

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

AJEO Testing Labs Private Limited

13A/08 Site-2, Loni Road, Mohan Nagar,
Ghaziabad-201007, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2024/0037

Valid from: 02 February 2024

Valid until: 01 February 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in



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Biological Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
1.	Waste Water	Faecal Coliform	IS 1622:1981

Biological Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Drinking Water	Total Coliform	IS 15185: 2016
2.	Drinking Water	E. Coli	IS 15185: 2016



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
1.	Coarse Aggregates	Alkali Aggregate Reactivity (Soluble Silica)	IS2386 (Part-VII): 1963
		Chlorides	IS 14959 (Part-1): 2001
		Sulphate	BS 1881 (Part-124): 2015
		Sulphate	IS 4032: 1985
		Alkali Aggregate Reactivity (Reduction in Alkalinity)	IS 2386 (Part-VII): 1963
		Chloride	IS 14959 (Part-1): 2001
2.	Fine Aggregates	Alkali Aggregate Reactivity (Soluble Silica)	IS 2386 (Part-VII): 1963
		Chlorides	IS 14959 (Part-1): 2001
		Sulphate	BS 1881 (Part-124): 2015
		Sulphate	IS 4032: 1985
		Alkali Aggregate Reactivity (Reduction in Alkalinity)	IS 2386 (Part-VII): 1963
3.	Cement (OPC, PPC)	Alumina (Al ₂ O ₃)	IS 4032: 1985
		Chlorides (Cl)	IS 4032: 1985
		Insoluble Residue (IR)	IS 4032: 1985
		Iron Oxide (Fe ₂ O ₃)	IS 4032: 1985
		Lime (CaO)	IS 4032: 1985
		Magnesia (MgO)	IS 4032: 1985
		Potassium oxide (K ₂ O)	IS 4032: 1985
		Sodium oxide (Na ₂ O)	IS 4032: 1985
Sulphuric Anhydride (SO ₃)	IS 4032: 1985		

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
		Loss on Ignition	IS 4032: 1985
		Silica	IS 4032: 1985
4.	Fresh & Hardened Concrete	Sulphate	IS 2317: 1975
		Sulphate	BS 1881 (Part-124): 1988
5.	Fresh Mortar & Concrete	Water & Acid Soluble Concrete	IS 14959 (Part-1): 2001
		Water & Acid Soluble Chloride	IS 14959 (Part-2): 2001
6.	Admixture	Ash Content	IS 9103: 1999
		Chloride Content	IS 6925: 1973
		Dry Material Content	IS 9103: 1999
		pH Value	IS 9103: 1999
		Relative Density	IS 9103: 1999
		Sulphate	IS 4032: 1985
7.	Fly ash	Alumina (Al ₂ O ₃)	IS 1727: 1967
		Available Alkali (Na ₂ O)	IS 3812 (Part-1) (Annex-C): 2013
		Chlorides (Cl)	IS 4032: 1985
		Iron Oxide (Fe ₂ O ₃)	IS 1727: 1967
		Lime (CaO)	IS 1727: 1967
		Loss on Ignition (LOI)	IS 1727: 1967
		Magnesia (MgO)	IS 1727: 1967
		Potash (K ₂ O)	IS 1727: 1967
		Silica (SiO ₂)	IS 1727: 1967
		Soda (Na ₂ O)	IS 1727: 1967
		Sulphuric Anhydride (SO ₃)	IS 1727: 1967
8.	Gypsum	Free Lime	IS 2547 (Part-1): 1976
		Lime (Cao)	IS 1288: 1982
		Loss on Ignition (LOI)	IS 2547 (Part-1): 1976

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
		Soluble Magnesium Salts (MgO)	IS 2547 (Part-1): 1976
		Sodium Salts (Na ₂ O)	IS 2547 (Part-1): 1976
		Sulphates (SO ₃)	IS 1288: 1982
9.	Micro silica, Silica Fumes	Available Alkali (Na ₂ O)	IS 3812 (Part-1): 2013
		Available Alkali (Na ₂ O)	ASTM C311: 2011
10.	Micro silica	Loss on Ignition (LOI)	ASTM C311: 2011
		Loss on Ignition (LOI)	IS 1727: 1967
		Moisture	IS 15388: 2003
		Moisture	ASTM C311: 2011
		Silica (SiO ₂)	ASTM C311: 2011
		Silica (SiO ₂)	IS 1727: 1967
11.	Alloy Steel	Carbon	IS 228 (Part-1): 1987
		Chromium	IS 228 (Part-6): 1987
		Copper	IS 228 (Part-15): 1992
		Manganese	IS 228 (Part-2): 1987
		Molybdenum	IS 228 (Part-7): 1990
		Nickel	IS 228 (Part-5): 1987
		Phosphorus	IS 228 (Part-3): 1987
		Silicon	IS 228 (Part-8): 1989
		Sulphur	IS 228 (Part-9): 1989
12.	Carbon Steel	Carbon	IS 228 (Part-1): 1987
		Manganese	IS 228 (Part-2): 1987
		Molybdenum	IS 228 (Part-7): 1990
		Phosphorous	IS 228 (Part-3): 1987
		Silicon	IS 228 (Part-8): 1989
		Sulphur	IS 228 (Part-9): 1989

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
13.	Ferrous & Non-Ferrous metals	Thickness of Anodic Coating	IS 5523: 1983
		Thickness of Chrome Plating	IS 3203: 1982
		Thickness of Nickel Plating	IS 3203: 1982
14.	Steel Products	Adhesion of coating (knife Test)	IS 2629: 1985
		Mass of Zinc Coating	IS 6745: 1972
		Uniformity of Zinc Coating	IS 2633: 1986
15.	Stainless Steel	Carbon	IS 228 (Part-1): 1987
		Chromium	IS 228 (Part6): 1987
		Manganese	IS 228 (Part-2): 1987
		Molybdenum	IS 228 (Part-7): 1990
		Nickel	IS 228 (Part-5): 1987
		Phosphorus	IS 228 (Part-3): 1987
		Silicon	IS 228 (Part-8): 1989
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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
1.	Waste Water	COD	IS 3025 (Part-58): 2023
		BOD	IS 3025 (Part-44): 2023
		DO	IS 3025 (Part-38): 1989
		Oil and grease	IS 3025 (Part-39): 2021
		TSS	IS 3025 (Part-17): 2022
		Phosphate	IS 3025 (Part-31): 1988
		Ammonia as N	IS 3025 (Part-34): 1988
		Total Nitrogen	IS 3025 (Part-34): 1988



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Water For Construction	Sodium	IS 3025 (Part-45): 1993
		Acidity	IS 3025 (Part-22): 1986
		Alkalinity	IS 3025 (Part-23): 2023
		Chloride as cl	IS 3025 (Part-32): 1988
		Inorganic Solids	IS 3025 (Part-18): 2022
		Organic Solids	IS 3025 (Part-18): 2022
		pH Value	IS 3025 (Part-11): 2022
		Potassium	IS 3025 (Part-45): 1993
		Sulphate as SO ₃	IS 3025(Part-24): 1986
		Total Suspended Matter	IS 3025 (Part-17): 2022
2.	Drinking Water	Calcium as Ca	IS 3025 (Part-40): 1991
		Chloride	IS 3025 (Part-32): 1988
		Colour	IS 3025 (Part-4): 2021
		Fluoride	IS 3025 (Part-60): 2008/ APHA 4500 F
		Free residual chlorine	IS 3025 (Part-26): 2021
		Hexavalent Chromium (as Cr+6)	IS 3025 (Part-52): 2003
		Iron	IS 3025 (Part-53): 2003
		Magnesium as Mg	IS 3025 (Part-46): 2023
		Odor	IS 3025 (Part-5): 2018
		pH Value	IS 3025 (Part-11): 2022
		Potassium	IS 3025 (Part-45): 1993
		Silica as SiO ₂	IS 3025 (Part-35): 1988
		Sodium	IS 3025 (Part-45): 1993
		Sulphate as SO ₄	IS 3025 (Part-24): 1986
		Total Alkalinity as CaCO ₃	IS 3025 (Part-23): 2023
Total Dissolve Solid (TDS)	IS 3025 (Part-16): 2023		

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
		Total Hardness as CaCO ₃	IS 3025 (Part-21): 2009
		Turbidity	IS 3025 (Part-10): 2023
		Nitrate as NO ₃	IS 3025 (Part-34): 1988/ APHA 4500
		Ammonia as NH ₃	IS 3025 (Part-34): 1988



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
1.	Coarse Aggregate	Bulk Density	IS 2386 (Part-3): 1963
		Clay Lumps	IS 2386 (Part-2): 1963
		Coal & Lignite	IS 2386 (Part-2): 1963
		Combined Flakiness & Elongation Index	IS 2386 (Part-1): 1963
		Crushing Value	IS 2386 (Part-4): 1963
		Deleterious Material Finer than 75 Micron	IS 2386 (Part-1): 1963
		Aggregate Impact Value	IS 2386 (Part-4): 1963
		Los Angeles Abrasion Value	IS 2386 (Part-4): 1963
		Sieve Analysis 80.0 mm, 63.0 mm, 40 mm, 20.0 mm, 16.0 mm, 12.5 mm, 10.0 mm, 4.75 mm, 2.36 mm	IS 2386 (Part-1): 1963
		Soundness	IS 2386 (Part-5): 1963
		Specific Gravity	IS 2386 (Part-3): 1963
		Water Absorption	IS 2386 (Part-3): 1963
		2.	Fine Aggregate
Clay Lumps	IS 2386 (Part 2): 1963		
Coal and Lignite	IS 2386 (Part 2): 1963		
Material Finer than 75 microns	IS 2386 (Part 1): 1963		
Organic Impurities	IS 2386 (Part 2): 1963		
Sieve Analysis	IS 2386 (Part 1): 1963		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		(10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 0.600 mm, 0.300 mm, 0.150 mm)	
		Soundness	IS 2386 (Part 5): 1963
		Specific Gravity	IS 2386 (Part 3): 1963
		Water Absorption	IS 2386 (Part 3): 1963
3.	Fly ash	Fineness by Blaine's Air Permeability	IS 1727: 1967
		Particle retained on 45 microns	IS 1727: 1967
		Specific Gravity	IS 1727: 1967
		Lime Reactivity - Average Compressive Strength	IS 1727: 1967
		Compressive Strength at 28 days	IS 1727: 1967
4.	Micro Silica	Particle retained on 45 microns	IS1727: 1967
		Specific Gravity	IS 1727: 1967
5.	Gypsum	Normal Consistency	IS 2542 (Part-1/Sec-1): 2023
		Setting Time (Plaster Sand Mixture)	IS 2542 (Part-1/S-3): 2023
		Setting Time (Neat Plaster)	IS 2542 (Part-1/S-3): 2023
		Transverse Strength	IS 2542 (Part-1/S-4): 2023
		Soundness	IS 2542 (Part-1/S-6): 2023
		Mechanical Resistance of Set Neat Plaster	IS 2542 (Part-1/S-7): 2023
		Residue on 150 µm Sieve	IS 2542 (Part-1/S-8): 2023
		Expansion on setting	IS 2542 (Part-1/S-9): 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
6.	Cement - PPC	Consistency	IS 4031 (Part-4): 1988
		Density	IS 4031 (Part-11): 1988
		Initial Setting Time	IS 4031 (Part-5): 1988
		Final Setting Time	IS 4031 (Part-5): 1988
		Fineness (Blaine Air Permeability)	IS 4031 (Part-2): 1999
		Fineness (Dry Sieve Method)	IS 4031 (Part-1): 1996
		Soundness (Le-Chatelier Method)	IS 4031 (Part-3): 1988
		Soundness (By autoclave)	IS 4031 (Part-3): 1988
		Compressive Strength (672 Hours)	IS 4031 (Part-6): 1988
		Compressive Strength (168 Hours)	IS 4031 (Part-6): 1988
		Compressive Strength (72 hours)	IS 4031 (Part-6): 1988
		Drying Shrinkage	IS 4031 (Part-10): 1988
		7.	Cement - OPC
Density	IS 4031 (Part-11): 1988		
Initial Setting Time	IS 4031 (Part-5): 1988		
Final Setting Time	IS 4031 (Part-5): 1988		
Fineness (Blaine's Air Permeability)	IS 4031 (Part-2): 1999		
Fineness (Dry Sieve Method)	IS 4031 (Part-1): 1996		
Soundness (Le-Chatelier Method)	IS 4031 (Part-3): 1988		
Soundness (By autoclave)	IS 4031 (Part-3): 1988		
Compressive Strength (672 Hours)	IS 4031 (Part-6): 1988		
Compressive Strength (168 Hours)	IS 4031 (Part-6): 1988		
Compressive Strength (72 Hours)	IS 4031 (Part-6): 1988		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
8.	Admixture	Water Content Percent of control Sample	IS 9103: 1999
		Slump	IS 1199 (Part-2): 2018
		Time of setting Allowable deviation from control sample hours (INITIAL)	IS 1199 (Part-7): 2018
		Time of setting Allowable deviation from control sample hours (FINAL)	IS 1199 (Part-7): 2018
		Minimum Compressive Strength at 1 Day	IS 516 (Part-1)/Sec-1: 2021
		Minimum Compressive Strength at 3 Days	IS 516 (Part-1)/Sec-1: 2021
		Minimum Compressive Strength at 7 Days	IS 516 (Part-1)/Sec-1: 2021
		Minimum Compressive Strength at 28 Days	IS 516 (Part-1)/Sec-1: 2021
		Minimum Compressive Strength at 6 Months	IS 516 (Part-1)/Sec-1: 2021
		Minimum Compressive Strength at 1 Year	IS 516 (Part-1)/Sec-1: 2021
		Flexural Strength % of Control Sample 3 Days	IS 516 (Part-1)/Sec-1: 2021
		Flexural Strength % of Control Sample 7 Days	IS 516 (Part-1)/Sec-1: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Flexural Strength % of Control Sample 28 Days	IS 516 (Part-1)/Sec-1: 2021
		Length Change % Increase over control Sample	IS 516 (Part-6): 2020
		Bleeding Percent increase over percent sample of concrete	IS 9103: 1999 (Annexure - D)
		Loss of Workability on standing	IS 9103: 1999
		Air Content, %, Max, Over Control Sample	IS 1199 (Part-4): 2018
		Flow	IS 1199 (Part-6): 2018
9.	USE of Construction Water	Average Compressive Strength at 28 days, Over Control sample	IS 516 (Part-1)/Sec-1: 2021
		Initial Setting Time, Changes over Control sample	IS 4031 (Part-5): 1988
10.	Ceramic Tiles	Length	IS 13630 (Part-1): 2019
		Width	IS 13630 (Part-1): 2019
		Thickness	IS 13630 (Part-1): 2019
		Straightness of Side	IS 13630 (Part-1): 2019
		Surface Flatness	IS 13630 (Part-1): 2019
		Centre Curvature	IS 13630 (Part-1): 2019
		Edge Curvature	IS 13630 (Part-1): 2019
		Warpage	IS 13630 (Part-1): 2019
		Rectangularity	IS 13630 (Part-1): 2019
		Surface Quality	IS 13630 (Part-1): 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Scratch Hardness of Surface	IS 13630 (Part-13): 2019
		Water Absorption	IS 13630 (Part-2): 2019
		Crazing Resistance	IS 13630 (Part-2): 2019
		Bulk Density	IS 13630 (Part-2): 2019
		Resistance to Household Chemicals	IS 13630 (Part-8): 2019
		Resistance to Staining	IS 13630 (Part-8): 2019
		Modulus of rupture	IS 13630 (Part-6): 2019
		Breaking Strength	IS 13630 (Part-6): 2019
11.	Chequered Cement Concrete Tiles	Dimension-Length	IS 13801: 2013
		Dimension- Width	IS 13801: 2013
		Dimension- Thickness	IS 13801: 2013
		Flatness of the Surface	IS 13801: 2013
		Perpendicularity	IS 13801: 2013
		Straightness	IS 13801: 2013
		Thickness of wearing layer	IS 13801: 2013
		Water Absorption %	IS 13801: 2013
		Wet Transverse Strength	IS 13801: 2013
		Resistance to Wear	IS 13801: 2013
12.	Cement Concrete Flooring Tiles	Dimension-Length	IS 1237: 2012
		Dimension- Width	IS 1237: 2012
		Dimension- Thickness	IS 1237: 2012
		Flatness of the Surface	IS 1237: 2012
		Perpendicularity	IS 1237: 2012
		Straightness	IS 1237: 2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Thickness of wearing layer	IS 1237: 2012
		Water Absorption %	IS 1237: 2012
		Wet Transverse Strength	IS 1237: 2012
		Resistance - Wear	IS 1237: 2012
13.	Stone (Granite, Kota, Marble)	Density	IS 13030: 1991
		Moisture Content	IS 13030: 1991
		Apparent Specific Gravity	IS 1124: 1974
		True Specific Gravity	IS 1122: 1974
		Water Absorption	IS 1124: 1974
		Apparent Porosity	IS 1124: 1974
		Hardness (Moh's Scale)	IS 13630 (Part-13): 2019
14.	Stone (Granite)	Dimension (Length)	IS 14223 (Part-1): 1995
		Dimension (Width)	IS 14223 (Part-1): 1995
		Dimension (Thickness)	IS 14223 (Part-1): 1995
15.	Stone (Marble)	Dimension (Length)	IS 1130: 1969
		Dimension (Width)	IS 1130: 1969
		Dimension (Thickness)	IS 1130: 1969
16.	Flush Door - (Solid Core Type)	Thickness	IS 4020 (Part-2): 1998
		Width	IS 4020 (Part-2): 1998
		Height	IS 4020 (Part-2): 1998
		Twist	IS 4020 (Part-3): 1998
		Cupping	IS 4020 (Part-3): 1998
		Wrapping	IS 4020 (Part-3): 1998
		Local Planeness Test	IS 4020 (Part-4): 1998

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Impact Indentation Test	IS 4020 (Part-5): 1998
		Impact Indentation Test (Depth of Indentation)	IS 4020 (Part-5): 1998
		Shock Resistance Test	IS 4020 (Part-8): 1998
		Flexure Test (Residual Deflection)	IS 4020 (Part-6): 1998
		Flexure Test (Deflection at Maximum load)	IS 4020 (Part-6): 1998
		Edge loading Test (Residual Deflection)	IS 4020 (Part-7): 1998
		Edge loading Test (Deflection of the edge at maximum load)	IS 4020 (Part-7): 1998
		Buckling Resistance Test	IS 4020 (Part-9): 1998
		Buckling Resistance Test (Residual Deformation)	IS 4020 (Part-9): 1998
		Buckling Resistance Testm (initial deflection)	IS 4020 (Part-9): 1998
		Slamming Test	IS 4020 (Part-10): 1998
		Misuse Test	IS 4020 (Part-11): 1998
		End Immersion Test	IS 4020 (Part-13): 1998
		Knife Test	IS 4020 (Part -14): 1998
		Glue Adhesion Test	IS 4020 (Part -15): 1998
		Screw Withdrawal Strength	IS 4020 (Part-16): 1998
17.		Classification	IS 15477: 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
	Adhesives for use with Ceramic, Mosaic and Stone tiles	Tensile Adhesion Strength (Dry Condition)	IS 15477: 2019 Annex A
		Tensile Adhesion Strength (Wet Condition)	IS 15477: 2019 Annex A
		Shear Adhesion Strength (Dry Condition)	IS 15477: 2019 Annex B
		Shear Adhesion Strength (Heat Ageing Condition)	IS 15477: 2019 Annex B
		Shear Adhesion Strength (Wet Condition)	IS 15477: 2019 Annex B
		Open Time	IS 15477: 2019 Annex C
		Adjustment Time	IS 15477: 2019 Annex D
		Slip - Required for Application only	IS 15477: 2019 Annex E
		Deformability Required for Vertical Application Only	IS 15477: 2019 Annex F
18.	Hollow and Solid Concrete Blocks	Classification	IS 2185 (Part-1): 2005
		General	IS 2185 (Part-1): 2005
		Nominal Dimensions - Length	IS 2185 (Part-1): 2005 (Annex B)
		Nominal Dimensions - Height	IS 2185 (Part-1): 2005 (Annex B)
		Nominal Dimensions- Width	IS 2185 (Part-1): 2005 (Annex B)
		Nominal Dimensions- thickness of the face shell	IS 2185 (Part-1): 2005
	Nominal Dimensions- thickness of the Web shell	IS 2185 (Part-1): 2005	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Block Density	IS 2185 (Part-1): 2005 Annex C
		Compressive Strength	IS 2185 (Part-1): 2005 Annex D
		Water Absorption	IS 2185 (Part-1): 2005 Annex E
		Drying Shrinkage	IS 2185 (Part-1): 2005 Annex F
		Moisture Movement	IS 2185 (Part-1): 2005 Annex G
		Classification	IS 2185 (Part-2): 1983
		Surface Texture	IS 2185 (Part-2): 1983
		General	IS 2185 (Part-2): 1983
		Dimension- Length	IS 2185 (Part-2): 1983 Appendix A
		Dimension- Height	IS 2185 (Part-2): 1983 Appendix A
		Dimension- Width	IS 2185 (Part-2): 1983 Appendix A
		Nominal Dimensions-thickness of the face shell	IS 2185 (Part-2): 1983 Appendix A
		Nominal Dimensions-thickness of the Web shell	IS 2185 (Part-2): 1983 Appendix A
		Blocks with Special faces	IS 2185 (Part-2): 1983
		Compressive Strength - Solid Blocks	IS 2185 (Part-2): 1983 Appendix C
		Compressive Strength - (Load bearing - Hollow)	IS 2185 (Part-2): 1983 Appendix C
		Compressive Strength - (Non-Load bearing - Hollow)	IS 2185 (Part-2): 1983 Appendix C
		Block Density	IS 2185 (Part-2): 1983 Appendix B
		Water Absorption	IS 2185 (Part-2): 1983 Appendix D
		Water Absorption	IS 2185 (Part-2): 1983 Appendix D
19.	Hollow And Solid Light Weight Concrete Blocks		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Drying Shrinkage	IS 2185 (Part-2): 1983 Appendix E
		Moisture Movement	IS 2185 (Part-2): 1983 Appendix E
20.	Autoclave Cellular aerated concrete Blocks	Dimension -Length	IS 2185 (Part-3): 1984
		Dimension-Height	IS 2185 (Part-3): 1984
		Dimension-Width	IS 2185 (Part-3): 1984
		General (Exposed wall construction)	IS 2185 (Part-3): 1984
		Shape	IS 2185 (Part-3): 1984
		Faces & arises	IS 2185 (Part-3): 1984
		Special Faces	IS 2185 (Part-3): 1984
		Block density	IS 2185 (Part-3): 1984
		Moisture Content	IS 6441 (Part-1): 1972
		Compressive strength	IS 2185 (Part-3): 1984
		Drying Shrinkage	IS 6441 (Part-2): 1972
		Thermal Conductivity	IS 3346: 1980
			Fire Test (up - 1200 °C) (3 Mtr X 3Mtr X 1.2 Mtr)
21.	Autoclaved Reinforced Cellular Concrete Floor And Roof Slabs	Classification	IS 6073: 2006
		Designation	IS 6073: 2006
		Length	IS 2185 (Part-3): 1984
		Width	IS 2185 (Part-3): 1984
		Thickness	IS 2185 (Part-3): 1984

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Warp	IS 2185 (Part-3): 1984
		Torsion	IS 2185 (Part-3): 1984
		Edge Straightness	IS 2185 (Part-3): 1984
		Squareness of angle between adjacent faces	IS 2185 (Part-3): 1984
		Bulk Density	IS 6441 (Part-1): 1972
		Physical requirements- Compressive strength	IS 6441 (Part-5): 1972
		Drying Shrinkage	IS 6441 (Part-2): 1972
		Thermal Conductivity	IS 3346: 1980
		Fire Resistance, 2 h	IS 3809: 1979
		General Requirement	IS 12894: 2002
		General Requirement-Without Frog	IS 12894: 2002
		General Requirement - With Frog	IS 12894: 2002
		Classification	IS 12894: 2002
		Dimensions -Length	IS 12894: 2002
		Width	IS 12894: 2002
		Height	IS 12894: 2002
		Average Wet Compressive Strength	IS 3495 (Part-1): 2019 (Annexure B)
		Drying Shrinkage	IS 4139: 1989
		Efflorescence	IS 3495 (Part-3): 2019
		Water Absorption	IS 3495 (Part-2): 2019
22.	Pulverized Fuel Ash-Lime Bricks		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
23.	Pulverized Fuel Ash-Cement Bricks- Specification	General Requirement- Without Frog	IS 16720: 2018
		Dimensions- Length (L)	IS 16720: 2018 fig.1A &1B
		Dimensions- Width (B)	IS 16720: 2018 fig.1A &1B
		Height (H) - Individual	IS 16720: 2018 fig.1A &1B
		Dimensions- Frog Depth (Classification)	IS 16720: 2018 Table 1
		(General)	IS 16720: 2018
		Density	IS 2185 (Part-1): 2005 Annex C
		Compressive Strength - Individual	IS 3495 (Part-1): 2019 (Annexure- B)
		Compressive Strength - Average Wet Compressive strength	IS 3495 (Part-1) 2019 (Annexure -B)
		Drying Shrinkage	IS 4139: 1989
		Water Absorption	IS 3495 (Part-2): 2019
		24.	Concrete Paving Blocks - Specification
Bonding and Delamination between the layers of paver blocks	IS 15658: 2021		
(General Quality)	IS 15658: 2021		
(Visual Inspection)	IS 15658: 2021		
(Colour and Texture)	IS 15658: 2021		
(Width, W)	IS 15658: 2021 Annexure - B		
(Length, L)	IS 15658: 2021 Annexure - B		
Thickness, Th	IS 15658: 2021 Annexure - B		
Aspect Ratio, (L/Th)	IS 15658: 2021 Annexure - B		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Arris/Chamfer	IS 15658: 2021 Annexure - B
		Thickness of Wearing Layer	IS 15658: 2021 Annexure - B
		Plan Area, Asp	IS 15658: 2021 Annexure - B
		Wearing Area, Asw	IS 15658: 2021 Annexure - B
		Ratio of wearing and plan area,	IS 15658: 2021 Annexure - B
		Deviation from squareness	IS 15658: 2021 Annexure - B
		Individual Water absorption)	IS 15658: 2021 Annexure - C
		Water absorption (Average of three test specimens)	IS 15658: 2021 Annexure - C
		Individual Compressive strength	IS 15658: 2021 Annexure - D
		Compressive strength (Average of eight test specimens)	IS 15658: 2021 Annexure - D
		Individual Dry Abrasion Resistance	IS 15658: 2021 Annexure - E
		Dry Abrasion resistance (Average of three test specimens)	IS 15658: 2021 Annexure - E
		Individual Wet Abrasion Resistance	IS 15658: 2021 Annexure - E
		Wet Abrasion resistance (Average of three test specimens)	IS 15658: 2021 Annexure - E
		Individual Tensile splitting strength	IS 15658: 2021 Annexure - F
		Average Tensile splitting strength	IS 15658: 2021 Annexure - F
		Failure Load per unit length	IS 15658: 2021 Annexure - F
		Individual Flexural strength	IS 15658: 2021 Annexure - G

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Average Flexural strength	IS 15658: 2021 Annexure – G
		Breaking Load	IS 15658: 2021 Annexure - G
25.	Hardened Concrete Core	Compressive Strength	IS 516 (Part-4): 2018
26.	Hardened Concrete	Water Permeability coefficient (5 bar 4 cycles)	AS per CPWD Vol. 2
		Chloride migration coefficient	NT Built 492: 1999
		Chloride migration coefficient	SIA 262/1-B: 2013
		Carbonation Resistance	SIA 262-I
		Compressive Strength	IS 516 Part-1 (Sec-1): 2021
		Drying Shrinkage	IS 516 Part-6: 2020
		RCPT	ASTM C1202: 2019
		Water absorption	BS 1881 (Part-122): 1983
		Water Permeability (72 Hours) at 5 Bar	DIN 1048 (Part-5): 1991
		Water Permeability (72 Hours) at 5 Bar	EN 12390-8: 2000
		Water Permeability (72 Hours) at 5 Bar	IS 516 (Part-2 Sec-1): 2018
		Water permeability at 16 bar	AS per CPWD Vol. 2
27.	Cement Mortar Coating	Pull out	ASTM D 4541: 2022
28.	Water Proofing Coating	Pull out	ASTM D 4541: 2022
29.	APP Modified HMHDPE Bituminous water proofing	Classification	IS 16540: 2017
		Dimension - Length	IS 16540: 2017
		Dimension - Width	IS 16540: 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
	and Damp proofing Membrane	Dimension - Thickness	IS 16540: 2017
		Weight	IS 16540: 2017
		Softening Point	IS 1205: 2022
		Tensile Strength (Plain)	IS 13826 (Part-1): 1993
		Tensile Strength (Aluminium)	IS 13826 (Part-1): 1993
		Elongation (Plain)	IS 13826 (Part-1): 1993
		Elongation (Aluminium)	IS 13826 (Part-1): 1993
		Heat Resistance, 2 H at 100 °C	IS 13826 (Part-5): 1994
		Penetration, 25°C, 100 g, 5 S	IS 1203: 2022
		Water absorption	IS 13826 (Part-6): 1993
30.	High Density Polyethylene (HDPE) Geo membranes for Lining	Length	IS 7016 (Part-1): 1982
		Width	IS 7016 (Part-1): 1982
		Average Core Thickness	IS 16352: 2020
		Lowest Individual of 10 thickness	IS 16352: 2020
		Average Asperity Height	IS 16352: 2020
		Tensile Strength	IS 16352: 2020 (Annexure B)
		Breaking Strength	IS 16352: 2020 (Annexure B)
		Yield Elongation	IS 16352: 2020 (Annexure B)
		Breaking Elongation	IS 16352: 2020 (Annexure B)
		Tear Resistance	IS 16352: 2020 (Annexure C)
		Puncture Resistance	IS 16352: 2020 (Annexure D)
		Hydro-static Resistance, up to 20 Kg/cm ²	IS 16352: 2020 (Annexure F)
		Seam Strength	IS 16352: 2020 (Annexure G)
		Carbon black content	IS 2530: 1963

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Carbon Black Dispersion	IS 2530: 1963
		Retention of breaking Strength after UV Exposure of 144 Hours	IS 16352: 2020 (Annexure H)
31.	HDPE Membrane/ HDPE Liner/ Water proofing Membrane/Polymer products	Tensile Strength	ASTM D 412: 2016
		Elongation	ASTM D 412: 2016
		Hardness (Shore A)	ASTM D 2240: 2015
		Hardness (Shore D)	ASTM D 2240: 2015
		Melt Flow Index	ASTM D 1238: 2010
		Puncture Resistance	ASTM D 4883: 2018
32.	Fire Doors and Door Sets- Specification	Classification	IS 3614: 2021
		Size of Vision pane (glass)	IS 3614: 2021
		Types of Doors	IS 3614: 2021
		Fire Rating- Integrity	IS 17518 (Part-1):2022
		Fire Rating - Insulation	IS 17518 (Part-1):2022
		Types of fire rated hinged doors	IS 3614: 2021
		Types of fire rated hinged doors - Material	IS 3614: 2021
33.	Fire Doors and Door Sets Specification (Metallic)	Fire rated Hinged Doors (Metallic)- Width	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Height	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) total Area	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Door Construction label	IS 3614: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Fire rated Hinged Doors (Metallic) - Fire Door frame Size (Profile Size- Width)	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Fire Door frame Size (Profile Size- Height)	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Fire Door frame (Depth)	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Fire Door frame (Type)	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Fire Door frame (Sheet Thickness)	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Fire Door frame (Depth)	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Door Leaf thickness	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Door Leaf width	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Door LEAF - Height	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Door Leaf - Undercut	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - intumescent seal - Model	IS 3614: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Fire rated Hinged Doors (Metallic) - intumescent seal -Width	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Builder's hardware - Other Hardwares Device -Make, Model & Type	IS 3614: 2021
		Fire rated Hinged Doors (Metallic) - Door Eye Viewer hole	IS 3614: 2021
34.	Fire Doors and Door Sets- Specification (Wooden Composite)	Fire rated Hinged Doors (Wooden Composite) - Material	IS 3614: 2021
		Fire rated Hinged Doors (Wooden Composite) - Moisture content	IS 11215: 1991
		Fire rated Hinged Doors (Wooden Composite) - Sizes - Width	IS 3614: 2021
		Fire rated Hinged Doors (Wooden Composite) - Sizes - Height	IS 3614: 2021
		Fire rated Hinged Doors (Wooden Composite) - Sizes - Total Area	IS 3614: 2021
		Fire rated Hinged Doors (Wooden Composite) - Construction - Door frames rating certification	IS 3614: 2021
		Fire rated Hinged Doors (Wooden Composite) - Intumescent Seal- Make & Model	IS 3614: 2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Fire rated Hinged Doors (Wooden Composite) - Intumescent Seal-Width	IS 3614: 2021
		Fire rated Hinged Doors (Wooden Composite) - Intumescent Seal-Thick	IS 3614: 2021
		Fire rated Rolling shutters - Metallic - Type of shutter	IS 3614: 2021
		Fire rated Rolling shutters - Metallic - Size -Total Area	IS 3614: 2021
		Fire rated Rolling shutters - Metallic -Size - Width	IS 3614: 2021
		Fire rated Rolling shutters - Metallic - Size-Height	IS 3614: 2021
35.	Fire Doors and Door Sets- Specification (Rolling Shutter - Metallic)	Fire rated Rolling shutters - Metallic - Rolling Shutter-thickness	IS 3614: 2021
		Fire rated Rolling shutters - Metallic - Rolling Shutter- inter-lock	IS 3614: 2021
		Fire rated Rolling shutters - Metallic - End Lock- Thickness	IS 3614: 2021
		Fire rated Rolling shutters - Metallic - General Requirements - Fire rating	IS 3614: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
36.	Fire Doors and Door Sets- Specification (Sliding Door)	Fire rated Sliding Door (Metallic) - type	IS 3614: 2021
		Fire rated Sliding Door (Metallic) - Closing device	IS 3614: 2021
		Fire rated Sliding Door (Metallic) - Material	IS 3614: 2021
		Fire rated Sliding Door (Metallic) - Sizes -Total Area	IS 3614: 2021
		Fire rated Sliding Door (Metallic) - Sizes - Width	IS 3614: 2021
		Fire rated Sliding Door (Metallic) - Sizes - Height	IS 3614: 2021
		Fire rated Sliding Door (Metallic) - Individual panel weight	IS 3614: 2021
		General Retirements of Fire Doors - Fire rating	IS 3614: 2021
		General Retirements of Fire Doors - Smoke Seal	IS 3614: 2021
			Marking and Labelling
37.	Building Construction Materials	Fire Resistance Test	ASTM E 119: 2020
38.	Door & Windows	Fire Resistance Test	EN 1364-1: 2015
		Fire Resistance Test	BS 476-20: 1987
		Fire Resistance Test -Non-Load Bearing Structures	BS 476- 22: 1987

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material	Fire Resistance Test	BS EN 1634-1: 2014
39.		Fire Resistance Test - Glazed Elements (Building Construction)	Fire Resistance Test
40.	Fire Resistance Test for Structures (Doors & Windows)	Fire Resistance Test	IS 3809: 1979
41.	Doors & Shutter	Fire Resistance - General Requirements	IS 17518 (Part-1): 2022
42.	Fire Resistance Test for Structures (Wall, Floor & ceiling panels)	Fire Resistance Test	IS 3809: 1979
43.	Wall, Floor and Ceiling Panels	Fire Resistance Test	EN 1364-1: 2015
		Fire Resistance Test	BS 476-20: 1987
		Fire Resistance Test -Non-Load Bearing Structures	BS 476- 22: 1987
		Fire Resistance Test	BS EN 1634-1: 2014
44.	Gypsum Board Products	Fire Resistance Test	IS 3809: 1979
		Fire Resistance Test	EN1364-1: 2015
		Fire Resistance Test	BS 476-20: 1987
		Fire Resistance Test -Non-Load Bearing Structures	BS 476- 22: 1987
		Fire Resistance Test	BS EN 1634-1: 2014
45.	Reinforcement Steel	Tensile Strength	IS 1608 (Part-1): 2022
		Elongation	IS 1608 (Part-1): 2022
		Yield stress	IS 1608 (Part-1): 2022

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Scope of Accreditation

AJEO Testing Labs Private Limited

13A/08 Site-2, Loni Road, Mohan Nagar,
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QAI/CIA/TL/2024/0037

Valid from: 02 February 2024

Valid until: 01 February 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		TS/YS Ratio	IS 1608 (Part-1): 2022
		Bend Test	IS 1786: 2008
		Rebend Test	IS 1786: 2008
		Mass/meter	IS 1786: 2008
46.	Seven Ply Strand for pre-stressed Concrete (H.T.S. Wire)	Mass of strand	IS 14268: 2022
47.	Coupler	Tensile Strength	IS 1608 (Part-1): 2022
48.	Ferrous Materials, Alloys & Products	Elongation	EN 10002 (Part-1): 2001
		Nut – Proof Load	IS 1367 (Part-6): 2018
		Vicker Hardness (HV30)	IS 1501 (Part-1): 2020
		Bend Test	IS 1599: 2023
		Bend Test	API 1104:2017
		Bend Test	IS 277: 2018
		Bend Test	BS EN ISO 5173:2010
		Bend Test	ASTM A 370:2020
		Bend Test	ASME Section IX:2019
		Elongation	ASTM A 370: 2020
		Elongation	ASME SEC 2 C: 2017
		Flaring test (Drift expending test)	IS 2335: 2005
		Impact Charpy (v) (ambient - 196°C)	IS 1757 (Part-1):2014
		Macro Examination	ASME Sec IX: 2019
		Macro Examination	IS 12037: 2023
Macro Examination	IS 7307 (Part-1): 1974		
Macro Examination	IS 11371: 2022		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
		Macro Examination	IS 7310 (Part-1): 2019
		Of set Proof Stress (0.2%, 0.5%)	IS 1608 (Part-1): 2022
		Rockwell Hardness Number (C Scale)	IS 1586 (Part-1): 2018
		Vicker Hardness (HV10)	ASTM E 92: 2017
		Vicker Hardness (HV5)	ASTM E 92: 2017
		Vicker Hardness (HV10)	BS EN ISO 9015-1: 2011
		Vicker Hardness (HV10)	ASTM E 384: 2017
		Vicker Hardness (HV10)	IS 1501 (Part-1): 2020
		Vicker Hardness (HV30)	ASTM E 92: 2017
		Vicker Hardness (HV5)	ASTM E 384: 2017
		Vicker Hardness (HV30)	ASTM E 384: 2017
		Vicker Hardness (HV5)	BS EN ISO 9015-1: 2011
		Yield Stress	ASTM A 370: 2017
		Yield Stress	IS 1608 (Part-1): 2022
		VickerHardness-HV05	IS 1501 (Part-1): 2020
		Elongation	IS 1608 (Part-1): 2022
		Rockwell Hardness Number (B Scale)	ASTM E 18: 2020
		Rockwell Hardness Number (C Scale)	ASTM E 18:2020
		Rockwell Hardness Number (B Scale)	IS 1586 (Part-1): 2018
		Brinell Hardness Test	IS 1500 (Part-1): 2019
		Tensile Strength	IS 1608 (Part-1): 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Material		
49.	Metallic materials Tube	Flattening test	IS 2328: 2018
		Flattening test	ASTM A530/530 M: 2012



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Accreditation Standard: ISO/IEC 17025:2017

Non-Destructive Test			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Concrete		
1.	NDT Test	Ultrasonic Pulse Velocity Tests	IS 516 (Part-5/Sec-1): 2018
		Rebound Hammer Test	IS 516 (Part-5/Sec-4): 2020
		Carbonation test	IS 516 (Part-5/Sec-3): 2021
		Crack Depth measurement in reinforcement concrete structures	IS 516 (Part-5/Sec-1): 2018
		Half-Cell Potential	ASTM C 876: 2015
		Pile integrity Test	ASTM D 5882: 2016
		Cover Depth Test	IS 516 (Part-5/Sec-1): 2018

