

Schedule

CAST Laboratories Pte Ltd
17 Tuas Ave 8
Singapore 639232

Certificate No. : LA-1988-0023-B
Issue No. : 34
Date : 4 October 2026
Expiry of Certificate : 27 October 2030
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ACCREDITATION STANDARD: ISO/IEC 17025: 2017
FIELD OF TESTING : Civil Engineering Testing

ITEMS/MATERIALS/ PRODUCTS TESTED	TESTS/PROPERTIES	STANDARD METHODS/ TECHNIQUES EQUIPMENT	APPROVED SIGNATORY
A. Aggregates	1. LA Abrasion value (Resistance to Fragmentation)	ASTM C131/131M-20 SS 73 : 1974 BS EN 1097-2: 2020	) KYS/LEH/TG))))
	2. Bulk Density & Voids	BS 812-2 : 1995 SS 73 : 1974 BS EN 1097 -3:1998	)))))
	3. Crushing Value	BS 812:Pt 110:1990 SS 73 : 1974	)))))
	4. Elongation Index	BS 812 : Pt 105.2 : 1990 SS 73 : 1974	)))))
	5. Flakiness Index	BS 812 : Pt 105.1 : 1989 SS 73 : Pt 5.1 : 1992 BS EN 933 -3 : 2012	)))))))
	6. Impact Value	BS 812 : Pt 112 : 1990 SS 73 : 1974	)))))))
	7. Organic Impurities	ASTM C40/C40M-20	)))))))
	8. Silt Content	SS 73: 1974 (1992)	)))))))
	9. Particle Size Distribution	BS 812 : Pt 103.1 : 1985 SS 73:1974 BS EN 933-1 : 2012.	)))))))
	10. Particle Density /Water Absorption	BS 812-2 : 1995 SS 73 : 1974 BSEN 1097-6 : 2022	) KYS/LEH/TG))))))
	11. Fine Content	BS EN 933 -1 : 2012	)))))))

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B. Bricks	12. Water Content (Moisture Content Oven Dry Method)	BS EN 1097-5 : 2008	)
	13. 10% Fine Value	BS 812 : Pt 111 : 1990 SS 73 : 1974	)
	14. Shell content	BS EN 933-7 : 1998	)
	15. Potential Alkali Reactivity for Aggregates (Mortar Bar Method)	ASTM C1260 - 23	) FSM/KYS/TG
	16. Particle Density of filler	BS EN 1097- 7: 2022	) KYS/TG
	17. Methylene Blue	BS EN 933-9 : 2022	)
	18. shape index	BS EN 933 – 4 : 2008	)
	19. Test for Thermal and Weathering Properties of Aggregates Part 4: Determination of Drying Shrinkage	BS EN 1367-4 : 2008	) FSM/KYS/TG
	20. Sampling	BS EN 932-1 : 97	) KYS/LEH/TG
	21. Materials Finer than 75 µm	ASTM C117-23	)
	22. Sand Equivalent Test	BS EN 933-8: 2012+A1: 2015	) KYS/TG
	23. Percentage of Fractured Particles	ASTM D5821-13 (2025)	)
	24. Water Absorption (coarse)	ASTM C127-25	) KYS/TG
	25. Water Absorption (fine)	ASTM C128-25	)
	26. Sieve Analysis	ASTM C136/C136M-25	)
	1. Compressive Strength	SS 103 : 1974 (Confirmed 1989) BS EN 772 - 1 : 2011 +A1: 2015	) KYS/FSM/TG/ST
	2. Dimensions	SS 103 : 1974 (Confirmed 1989) BS EN 772 - 16 : 2011	)

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C. Concrete 1. Hardened Concrete	3. Water Absorption	BS EN772 – 7 :1998 SS 103 : 1974 (except Method V, Confirmed 1989)	) KYS/FSM/TG/ST)))))
	4. Determination of total / Salts content	SS 103 : 1974 (Confirmed 1989)	)))))
	5. Efflorescence Test	SS 103 : 1974 (Confirmed 1989)	)))))
	1. Compression Test on Cubes	BS EN 12390: Pt 3: 2019	) KYS/ FSM/CYK/) /TG ST/PCW
	2. Compression Test on Cylinders	ASTM C39 / C39M-2026 BS EN 12390: Pt 3: 2019	) KYS/FSM/TG/ST)
	3. Compression Test on Concrete Cores	(BS EN 12504: Pt 1: 2019) BS EN 12390: Pt 3: 2019 ASTM C39 / C39M-2026	))))
	4. Density Test on Hardened concrete/ cores (a) as-received density (b) oven-dried density (c) saturated density	BS EN 12390 : Pt 7 : 2019	) KYS/FSM/CYK/) TG/ST/PCW)))
	5. Flexural Strength	BS EN 12390: Pt 5: 2019	) KYS/FSM/TG/ST)
	6. Water Absorption	BS 1881: Pt 122: 2011 + A1: 2020	)))
	7. Indirect Tensile Strength (Splitting Tensile Strength)	BS EN 12390: Part 6:2023	) KYS/FSM/TG/ST)))
	8. Rapid Chloride Penetration Test	ASTM C1202-25	) KYS/FSM/TG/ST
	9. Absorption & Permeability Voids Test	ASTM C642-2021	) KYS/FSM/TG/ST
	10. Depth of Penetration of Water Under Pressure	DIN 1048 Part 5 : 1991 BS EN 12390-8: 2019	) KYS/FSM/TG/ST)
	11. Initial Surface Absorption Test	BS 1881 : Pt208 : 1996	) KYS/FSM/TG/ST

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2. Hardened Concrete NDT	12. Measuring the flexural tensile strength (limit of proportionality (LOP), residual)	BS EN 14651: 2005+A1: 2007	) KYS/FSM/BL/) TG))))
	13. Measuring the fibre content in fresh and hardened Concrete	BS EN 14721: 2005+A1: 2007	)))
	14. Flexural Performance of Fiber-Reinforced Concrete (Using Beam with Third point Loading)	ASTM C1609/C1609M-24	) KYS/FSM/BL/) TG
	15. Flexural Toughness of Fiber Reinforced Concrete (Using Centrally Loaded Round Panel)	ASTM C1550-26	) KYS/FSM/BL/) TG/ST))
	16. Testing Sprayed Concrete Part 3: Flexural Strength (first peak, ultimate and Residual) of fibre reinforced Beam Specimens	BS EN 14488-3 : 2023	) KYS/FSM/BL/) TG/ST)))
	17. Testing Sprayed Concrete Part 5: Determination of Energy Absorption Capacity of Fibre Reinforced Slab Specimen	BS EN 14488-5: 2006	) KYS/FSM/BL/) TG/ST)))
	1. Covermeter Test	BS 1881 Pt 204 : 1988 SS78 : Pt B4:1992, 2013 SS78 : Pt B4:1992, 2018	) LEH/MURU/NN))))
	2. Ultrasonic Pulse Velocity Test	BS EN 12504-4 : 2021 (Longitudinal Waves Only) SS 78 : Pt B3 : 1992 ASTM C597- 22	)))))
	3. Rebound Hammer Test	SS 78: Pt B2 :1992 BS EN 12504-2 : 2021	) LEH/MURU/NN)))
	4. Penetration Resistance Test	ASTM C803/803M-2023 ASTM C803/803M-2025	)))
	5. Half-cell potential Measurement	ASTM C876- 22B	) LEH/MURU)

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vi. Concrete Flags/ Slabs/Kerb	1. Bending Strength	BS 7263-1 : 2001	) KYS/ FSM))
	2. Total Water Absorption	BS EN 1339 : 2003 Annex E	))))
	3. Layer Thickness	CAST/BTD/CFS/002/12	)
vii. Precast Concrete Units/ Concrete Kerbs/ Dividers/ Channels	1. Total Water Absorption	SS 214 : 2022 BS EN 1340 : 2003 Annex E	) KYS/ FSM))
viii Ferro-cement Slab	1. Dimensional measurement	CAST/ MAT /TM/ 010-99	) KYS/ FSM)
	2. Initial surface absorption test	BS 1881 : Pt 208 :1996	)))
	3. Carbonation test	BS EN 14630:2006	)
D. Hot Dip Galvanised Steel	1. Thickness of Coating	BS EN ISO 1461: 2022	) MURU
E. Bituminous Mixtures	1. Bitumen Content	ASTM D2172 / D2172M-24 (Method A – Centrifuge Extraction)	) KYS/TG/MI))
	2. Measurement of density of cores	BS 598 : Pt 104 : 2005 (Clause 4)	) KYS/CH/TG/MI
	3. Bulk Specific Gravity and Density	ASTM D2726 / D2726M - 21	) KYS/CH/TG/MI
	4. Marshall Test	BS 598 : Pt 107 : 2004	) KYS/TG/MI)
	5. Resistance to Plastic Flow (Stability and Flow)	ASTM D1559-89	))))
	6. Marshall Stability and Flow (Dense-graded mixtures)	ASTM D6927-22	)))))))
	7. Particle Size Distribution	BS 812 : Pt 103.1 : 1985 BS EN 933 - 1 : 2012	)))))))
	8. Percentage Voids Density of Core Method	BS 598 : Pt 104 : 2005 Annex E	)))

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i. Pavement and Asphalt Materials ii. Asphalt Concrete Paving Mixture	9. Thickness of Core	ASTM D3549/D3549M-18 (2023)	) KYS/CH/TG/MI
	10. Bitumen Content by Ignition Method	ASTM D6307-19 (Method A)	) KYS/TG/MI)
	11. Determination of Wheel-Tracking Rate (Dry)	BS 598 : Pt 110 : 1998	) KYS/TG/MI))
	12. Los Angeles Abrasion	CAST/PAV/LAA 003/21	)
	13. Measuring Surface Frictional & Properties (British Pendulum Tests)	ASTM E303-93 (2018) ASTM E303-22	) KYS/MURU//NN)
	14. Measuring Longitudinal Profile and Computing - International Roughness Index (IRI)	CAST/SITE/IRI/001/2017	) MURU/NN/KYS/) MM
	15. Effect of Moisture on Asphalt Concrete Paving Mixture - Tensile Strength Ratio (TSR)	ASTM D4867/D4867M-26	) KYS/TG/MI
	16. Sieve Analysis of Extracted Aggregate	ASTM D5444-24	) KYS/TG/MI)
	17. Theoretical Maximum Specific Gravity & Density	ASTM D2041/D2041M -19	) KYS/TG/MI))
	18. Percent Air Voids	ASTM D3203/D3203M-22	)))
	19. Preparation of Bituminous Specimens using Marshall Apparatus	ASTM D6926- 20	))))
	20. Draindown Characteristics in Uncompacted Asphalt Mixtures	ASTM D6390- 23	)))
	21. Indirect Tension Test for Resilient Modulus of Bituminous Mixtures	ASTM D4123-82 (Reapproved 1995) ASTM D7369-20	) KYS/TG/MI))

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F. Soil	1. Bulk Density	BS 1377 : Pt 2 : 1990 (Clause 7.2) BS 1377 : Pt 2 : 2022 (Clause 8) BS EN 17892-2 : 2014	) MT/MBK/TKL/) UM)))
	2. California Bearing Ratio	BS 1377 : Pt 4 : 1990 (Clause 7) BS 1377 : Pt 2 : 2022 (Clause 15) ASTM D1883 - 21	) MT/MBK/TKL))))
	3. Consolidation Test (1-Dimensional)	BS 1377 : Pt 5 : 1990 (Clause 3)	) TKL/UM)
	4. Direct Shear Test	BS 1377 : Pt 7 : 1990 (Clause 4) BS 1377 : Pt 2 : 2022 (Clause 25) BS EN 17892-10 : 2018	) MT/TKL))))
	5. Dry Density / Moisture Content Relation	BS 1377 : Pt 4 : 1990 (Clause 3) BS 1377 : Pt 2 : 2022 (Clause 11)	) MT/MBK/TKL)))
	6. In-situ Dry Density (Sand Replacement)	BS 1377 : Pt 9 : 1990 (Clause 2) BS 1377 : Pt 9 : 2025 (Clause 4.1 & 4.2)	) WT/MT/TKL)))
	7. Liquid Limit (Cone Penetrometer)	BS 1377 : Pt 2 : 1990 (Clause 4.3) BS 1377 : Pt 2 : 2022 (Clause 5) BS EN 17892-12 : 2018 +A2 : 2022 ASTM D4318-17 ^{§1}	) MT/TKL/) MBK/UM)))))) TKL/MT
	8. Plastic Limit	BS 1377 : Pt 2 : 1990 (Clause 5.3) BS 1377 : Pt 2 : 2022 (Clause 6) BS EN 17892-12 : 2018 +A2 : 2022 ASTM D4318-17 ^{§1}	) MT/TKL/) MBK/UM))))) TKL/MT

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	9. Plasticity index	BS 1377:Pt 2: 1990 (Clause 5.4) BS 1377 : Pt 2 : 2022 (Clause 6) BS EN 17892-12 : 2018 +A2 : 2022	) MT/TKL/) MBK/UM))))
		ASTM D4318-17 ⁸¹	) TKL/MT
	10. Moisture Content (Lab)	BS 1377 : Pt 2 : 1990 (Clause 3.2) BS 1377 : Pt 2 : 2022 (Clause 4) BS EN 17892-1 : 2014	) MT/MBK/) TKL/UM)))
		AASHTO T 265-22	TKL/UM
		ASTM D2216-19	MT/TKL
	11. Particle Density	BS 1377 : Pt 2 : 1990 (Clause 8.3) BS 1377 : Pt 2 : 2022 (Clause 9) BS EN 17892-3 : 2015	) MT/TKL/MBK/) UM)))
	12. Particle Size Distribution (Hydrometer)	BS 1377 : Pt 2 : 1990 (Clause 9.5) BS 1377 : Pt 2 : 2022 (Clause 10) BS EN 17892-4 : 2016	) MT/TKL/MBK/) UM)))
	13. Particle Size Distribution (Wet Sieving)	BS 1377 : Pt 2 : 1990 (Clause 9.2) BS 1377 : Pt 2 : 2022 (Clause 10) BS EN 17892-4 : 2016	) MT/TKL/MBK/) UM)))
	14. Triaxial Test (CD)	BS 1377 : Pt 8 : 1990 (Clause 8) BS 1377 : Pt 2 : 2022 (Clause 30) BS EN 17892-9 : 2018	) TKL/UM))))
	15. Triaxial Test (CU)	BS 1377 : Pt 8 : 1990 (Clause 7) BS 1377 : Pt 2 : 2022 (Clause 29) BS EN 17892-9 : 2018	) TKL/UM))))

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	16. Triaxial Test (UU)	BS 1377 : Pt 7 : 1990 (Clause 8) BS 1377 : Pt 2 : 2022 (Clause 28) BS EN 17892-8 : 2018	) TKL/UM))))
	17. Unconfined Compression Test	BS 1377 : Pt 7 : 1990 (Clause 7.2 & 7.3) BS 1377 : Pt 2 : 2022 (Clause 27) BS EN 17892-7 : 2018 ASTM D2166:16	) MT/TKL/MBK)))) MT
	18. Density & Moisture Content -Nuclear Density Gauge	ASTM D6938-23 BS 1377 : Part 9 :1990 (Clause 2.5) BS 1377 : Part 9 : 2025 (Clause 4.5)	) WT/MT/TKL))))
	19. In-situ Density by Core Cutter Method	BS 1377 : Part 9 : 1990 (Clause 2.4) BS 1377 : Part 9 : 2025 (Clause 4.4)	) MT/MBK/TKL)))
	20. Plate Bearing Test	BS 1377 : Part 9 : 1990 (Clause 4.1) BS 1377 : Part 9 : 2025 (Clause 6.1)	) WT/UM/TKL)))
	21. Determination of Thermal Conductivity of Soil & Soft Rock by Thermal Needle Probe procedure	ASTM D5334-08, 14, 22a ⁸¹	) TKL/MBK)))
	22. Moisture Content by Speedy tester	ASTM D4944-2011, 2018	) KYS/MT/WT
	23. Linear shrinkage	BS 812-109 : 1990 BS 1377: Pt 2 : 1990 (Clause 6.5) BS 1377: Pt 2 : 2022 (Clause 7)	) MT/WT) MT/TKL/MBK) MT/TKL/MBK
	24. Max & Min dry density	BS 1377: Pt 4 :1990 (Clause 4) BS 1377: Pt 2 : 2022 (Clause 12)	) KYS/MT/TKL) MT/TKL

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	25. Density index	BS 1377: Pt 4 : 1990 (Clause 4) BS 1377: Pt 2 : 2022 (Clause 12)	) KYS/MT/TKL) MT/TKL
	26. Insitu California Bearing Ratio (CBR) Site Test	BS 1377: Pt 9 : 1990 (Clause 4.3) BS 1377 : Pt 9 : 2025 (Clause 6.3)	) WT/MT)))
	27. Lab Compaction of Soil - Standard Effort	ASTM D698-12 (2021)	) MT/MBK/TKL))
	28. Lab Compaction of Soil - Modified Effort	ASTM D1557-12e4-(2021)	)
	29. Density of Asphalt Mixture using NDG	ASTM D2950/ D2950M-22	) WT/MT/TKL
	30. Resilient Modulus of Soil and Aggregate Materials	AASHTO T 307-99 (2017)	) TKL/UM
	31. Light Weight Deflectometer	ASTM E2583-07 (2025)	) WT/TKL
	G. Rock cores		
	1. Point Load Strength Index	ASTM D5731-16	) TKL/MBK)
	2. Unconfined Compression Test	ASTM D7012-23 (Method C only)	)))
	3. Water (Moisture) Content	ASTM D2216-19	)
H. Tiles	4. Slake Durability of Shales and Other Similar Weak Rocks	ASTM D4644-16	)))
	1. Water Absorption, apparent porosity, apparent relative density and bulk density	BS EN ISO 10545-3:2018	) FSM/ST))
	2. Friction Coefficient, Dry Floor Friction Test (Slip resistance test)	SS 485 : 2011(Annex B), SS 485 : 2022	) FSM/NN/MURU/) MM/ST/TS
	3. Wet Pendulum Test	SS 485 : 2011(Annex A), SS 485 : 2022	) MURU/FSM/ST/) TS

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	4. Resistance to Deep Abrasion of Unglazed Tiles	BS EN ISO 10545-6: 2012	) FSM/ST)
	5. Determination of dimensions & surface quality	BS EN ISO 10545-2: 2018 ISO 13006:2018 BS EN 14411: 2016	)))))
	6. Determination of Modulus of rupture & breaking strength	BS EN ISO 10545-4 : 2019 BS EN 14411:2016	)))))
	7. Scratch Hardness	SS 301:1985 SS 57 : 1989	)))))
	8. Colourfastness of title	SS301 : 1985 SS57 : 1989	)))))
	9. Determination of chemical resistance	BS EN ISO 10545-13:2016	)
	10. Stain Resistance	BS EN ISO 10545-14:2015	)
	11. Reverse Staining Test on Tiles	CAST/MAT/TM/001 – 98 (reaffirmed 2019)	))
	1. Transverse strength	) SS 70 : 2001	) FSM/KYS
	2. Water absorption	)	)
	3. Permeability	)	)
I. Clay Roofing Tile and Fitting	4. Colour fastness (Glazed Tiles only)	)	)
J. Bituminous Emulsion Membrane	1. Bituminous Membrane Thickness (Adopted from HDB Requirements)	CAST/BTD/BEM/001/12	) FSM/KYS))
	2. Unit Weight (Adopted from HDB Requirements)	CAST/BTD/BEM/002/12	))
K. Admixtures	1. Water Reduction / Increase in Consistence Slump Test Flow Test	BS EN 480-1 : 2023 BS EN 12350-2 : 2019 BS EN 12350-5 : 2019	) KYS))))

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L. Cement	2. Air Content	BS EN 12350-7 : 2019 BS EN 480-1 : 2023	)
			)
	3. Bleeding	BS EN 480-4 : 2005 BS EN 480-1 : 2023	)
			)
	4. Density of fresh concrete	BS EN 12350-6 : 2019 BS EN 480-1 : 2023	)
			)
	5. Setting	BS EN 480-2 : 2006 BS EN 480-1 : 2023	)
			)
	6. Compressive Strength	BS EN 12390-3: 2009, 2019 BS EN 480-1 : 2023	)
			)
	1. Fineness (Blaine Air Method)	BS EN 196: Pt 6: 2018	) KYS/FSM
			)
i Cem I/ Cem II Cem III/Cem IV Cem V types as per SS EN 197-1: 2008	2. Standard Consistency Setting Time Soundness	BS EN 196-3: 2005 + A1: 2008, 2016	)
			)
	3. Compressive Strength	BS EN 196 : Pt 1: 16	)
			)
ii GGBS	1. Moisture Content	BS EN 15167 : Pt 1 : Annex A : 2006 SS EN 15167 : Pt 1 : Annex A : 2008 (2016)	)
			)
Building Materials			
i Prepacked Plaster	1. Tension Adhesion Strength	BS EN 1015 - 12: 16	) FSM
			)
	2. Linear Shrinkage	ASTM C531-18 (2023)	)
			)
ii Prepacked Skimcoat	1. Tension Adhesion Strength	BS EN 1015-12: 16	)
			)
	2. Linear Shrinkage	ASTM C531-18 (2023)	)
			)
iii Floor Screed and Water Proof Screed	3. Compressive Strength	ASTM C109/109M-24	)
			)
	Flowability (hydraulic cement mortar)	ASTM C1437- 20	)
			)

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iv Tile Adhesive	Slip/skid Resistance of Surface – Pendulum Test	BS EN 13036-4: 11	)
	1. Determination of Tensile Adhesion Strength	) BS EN 12004-2: 2017	)
	2. Determination of Open Time	)	)
v Tile Grout	3. Transverse Deformation Test	)	)
	1. Determination of Resistance to Abrasion	) BS EN 13888-2: 2022	)
	2. Determination of Flexural Strength & Compressive Strength	)	)
	3. Determination of Shrinkage	)	)
M. Structural Fixings	4. Determination of Water Absorption	)	)
	1. In-situ pull out test on Structural fixings	CAST/ NDT CONC/TM/ 002/ Nov 2004	) MURU
N. Paint / Coating	1. Non-Destructive Measurement of Dry Film Thickness of Non-Magnetic Coatings Applied to a Ferrous Base	ASTM D7091-22	) MURU
			)
O. Repair Materials Compressive Strength	1. Compressive strength of hydraulic cement mortar (50 mm cubes)	ASTM C109/109M- 24	KYS/ FSM
P. Curtain Walls & Window joints	1. Water Penetration test (field water tightness test)	CAST/SITE/WTT/001/12 (CONQUAS 21) AAMA 501.2: 09 AAMA 501.2: 25	) KYS)))
Q. Cement Treated Base	1. Moisture-Density (Unit Weight) Relations	) ASTM D558/D558M-19) (Method A)	) MT/TKL)
	2. Liquid Limit, Plastic Limit and Plasticity Index	ASTM D4318-17 ⁸¹	TKL/MT

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R. Paints	1. Non-volatile Matter	SS 5: Pt B2: 2013 (2018)	) FSM/TG
	2. Dilution	CAST/MAT/TM/002-2019	)
S. Resilient and Textile Floor Coverings (Vinyl)	1. Side length, Edge Straightness and Squareness	BS EN ISO 24342 : 2024	) FSM/TG/ST
	2. Overall Thickness	BS EN ISO 24346 : 2012	)
	3. Thickness of Layers	BS EN ISO 24340 : 2012	)
	4. Staining and Resistance to Chemicals	BS EN ISO 26987 : 2012	)
	5. Slip Resistance Test	Dry Floor Friction Test SS 485 : 2022 (AS 4856 : 2013, Appendix B) Wet Pendulum Test SS 485 : 2022	)))))

Approved signatories

1. Mr Kwek Yeow Seah	KYS	2. Mr Lim Eng Heng	- LEH
3. Mr Foo Siang Meng	- FSM	4. Mr T Murugesan	- MURU
5. Mr M. Krishnamoorthy	MT	6. Mr Naina Mohamed	- NN
7. Mr Benedict Lim	- BL	8. Mr Myo Win Tun	- WT
9. Mr Chong Yong Keong	- CYK	10. Ms Mie Mie Sein Hla	- MM
11. Mr Sathianthan Vadiveoo	- ST	12. Mr Ting Kuok Loong	- TKL
13. Mr Thinagran Silavaraj	- TG	14. Mr Lee Chye Hock	- CH
15. Ms Umami Nadhrah Mokhtar	- UM	16. Mr Maznan Bin Kamisan	- MBK
17. Mr. Pang Chia Wei	- PCW	18. Mr Muhammad Irfan	- MI

Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.