



# THE INDIA CEMENTS LIMITED

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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 (%)                    | 2.44                | Max 3.5                                                                                                                          |
| 2                               | Magnesia (%)                               | 1.12                | Max 6.0                                                                                                                          |
| 3                               | Loss on Ignition (%)                       | 2.82                | Max 5.0                                                                                                                          |
| 4                               | Insoluble Residue (%)                      | 26.50               | Max $X + [4(100-X)/100]$                                                                                                         |
| 5                               | Chloride (%)                               | 0.015               | Max. 0.1                                                                                                                         |
| <b>B PHYSICAL REQUIREMENTS:</b> |                                            |                     |                                                                                                                                  |
| 1                               | Specific Surface Area (M <sup>2</sup> /kg) | 333                 | Min. 300                                                                                                                         |
| 2                               | Soundness                                  |                     |                                                                                                                                  |
|                                 | a) Le Chatelier (mm)                       | 1.5                 | Max 10                                                                                                                           |
|                                 | b) Autoclave (%)                           | 0.04                | Max 0.8                                                                                                                          |
| 3                               | Setting Time (minutes)                     |                     |                                                                                                                                  |
|                                 | a) Initial                                 | 145                 | Min 30                                                                                                                           |
|                                 | b) Final                                   | 230                 | Max 600                                                                                                                          |
| 4                               | Compressive Strength (Mpa)                 |                     |                                                                                                                                  |
|                                 | a) 3 Days                                  | 23.3                | Min. 16                                                                                                                          |
|                                 | b) 7 Days                                  | 32.4                | Min. 22                                                                                                                          |
|                                 | c) 28 Days                                 | Results Awaited     | Min. 33                                                                                                                          |
| 5                               | %Drying Shrinkage                          | Results Awaited     | Max. 0.15                                                                                                                        |
| C                               | % of Flyash                                | 29.00               | Min 15 and Max 35                                                                                                                |

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

Date of Despatch: 26.02.2021 to 04.03.2021 Week No: 09



  
HOD (QA)