



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 1 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|---------------------------|----------------------------------|-----------------------------------|-------------------------|---|
| Permanent Facility | | | | |
| 1 | CHEMICAL-ATMOSPHERIC POLLUTION | Ambient Air Pollution Measurement | NO ₂ | IS:5182 (Pt-VI): 2006 |
| 2 | CHEMICAL-ATMOSPHERIC POLLUTION | Ambient Air Pollution Measurement | PM-10 | IS: 5182 (Part-23): 2006 |
| 3 | CHEMICAL-ATMOSPHERIC POLLUTION | Ambient Air Pollution Measurement | PM-2.5 | CPCB Guideline: 2009 |
| 4 | CHEMICAL-ATMOSPHERIC POLLUTION | Ambient Air Pollution Measurement | SO ₂ | IS: 5182 (Pt-II): 2006 |
| 5 | CHEMICAL-ATMOSPHERIC POLLUTION | Ambient Air Pollution Measurement | SPM | IS:5182 (Pt-IV): 2006 |
| 6 | CHEMICAL-ATMOSPHERIC POLLUTION | Noise Monitoring | Leq dB(A) | CPCB Guidelines: 2009 |
| 7 | CHEMICAL-ATMOSPHERIC POLLUTION | Stack emission | NO _x | IS:11255 (Pt-7): 1985 |
| 8 | CHEMICAL-ATMOSPHERIC POLLUTION | Stack emission | PM | IS:11255(Pt-I): 1985 |
| 9 | CHEMICAL-ATMOSPHERIC POLLUTION | Stack emission | SO ₂ | IS: 11255 (Pt-2): 1985 |
| 10 | CHEMICAL-POLLUTION & ENVIRONMENT | Waste Water | BOD | IS: 3025 (Part-44): 2000 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 2 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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| 11 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water | COD | IS: 3025 (Part-58): 2012 |
| 12 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water | Oil & Grease | IS: 3025 (Part-39) : 2003 |
| 13 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water | pH | IS:3025 (Part 11): 1983 |
| 14 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water | TSS | IS:3025 (Part 17): 1984 |
| 15 | CHEMICAL- WATER | Construction Purpose | Chloride | IS:3025 (Part 32): 1988 |
| 16 | CHEMICAL- WATER | Construction Purpose | Inorganic Content | IS:3025 (Part 18): 1984 |
| 17 | CHEMICAL- WATER | Construction Purpose | Organic Content | IS:3025 (Part 18): 1984 |
| 18 | CHEMICAL- WATER | Construction Purpose | pH | IS:3025 (Part 11): 1983 |
| 19 | CHEMICAL- WATER | Construction Purpose | Sulphate | IS:3025 (Part 24): 1986 |
| 20 | CHEMICAL- WATER | Construction Purpose | Total Alkalinity | IS:3025 (Part 23): 1986 |
| 21 | CHEMICAL- WATER | Construction Purpose | Total Suspended Solid | IS:3025 (Part 17): 1984 |
| 22 | CHEMICAL- WATER | Construction Purpose | Acidity | IS:3025 (Part 22): 1986 |
| 23 | CHEMICAL- WATER | Drinking Purpose | Calcium | IS:3025(Part 40): 1991 |
| 24 | CHEMICAL- WATER | Drinking Purpose | Chloride | IS:3025(Part 32): 1988 |
| 25 | CHEMICAL- WATER | Drinking Purpose | Chromium | IS:3025 (Part 52): 1984 |
| 26 | CHEMICAL- WATER | Drinking Purpose | Conductivity | IS:3025(Part 14): 2013 |
| 27 | CHEMICAL- WATER | Drinking Purpose | Dissolved Oxygen | IS:3025 (Part 38): 1989 |
| 28 | CHEMICAL- WATER | Drinking Purpose | Iron | IS:3025 (Part 53): 2014 |
| 29 | CHEMICAL- WATER | Drinking Purpose | Magnesium | IS:3025 (Part 46): 1994 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 3 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|---------------------------------|----------------------------|---------------------------|---|
| 30 | CHEMICAL- WATER | Drinking Purpose | pH | IS:3025(Part 11): 1983 |
| 31 | CHEMICAL- WATER | Drinking Purpose | Silica | IS:3025 (Part 35): 1983 |
| 32 | CHEMICAL- WATER | Drinking Purpose | Sulphate | IS:3025(Part 24): 1986 |
| 33 | CHEMICAL- WATER | Drinking Purpose | Total Alkalinity | IS:3025 (Part 23): 1986 |
| 34 | CHEMICAL- WATER | Drinking Purpose | Total Dissolved solid | IS:3025(Part 16): 1984 |
| 35 | CHEMICAL- WATER | Drinking Purpose | Total Hardness | IS:3025(Part 21): 2009 |
| 36 | CHEMICAL- WATER | Drinking Purpose | Total Suspended Solid | IS:3025(Part 17): 1984 |
| 37 | CHEMICAL- WATER | Drinking Purpose | Turbidity | IS:3025(Part 10): 1984 |
| 38 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Absolute Viscosity | IS 1206 (Pt.II) : 1978 |
| 39 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Absolute Viscosity | IS 1206 (Pt.II) : 1978 |
| 40 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Ductility Test | IS: 1208: 1978 |
| 41 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Ductility Test | IS: 1208: 1978 |
| 42 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Flash Point | IS: 1209: 1978 |
| 43 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Flash Point | IS: 1209: 1978 |
| 44 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Hardness (Mastic asphalt) | IS -1195 : 2002 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 4 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|--------------------------------|----------------------------|---------------------------|---|
| 45 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Hardness (Mastic asphalt) | IS -1195 : 2002 |
| 46 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Homogeneity of Bitumen | IS: 73: 2013 |
| 47 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Homogeneity of Bitumen | IS: 73: 2013 |
| 48 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Kinematic Viscosity | IS: 1206 (Pt.III): 1978 |
| 49 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Kinematic Viscosity | IS: 1206 (Pt.III): 1978 |
| 50 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Marshall Stability | AASHTO T245: 1997 |
| 51 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Marshall Stability | AASHTO T245: 1997 |
| 52 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Penetration Test | IS: 1203: 1978 |
| 53 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Penetration Test | IS: 1203: 1978 |
| 54 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Softening Point | IS: 1205: 1978 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 5 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|--------------------------------|----------------------------|---------------------------------|---|
| 55 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Softening Point | IS: 1205: 1978 |
| 56 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Solubility in trichloroethylene | IS 1216: 1978 |
| 57 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Solubility in trichloroethylene | IS 1216: 1978 |
| 58 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Viscosity ratio | IS 1206 (Pt.II) : 1978 |
| 59 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Viscosity ratio | IS 1206 (Pt.II) : 1978 |
| 60 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Ductility Test | IS: 1208: 1978 |
| 61 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Ductility Test | IS: 1208: 1978 |
| 62 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Penetration | IS: 1203: 1978 |
| 63 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Penetration | IS: 1203: 1978 |
| 64 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Residue on 600 mic | IS – 8887: 2004 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 6 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|--------------------------------|----------------------------|--|---|
| 65 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Residue on 600 mic | IS – 8887: 2004 |
| 66 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Compressive Strength | IS: 4031 (Pt-6) : 1988 |
| 67 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Compressive Strength | IS: 4031 (Pt-6) : 1988 |
| 68 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Final Setting Time | IS: 4031 (Part-5) : 1988 |
| 69 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Final Setting Time | IS: 4031 (Part-5) : 1988 |
| 70 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Fineness by Blain's air permeability | IS: 4031 (Pt-2) : 1999 |
| 71 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Fineness by Blain's air permeability | IS: 4031 (Pt-2) : 1999 |
| 72 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Fineness by dry sieving (% of residue) | IS: 4031 (Pt-1) : 1996 |
| 73 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Fineness by dry sieving (% of residue) | IS: 4031 (Pt-1) : 1996 |
| 74 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Initial Setting Time | IS: 4031 (Part-5): 1988 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 7 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|--------------------------------|---------------------------------|---|---|
| 75 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Initial Setting Time | IS: 4031 (Part-5): 1988 |
| 76 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Normal consistency (Standard consistency) | IS: 4031 (Pt-4): 1988 |
| 77 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Normal consistency (Standard consistency) | IS: 4031 (Pt-4): 1988 |
| 78 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Soundness (Le-Chatelier Method) | IS: 4031(Pt-3) : 1988 |
| 79 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Soundness (Le-Chatelier Method) | IS: 4031(Pt-3) : 1988 |
| 80 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Specific Gravity | IS: 4031 (Pt-11) : 1988 |
| 81 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/ PPC/ PSC) | Specific Gravity | IS: 4031 (Pt-11) : 1988 |
| 82 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Dimension | IS:13801: 2013 |
| 83 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Dimension | IS:13801: 2013 |
| 84 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Dimension | IS:13801: 2013 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 8 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|--------------------------------|---------------------------------|-------------------------|---|
| 85 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Dimension | IS:13801: 2013 |
| 86 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Dimension | IS:13801: 2013 |
| 87 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Dimension | IS:13801: 2013 |
| 88 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Resistance to wear | IS:13801: 2013 |
| 89 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Resistance to wear | IS:13801: 2013 |
| 90 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Water Absorption | IS:13801: 2013 |
| 91 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Water Absorption | IS:13801: 2013 |
| 92 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Wet Transverse Strength | IS:13801: 2013 |
| 93 | MECHANICAL-BUILDINGS MATERIALS | Chequered Cement Concrete tiles | Wet Transverse Strength | IS 13801: 2013 |
| 94 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | 10% Fine Value | IS: 2386 (Part-IV): 1963 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 9 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|--------------------------------|----------------------------|-------------------------|---|
| 95 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | 10% Fine Value | IS: 2386 (Part-IV): 1963 |
| 96 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Bulk Density | IS: 2386 (Part-III): 1963 |
| 97 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Bulk Density | IS: 2386 (Part-III): 1963 |
| 98 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Crushing Value | IS: 2386 (Part-IV): 1963 |
| 99 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Crushing Value | IS: 2386 (Part-IV): 1963 |
| 100 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Elongation Index | IS: 2386 (Part-I): 1963 |
| 101 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Elongation Index | IS: 2386 (Part-I): 1963 |
| 102 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Flakiness Index | IS: 2386 (Part-I): 1963 |
| 103 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Flakiness Index | IS: 2386 (Part-I): 1963 |
| 104 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Impact Value | IS: 2386 (Part-IV): 1963 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 10 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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| 105 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Impact Value | IS: 2386 (Part-IV): 1963 |
| 106 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Los Angles Abrasion Value | IS: 2386 (Part-IV): 1963 |
| 107 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Los Angles Abrasion Value | IS: 2386 (Part-IV): 1963 |
| 108 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Sieve Analysis | IS: 2386 (Part-1): 1963 |
| 109 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Sieve Analysis | IS: 2386 (Part-1): 1963 |
| 110 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Specific gravity | IS: 2386 (Part-III): 1963 |
| 111 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Specific gravity | IS: 2386 (Part-III): 1963 |
| 112 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Water Absorption | IS: 2386 (Part-III): 1963 |
| 113 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Water Absorption | IS: 2386 (Part-III): 1963 |
| 114 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks | Dimensions | IS: 1077: 1992 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 11 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|--------------------------------|---|-------------------------|---|
| 115 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks | Dimensions | IS: 1077: 1992 |
| 116 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks | Dimensions | IS: 1077: 1992 |
| 117 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks | Dimensions | IS: 1077: 1992 |
| 118 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks | Dimensions | IS: 1077: 1992 |
| 119 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks | Dimensions | IS: 1077: 1992 |
| 120 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks & Pulverized fuel ash-lime bricks | Efflorescence | IS: 3495 (Pt III): 1992 |
| 121 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks & Pulverized fuel ash-lime bricks | Efflorescence | IS: 3495 (Pt III): 1992 |
| 122 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks & Pulverized fuel ash-lime bricks | Water Absorption | IS:3495 (Pt II): 1992 |
| 123 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks & Pulverized fuel ash-lime bricks | Water Absorption | IS:3495 (Pt II): 1992 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 12 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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|------|--------------------------------|---|---|---|
| 124 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks & Pulverized fuel ash-lime bricks | Wet Compressive Strength | IS: 3495 (Pt I): 1992 |
| 125 | MECHANICAL-BUILDINGS MATERIALS | Common burnt clay building bricks & Pulverized fuel ash-lime bricks | Wet Compressive Strength | IS: 3495 (Pt I): 1992 |
| 126 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Accelerated testing of concrete by boiling water method | IS 9013 : 1978 |
| 127 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Accelerated testing of concrete by boiling water method | IS 9013 : 1978 |
| 128 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Compressive Strength of core | IS: 516: 1959 |
| 129 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Compressive Strength of core | IS: 516: 1959 |
| 130 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Compressive Strength of cube | IS: 516: 1959 |
| 131 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Compressive Strength of cube | IS: 516: 1959 |
| 132 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Flexural Strength of beam | IS: 516: 1959 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 13 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

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| 133 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Flexural Strength of beam | IS: 516: 1959 |
| 134 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Permeability | IS 3085 : 1965 |
| 135 | MECHANICAL-BUILDINGS MATERIALS | Concrete | Permeability | IS 3085 : 1965 |
| 136 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | Ash content | IS 9013: 1999 |
| 137 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | Ash content | IS 9013: 1999 |
| 138 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | Chloride content | IS 6925: 1999 |
| 139 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | Chloride content | IS 6925: 1999 |
| 140 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | Dry material content | IS 9013: 1999 |
| 141 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | Dry material content | IS 9013: 1999 |
| 142 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | pH | IS 9013: 1999 |



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 14 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--------------------------------|----------------------------|-------------------------|---|
| 143 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | pH | IS 9013: 1999 |
| 144 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | Relative density | IS 9013: 1999 |
| 145 | MECHANICAL-BUILDINGS MATERIALS | Concrete admixture | Relative density | IS 9013: 1999 |
| 146 | MECHANICAL-BUILDINGS MATERIALS | Concrete Block | Compressive Strength | IS:2185-Part 1: 2005 |
| 147 | MECHANICAL-BUILDINGS MATERIALS | Concrete Block | Compressive Strength | IS:2185-Part 1: 2005 |
| 148 | MECHANICAL-BUILDINGS MATERIALS | Concrete Block | Density | IS:2185-Part 1: 2005 |
| 149 | MECHANICAL-BUILDINGS MATERIALS | Concrete Block | Density | IS:2185-Part 1: 2005 |
| 150 | MECHANICAL-BUILDINGS MATERIALS | Concrete Block | Water Absorption | IS:2185-Part 1: 2005 |
| 151 | MECHANICAL-BUILDINGS MATERIALS | Concrete Block | Water Absorption | IS:2185-Part 1: 2005 |
| 152 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Dimension | IS:1237: 2012 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 15 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--------------------------------|----------------------------|------------------------------|---|
| 153 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Dimension | IS:1237: 2012 |
| 154 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Dimension | IS:1237: 2012 |
| 155 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Dimension | IS:1237: 2012 |
| 156 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Dimension | IS:1237: 2012 |
| 157 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Dimension | IS:1237: 2012 |
| 158 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Flatness of the tile surface | IS 1237: 2012 |
| 159 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Flatness of the tile surface | IS 1237: 2012 |
| 160 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Perpendicularity | IS 1237: 2012 |
| 161 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Perpendicularity | IS 1237: 2012 |
| 162 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Resistance to wear | IS:1237: 2012 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 16 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--------------------------------|----------------------------|----------------------------|---|
| 163 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Resistance to wear | IS:1237: 2012 |
| 164 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Straightness | IS 1237: 2012 |
| 165 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Straightness | IS 1237: 2012 |
| 166 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Thickness of wearing layer | IS: 1237: 2012 |
| 167 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Thickness of wearing layer | IS: 1237: 2012 |
| 168 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Visual Inspection | IS: 1237: 2012 |
| 169 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Visual Inspection | IS: 1237: 2012 |
| 170 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Water Absorption | IS:1237: 2012 |
| 171 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Water Absorption | IS:1237: 2012 |
| 172 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Wet Transverse Strength | IS:1237: 2012 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 17 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--------------------------------|----------------------------|-------------------------|---|
| 173 | MECHANICAL-BUILDINGS MATERIALS | Concrete Flooring Tile | Wet Transverse Strength | IS:1237: 2012 |
| 174 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregates | Bulk Density | IS: 2386 (Part-III): 1963 |
| 175 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregates | Bulk Density | IS: 2386 (Part-III): 1963 |
| 176 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregates | Sieve Analysis | IS: 2386 (Part-1): 1963 |
| 177 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregates | Sieve Analysis | IS: 2386 (Part-1): 1963 |
| 178 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregates | Specific gravity | IS: 2386 (Part-III): 1963 |
| 179 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregates | Specific gravity | IS: 2386 (Part-III): 1963 |
| 180 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregates | Water Absorption | IS: 2386 (Part-III): 1963 |
| 181 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregates | Water Absorption | IS: 2386 (Part-III): 1963 |
| 182 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Dimension | IS:13630 : 2006 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 18 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--------------------------------|----------------------------|-------------------------|---|
| 183 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Dimension | IS:13630 : 2006 |
| 184 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Dimension | IS:13630 : 2006 |
| 185 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Dimension | IS:13630 : 2006 |
| 186 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Dimension | IS:13630 : 2006 |
| 187 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Dimension | IS:13630 : 2006 |
| 188 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Modulus of Rupture | IS:13630 : 2006 |
| 189 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Modulus of Rupture | IS:13630 : 2006 |
| 190 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Water Absorption | IS:13630 : 2006 |
| 191 | MECHANICAL-BUILDINGS MATERIALS | Glazed / Ceramic Tiles | Water Absorption | IS:13630 : 2006 |
| 192 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Abrasion Resistance | IS:15658: 2006 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 19 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--------------------------------|----------------------------|-------------------------|---|
| 193 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Abrasion Resistance | IS:15658: 2006 |
| 194 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Colour and texture | IS 15658 : 2006 |
| 195 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Colour and texture | IS 15658 : 2006 |
| 196 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Compressive strength | IS 15658: 2006 |
| 197 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Compressive strength | IS:15658: 2006 |
| 198 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Dimension | IS 15658 : 2006 |
| 199 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Dimension | IS 15658 : 2006 |
| 200 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Dimension | IS 15658 : 2006 |
| 201 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Dimension | IS 15658 : 2006 |
| 202 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Dimension | IS 15658 : 2006 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 20 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--------------------------------|----------------------------|----------------------------|---|
| 203 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Dimension | IS 15658 : 2006 |
| 204 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Flexural Strength | IS:15658: 2006 |
| 205 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Flexural Strength | IS:15658: 2006 |
| 206 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Thickness of wearing layer | IS 15658 : 2006 |
| 207 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Thickness of wearing layer | IS 15658 : 2006 |
| 208 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Visual inspection | IS 15658 : 2006 |
| 209 | MECHANICAL-BUILDINGS MATERIALS | Paver block | Visual inspection | IS 15658 : 2006 |
| 210 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Water Absorption | IS:15658: 2006 |
| 211 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Water Absorption | IS 15658: 2006 |
| 212 | MECHANICAL-BUILDINGS MATERIALS | Paving mixture | Bitumen content | ASTM D 2172: 2005 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 21 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--------------------------------|---------------------------------|-------------------------|---|
| 213 | MECHANICAL-BUILDINGS MATERIALS | Paving mixture | Bitumen content | ASTM D 2172: 2005 |
| 214 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel ash-lime bricks | Dimension | IS: 12894: 2002 |
| 215 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel ash-lime bricks | Dimension | IS: 12894: 2002 |
| 216 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel ash-lime bricks | Dimensions | IS: 12894: 2002 |
| 217 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel ash-lime bricks | Dimensions | IS: 12894: 2002 |
| 218 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel ash-lime bricks | Dimensions | IS: 12894: 2002 |
| 219 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel ash-lime bricks | Dimensions | IS: 12894: 2002 |
| 220 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel ash-lime bricks | Visual inspection | IS: 12894: 2002 |
| 221 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel ash-lime bricks | Visual inspection | IS: 12894: 2002 |
| 222 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel-ash lime bricks | Drying Shrinkage | IS 4139 : 1989 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 22 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--|---------------------------------|--------------------------------|---|
| 223 | MECHANICAL-BUILDINGS MATERIALS | Pulverized fuel-ash lime bricks | Drying Shrinkage | IS 4139 : 1989 |
| 224 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel | % Elongation | IS: 1608: 2018 |
| 225 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel | Bend Test | IS: 1599: 2012 |
| 226 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel | Effective cross-sectional Area | IS: 1786: 2008 |
| 227 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel | Re-bend Test | IS: 1786: 2008 |
| 228 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel | Tensile Strength | IS: 1608: 2018 |
| 229 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel | Wt/m | IS: 1786: 2008(RA2013) |
| 230 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel | Yield Stress | IS: 1608: 2018 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 23 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--|----------------------------|-----------------------------------|---|
| 231 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Structural Steel | % Elongation | IS: 1608: 2018 |
| 232 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Structural Steel | Bend Test | IS: 1599: 2012 |
| 233 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Structural Steel | Tensile Strength | IS: 1608: 2018 |
| 234 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Structural Steel | Yield Stress | IS: 1608: 2018 |
| 235 | MECHANICAL- SOIL AND ROCK | Rock | Brazilian Test (Tensile Strength) | IS:10082: 1981 |
| 236 | MECHANICAL- SOIL AND ROCK | Rock | Dry/Wet density | IS:13030 : 1991 |
| 237 | MECHANICAL- SOIL AND ROCK | Rock | Point Load Strength | IS:8764: 1998 |
| 238 | MECHANICAL- SOIL AND ROCK | Rock | Slake Durability Test | IS:10050: 1981 |
| 239 | MECHANICAL- SOIL AND ROCK | Rock | Specific gravity Test | IS:1124: 1974 |
| 240 | MECHANICAL- SOIL AND ROCK | Rock | Un-confined Compressive Strength | IS:9143: 1979 |
| 241 | MECHANICAL- SOIL AND ROCK | Rock | Water absorption Test | IS:1124: 1974 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 24 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|---------------------------|----------------------------|---|---|
| 242 | MECHANICAL- SOIL AND ROCK | Soil | Atterberg's Limit (Liquid Limit) | IS: 2720 (Part 5): 1985 |
| 243 | MECHANICAL- SOIL AND ROCK | Soil | Atterberg's Limit (Plastic Limit) | IS: 2720 (Part 5): 1985 |
| 244 | MECHANICAL- SOIL AND ROCK | Soil | Bulk density | IS: 2386 (Part-III): 1963 |
| 245 | MECHANICAL- SOIL AND ROCK | Soil | Calcium carbonate | IS 2720 (Part 23): 1976 |
| 246 | MECHANICAL- SOIL AND ROCK | Soil | California Bearing Ratio (CBR) | IS:2720(Part-16): 1987 |
| 247 | MECHANICAL- SOIL AND ROCK | Soil | Consolidation Test (Pressure) | IS 2720 (Part-15) : 1976 |
| 248 | MECHANICAL- SOIL AND ROCK | Soil | Consolidation Test (Settlement) | IS 2720 (Part-15) : 1976 |
| 249 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Test (Angle of internal friction) | IS 2720 (Part-13): 1986 |
| 250 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Test (cohesion) | IS 2720 (Part-13) : 1986 |
| 251 | MECHANICAL- SOIL AND ROCK | Soil | Free Swell Index | IS 2720 (Part 40): 1977 |
| 252 | MECHANICAL- SOIL AND ROCK | Soil | Grain Size Analysis (Passing 4.75 mm IS sieve and retained on 75 micron IS sieve) | IS: 2720 (Pt-IV) (Clause 4.0): 1985 |
| 253 | MECHANICAL- SOIL AND ROCK | Soil | Grain Size Analysis (soil fraction retained on 4.75 mm IS sieve) | IS: 2720 (Pt-IV) (Clause 3.0): 1985 |
| 254 | MECHANICAL- SOIL AND ROCK | Soil | Heavy compaction (MDD) | IS: 2720 (Part VIII): 1983 |
| 255 | MECHANICAL- SOIL AND ROCK | Soil | Heavy compaction (OMC) | IS: 2720 (Part VIII): 1983 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 25 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|---------------------------|----------------------------|---|---|
| 256 | MECHANICAL- SOIL AND ROCK | Soil | Hydrometer analysis | IS : 2720 (Part 4): 1985 |
| 257 | MECHANICAL- SOIL AND ROCK | Soil | Light Compaction Test (MDD) | IS: 2720 (Part VII): 1980 |
| 258 | MECHANICAL- SOIL AND ROCK | Soil | Light Compaction Test (OMC) | IS: 2720 (Part VII): 1980 |
| 259 | MECHANICAL- SOIL AND ROCK | Soil | Organic matter | IS 2720 (Part 22): 1972 |
| 260 | MECHANICAL- SOIL AND ROCK | Soil | Permeability Test | IS 2720 (Part-17) : 1986 |
| 261 | MECHANICAL- SOIL AND ROCK | Soil | pH value | IS 2720 (Part 26): 1987 |
| 262 | MECHANICAL- SOIL AND ROCK | Soil | Shrinkage limit | IS 2720 (Part-VI) : 1972 |
| 263 | MECHANICAL- SOIL AND ROCK | Soil | Specific Gravity | IS: 2720 (Pt-III) Sec. 1 / 2: 1980 |
| 264 | MECHANICAL- SOIL AND ROCK | Soil | Total soluble sulphate | IS 2720 (Part 27): 1977 |
| 265 | MECHANICAL- SOIL AND ROCK | Soil | Tri-axial Compression Test Without pore pressure (angle of internal friction) | IS: 2720 (Part –11): 1993 |
| 266 | MECHANICAL- SOIL AND ROCK | Soil | Tri-axial Compression Test Without pore pressure (Cohesion) | IS: 2720 (Part –11): 1993 |
| 267 | MECHANICAL- SOIL AND ROCK | Soil | Unconfined compression test | IS 2720 (Part-10): 1991 |
| 268 | MECHANICAL- SOIL AND ROCK | Soil | Water Content | IS: 2720 (Part-II): 1973 |



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. M. CONSULTANTS, QUALITY CONTROL DIVISION, S.M. TOWER, PLOT NO.130 MANCHESWAR INDUSTRIAL ESTATE, RASULGARH, BHUBANESWAR, KHURDA, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5478 Page No. : 26 / 26

Validity 19/07/2019 to 18/07/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|------|--|--------------------------------|---|---|
| 269 | MECHANICAL- WOOD AND WOOD PRODUCTS | Ply wood | Moisture content | IS : 287: 1993 |
| 270 | MECHANICAL- WOOD AND WOOD PRODUCTS | Wood | Moisture content | IS : 287 : 1993 |
| 271 | MECHANICAL- WOOD AND WOOD PRODUCTS | Wood | Density | SOP No. 01, Sec. -15 : 2012 |
| 272 | NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Rebound Hammer Test | Compressive strength(By Rebound Hammer) | IS: 13311 (Part-2): 1992 |
| 273 | NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Rebound Hammer Test | Rebound Number(By Rebound Hammer) | IS: 13311 (Part-2): 1992 |
| 274 | NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Ultrasonic Pulse Velocity Test | Ultrasonic Pulse Time(By UPV instrument) | IS: 13311 (Part-1): 1992 |
| 275 | NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Ultrasonic Pulse Velocity Test | Ultrasonic Pulse Velocity (By UPV instrument) | IS: 13311 (Part-1): 1992 |