Notations

ACI  American Concrete Institute
AER  Air Entraining Admixture
Al   Aluminium
ASR  Alkali-silica reactivity
ASTM American Society of Testing Materials
Br   Bromine
BS   British Standards
C    Carbon
Ca   Calcium
CH   Calcium Hydroxide
Cl   Chlorine
CPF  Controlled Permeability Formwork
Cr   Chromium
CS   Compressive Strength
SPS  Split Tensile Strength
C-S-H Calcium-Silicate-Hydrate
DTA  Differential Thermal Analysis
EDS  Energy-Dispersive X-Ray Spectroscopy
FA   Fly ash
Fe   Iron
GGBS Ground Granulated Blast Furnace Slag
HPC  High Performance Concrete
HRWR High Range Water Reducer
HSC  High Strength Concrete
HVFA High volume fly ash
IS   Indian Standard
K    Potassium
Mg   Magnesium
MK   Metakaolin
MLS  Modified Lingo Sulfonates
Mn   Manganese
MRWR Mid Range Water Reducer
MS   Microsilica
Na   Sodium
O    Oxygen
OPC  Ordinary Portland Cement
P    Phosphorous
P    % of water required to produce a paste of standard consistency
Pd   Palladium
PFA  Pulverized Fuel Ash
PSC  Portland Slag Cement
Qc   Total charge passed in coulombs
RCPT Rapid Chloride Permeability Test
SCM  Supplementary Cementitious Material
SCMs Supplementary Cementitious Materials
SEM  Scanning Electron Microscope
SF   Silica Fume
Si   Silica
SMF  Sulfonated Melamine-Formaldehyde Condensates
SNF  Sulfonated Naphthalene Formaldehyde Condensates
SP   Superplasticizer
Ti   Titanium
UTM  Universal Testing Machine
V    Volts
vs   Versus
w/b  Water — binder ratio
w/c  Water — cement ratio
WR   Water Reducing Admixture
XEDS Energy-Dispersive X-ray Spectroscopy
%   Percentage