



# THE INDIA CEMENTS LIMITED

WORKS: MALKAPUR 501138, P.B. No. 07, SY. No. 51,  
TANTUR MANDAL, RANGA REDDY DIST, TELANGANA  
TEL: 08411 242247, 242324 to 242328, Fax: 08411 242302



AN IS/ISO 9001:2015 CERTIFIED COMPANY

## COROMANDEL KING SUPERIOR OPC 53 GRADE CEMENT TEST CERTIFICATE

### PARTICULARS

### TEST RESULTS



Specification as per  
IS 269:2015

#### A CHEMICAL REQUIREMENTS:

|   |                              |       |           |
|---|------------------------------|-------|-----------|
| 1 | LSF (Lime Saturation factor) | 0.92  | 0.80-1.02 |
| 2 | Alumina Modulus              | 1.06  | Min 0.66  |
| 3 | Insoluble residue (%)        | 2.57  | Max 5.0   |
| 4 | Magnesia (%)                 | 1.06  | Max 6.0   |
| 5 | Sulphuric Anhydride (%)      | 2.49  | Max.3.5   |
| 6 | Loss on Ignition (%)         | 2.56  | Max.4.0   |
| 7 | Chloride (%)                 | 0.014 | Max 0.10  |

#### B PHYSICAL REQUIREMENTS:

|   |                                            |                |          |
|---|--------------------------------------------|----------------|----------|
| 1 | Specific Surface Area (M <sup>2</sup> /kg) | 306            | Min. 225 |
| 2 | Soundness                                  |                |          |
|   | a) Le Chatelier (mm)                       | 1.5            | Max 10   |
|   | b) Autoclave (%)                           | 0.05           | Max 0.8  |
| 3 | Setting Time (minutes)                     |                |          |
|   | a) Initial                                 | 135            | Min 30   |
|   | b) Final                                   | 255            | Max 600  |
| 4 | Compressive Strength(Mpa)                  |                |          |
|   | a) 3 Days                                  | 36.0           | Min 27   |
|   | b) 7 Days                                  | 45.7           | Min 37   |
|   | c) 28 Days                                 | Result Awaited | Min 53   |

The sample complies with the requirements of IS 269:2015 for 53 Grade Ordinary Portland Cement.

Date of Despatch: 18.06.2021 to 24.06.2021 Week No: 25

Permitted Performance improvers are added (Type: Limestone: 2.0% & Flyash: 3.0%)



HOD (QA)

Registered Office: IDHUM BUILDING, 827 Anna Salai, CHENNAI - 600 002  
Corporate Office: Coromandel Towers, 93, Southside High Road, Karapagam Avenue, R.A. Puram, CHENNAI - 600 028  
Phone: (044) 28521524 / 28521527 Fax: (044) 28528106, www.indiacements.co.in  
FICG No. AAAC1728PXM010 SERVICE TAX No. AAAC1728PST013 PAN No. AAAC1728P  
FIN No. 36220189438, TAN No. HYGT03638E  
Railway Station Code: MIC 0002853, Corporate Identity No. (CIN): L26942TN1946PLC00090



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AN IS/ISO 9001:2015 CERTIFIED COMPANY

## COROMANDEL OPC 43 GRADE CEMENT TEST CERTIFICATE

### PARTICULARS

### TEST RESULTS



Specification as per  
IS 269:2015

#### A CHEMICAL REQUIREMENTS:

|   |                              |       |           |
|---|------------------------------|-------|-----------|
| 1 | LSF (Lime Saturation factor) | 0.90  | 0.66-1.02 |
| 2 | Alumina Modulus              | 1.08  | Min 0.66  |
| 3 | Insoluble residue (%)        | 2.76  | Max 5.0   |
| 4 | Magnesia (%)                 | 1.05  | Max 6.0   |
| 5 | Sulphuric Anhydride (%)      | 2.51  | Max.3.5   |
| 6 | Loss on Ignition (%)         | 2.78  | Max 5.0   |
| 7 | Chloride (%)                 | 0.013 | Max 0.10  |

#### B PHYSICAL REQUIREMENTS:

|   |                                            |                |                 |
|---|--------------------------------------------|----------------|-----------------|
| 1 | Specific Surface Area (M <sup>2</sup> /kg) | 287            | Min. 225        |
| 2 | Soundness                                  |                |                 |
|   | a) Le Chatelier (mm)                       | 1.5            | Max 10          |
|   | b) Autoclave (%)                           | 0.06           | Max 0.8         |
| 3 | Setting Time (minutes)                     |                |                 |
|   | a) Initial                                 | 135            | Min 30          |
|   | b) Final                                   | 245            | Max 600         |
| 4 | Compressive Strength(Mpa)                  |                |                 |
|   | a) 3 Days                                  | 34.6           | Min 23          |
|   | b) 7 Days                                  | 44.4           | Min 33          |
|   | c) 28 Days                                 | Result Awaited | Min 43 & Max 58 |

The sample complies with the requirements of IS 269:2015 for 43 Grade Ordinary Portland Cement

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Permitted Performance improvers are added (Type: Limestone: 2.0% & Flyash: 3.0%)



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FICG No. AAAC1728PXM010 SERVICE TAX No. AAAC1728PST013 PAN No. AAAC1728P  
FIN No. 36220189438, TAN No. HYGT03638E  
Railway Siding Code: MIC 00028572, Corporate Identity No. (CIN): L26942TN1945PLC00090



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## AN IS/ISO 9001:2015 CERTIFIED COMPANY COROMANDEL KING SUPER POWER PPC (FA BASED) TEST CERTIFICATE

| <u>PARTICULARS</u>              |                                            | <u>TEST RESULTS</u> |  Specification as per<br>IS:1489(Part-1):2015 |
|---------------------------------|--------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>A CHEMICAL REQUIREMENTS:</b> |                                            |                     |                                                                                                                                  |
| 1                               | Sulphuric Anhydride (%)                    | 2.42                | Max 3.5                                                                                                                          |
| 2                               | Magnesia (%)                               | 1.14                | Max 6.0                                                                                                                          |
| 3                               | Loss on Ignition (%)                       | 2.65                | Max 5.0                                                                                                                          |
| 4                               | Insoluble Residue (%)                      | 25.92               | Max $X + [4(100-X)/100]$                                                                                                         |
| 5                               | Chloride (%)                               | 0.013               | Max. 0.1                                                                                                                         |
| <b>B PHYSICAL REQUIREMENTS:</b> |                                            |                     |                                                                                                                                  |
| 1                               | Specific Surface Area (M <sup>2</sup> /kg) | 340                 | Min. 300                                                                                                                         |
| 2                               | Soundness                                  |                     |                                                                                                                                  |
|                                 | a) Le Chatelier (mm)                       | 1.0                 | Max 10                                                                                                                           |
|                                 | b) Autoclave (%)                           | 0.04                | Max 0.8                                                                                                                          |
| 3                               | Setting Time (minutes)                     |                     |                                                                                                                                  |
|                                 | a) Initial                                 | 135                 | Min 30                                                                                                                           |
|                                 | b) Final                                   | 240                 | Max 600                                                                                                                          |
| 4                               | Compressive Strength (Mpa)                 |                     |                                                                                                                                  |
|                                 | a) 3 Days                                  | 23.6                | Min. 16                                                                                                                          |
|                                 | b) 7 Days                                  | 33.3                | Min. 22                                                                                                                          |
|                                 | c) 28 Days                                 | Results Awaited     | Min. 33                                                                                                                          |
| 5                               | %Drying Shrinkage                          | Results Awaited     | Max. 0.15                                                                                                                        |
| <b>C</b>                        | <b>% of Flyash</b>                         | 29.00               | Min 15 and Max 35                                                                                                                |

The above cement complies to IS: 1489 (Part-1):2015 Portland Pozzolana Cement (Fly ash based).

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### PARTICULARS

### TEST RESULTS



Specification as per  
IS 269:2015

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*[Signature]*

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### PARTICULARS

### TEST RESULTS



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Railway Station Code: MIC 00028532 Corporate Identity No. (CIN): L26942TN1948PLC00090