

## ABBREVIATIONS AND SYMBOLS

|                                     |   |
|-------------------------------------|---|
| © – Copyright                       | $\alpha$ – Alpha                                    |
| CAC – Calcium aluminate cement      | $\beta$ – Beta                                      |
| °C – Degree centigrade              | $\Delta$ – Delta                                    |
| gm – Gram(s)                        | % – Percentage                                      |
| HAC – High alumina cement           | AP – Apparent porosity                              |
| LCC – Low cement castable           | BD – Bulk density                                   |
| ULCC – Ultra low cement castable    | CCS – Cold crushing strength                        |
| ZCC – Zero cement castable          | CMOR – Cold modulus of rupture                      |
| sec – Second                        | HMOR – Hot modulus of rupture                       |
| Kg – Kilogram                       | TSR – Thermal shock resistance                      |
| DTA – Differential thermal analysis | EDS – Energy-dispersive X-ray spectroscopy          |
| TGA – Thermogravimetric analysis    | SEM – Scanning electron microscopy                  |
| m – Molar                           | FE-SEM- Field emission scanning electron microscopy |
| $\mu\text{m}$ – Micrometer          | TEM – Transmission electron microscopy              |
| nm – Nano meter                     | HAC70 – High alumina cement containing 70 % alumina |
| mm – Milimeter                      | HAC80 – High alumina cement containing 80% alumina  |
| cm–Centimeter                       | XRD – X- ray diffraction                            |
| min – Minutes                       | h – Hour  |