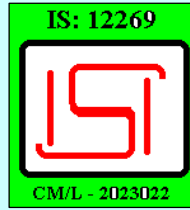


ACC

Doc.No.:WD/LAB/FM/08

WADI CEMENT WORKS WORKS TEST CERTIFICATE 53Gr.OPC



| | | DATE 29.01.2016 | |
|--|--|---|---|
| <u>Name & Address of the Consignee :</u> | | <u>DESPATCH PARTICULARS :-</u> | |
| BULK CEMENT CORPN.(INDIA) LTD, KALAMBOLI, NEW-MUMBAI. | | WEEK NO- 03 (15.01.2016 to 21.01.2016) | |
| | | Results | Requirements as per IS: 12269 : 2013 |
| 1 | CHEMICAL COMPOSITION : | | |
| | % Soluble Silica | 21.2 | |
| | % Alumina | 5.0 | |
| | % Iron Oxide | 3.9 | |
| | % Lime | 62.9 | |
| | % Magnesia | 0.9 | Not more than 6.0% |
| | % Insoluble Residue | 0.8 | Not more than 4.0% |
| | % Sulphur Calculated as SO ₃ | 2.8 | Not more than 3.5% |
| | % Loss On Ignition | 1.8 | --- Not more than 4.0 % |
| | LIME SATURATION FACTOR | 0.90 | --- Between 0.80 & 1.02 |
| | PROPORTION OF ALUMINA TO IRON OXIDE | 1.28 | --- Not less than 0.66 |
| | TRI CALCIUM ALUMINATE | 6.65 | |
| | % CHLORIDE | 0.025 | --- Not more than 0.1% |
| 2 | FINENESS : | | |
| | Specific Surface (m ² /kg) | 295.0 | --- Not less than 225 |
| 3 | COMPRESSIVE STRENGTH (MPa) : | | |
| | at 3-Days | 38.3 | --- Not less than 27 |
| | 7-Days | 48.3 | --- Not less than 37 |
| | 28-Days | Awaited | --- Not less than 53 |
| 4 | SETTING TIME (minutes) : | | |
| | Initial | 135.0 | --- Not less than 30 |
| | Final | 195.0 | --- Not more than 600 |
| 5 | SOUNDNESS : | | |
| | Le-Chatelier Expn. (mm) | 1.50 | --- Not more than 10 mm |
| | Autoclave Expn. (%) | 0.09 | --- Not more than 0.8 % |
| 6 | a) Normal Consistency (%) | 27.5 | |
| | b) Temp.during Testing (deg.C) : | 27+/-2 | |

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Chief Mgr.Q.A.