufactured at the Unit II, Sreepuram, Kurnool District:

OPC – 53 Grade

PPC (Fly Ash Based)

RCL manufactures two types of Priya Cement: Ordinary Portland Cement (OPC) and Portland Pozzolana Cement (PPC).

OPC

OPC is manufactured by inter-grinding 95% of cement clinker with 5% of gypsum in a closed circuit ball mill with a high-efficiency separator to the required fineness.

Advantages of Using OPC:

OPC is an all-purpose type of cement and can find applications in any concrete structure. As it is premium quality cement, with fast setting and fast strength development, most builders prefer OPC to ensure on-time project completion.

In M20, M25 and M30 types of concrete, OPC is used to attain high initial strength and also to achieve a lower specific cement consumption.

Since OPC comprises low percentage of minor constituents, such as alkalis and chlorites, its durability and soundness are ensured.

OPC's Areas of Application:

OPC is used in high-rise industrial buildings, slabs and roofs of apartments and bridges.

RCL PRIYA CEMENT, UNIT-II, SREEPURAM, BOINCHERUVUPALLY VILLAGE, PEAPULLY MANDAL, KURNOOL DISTRICT, ANDHRA PRADESH. INDIA



PRODUCT SPECIFICATION

(/)

DESCRIPTION	BIS SPECIFICATION	RAIN CEMENT SPECIFICATION
	OPC 53 GRADE (As per IS 269 : 2015)	OPC 53 GRADE
Compressive Strength (MPa)		
3 Days (72 ± 1 h)	27 MPa.	32 – 35
7 Days (168 ± 2 h)	37 MPa.	42 – 45
28 Days (672 ± 4 h)	53 MPa.	60 - 64

PPC

PPC is manufactured by inter-grinding 65% of cement clinker with 30% of fly ash and 5% of gypsum in a closed circuit ball mill with a high-efficiency separator to achieve the required fineness.

Advantages of Using PPC:

Using PPC eliminates surface cracks due to low heat of hydration.

Setting time is slightly more than OPC, which gives PPC more workable time.

Strength development continues even after 28 days, giving ultimate higher strength to the concrete.

Our addition of Fly Ash improves particle size distribution and gives a perfect concrete matrix.

PPC is less porous than OPC, making it even more resistant to chemical attack.

PPC is a more eco-friendly type of cement, with less production energy required to make each ton of cement by blending in high strength Fly Ash, a by-product from thermal



power plants, which historically was disposed of through environmentally un-friendly, long-term land filling.

(/)

The manufacturing cost of PPC is lower than of OPC.

PPC's Areas of Application:

Suitable for RCC work in residential buildings and cement brick manufacturing.

More suitable for marine works and for the construction of all types of buildings in coastal areas.

Construction of dams, roads and runways.

Better surface finish due to higher fineness.

RCL PRIYA CEMENT, UNIT-II, SREEPURAM, BOINCHERUVUPALLY VILLAGE, PEAPULLY MANDAL, KURNOOL DISTRICT, ANDHRA PRADESH, INDIA

PRODUCT SPECIFICATION

DESCRIPTION	BIS SPECIFICATION	RAIN CEMENT SPECIFICATION
	PPC GRADE (As per IS 1489 : 2015)	PPC GRADE
Compressive Strength (MPa)		
3 Days (72 ± 1 h)	16 MPa.	20 – 24
7 Days (168 ± 2 h)	22 MPa.	32 – 35
28 Days (672 ± 4 h)	33 MPa.	50 – 55



RAIN CEMENTS LIMITED

34, 'Rain Center',
Srinagar Colony,
Hyderabad - 500073
Telangana

(/)

Phone: +91 40 4040 1234

Fax: +91 40 4040 1213

Email: info@priyacement.com (mailto:info@priyacement.com)

