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| **Annexure MRTS07C.1 (July 2024)** |
| **Insitu Stabilised Pavements using Foamed Bitumen** |
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| **Specific Contract Requirements** |
|  |
| **Contract Number**  |  |
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| Note: | Clause references within brackets in this Annexure refer to Clauses in the parent Technical Specification MRTS07C unless otherwise noted. |

Part A – Completed by Principal as part of brief

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| Quality system requirements (Clause 5.4)Lot sizes |
|  | The following maximum lot sizes shall apply to work covered by this Technical Specification. |
| Default lot sizes are provided in Appendix A of MRTS07C. This table should only be used where it is proposed to vary these requirements on a project specific basis. |  |

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| Testing frequenciesAdditional material for shape correction and new material to replace unsuitable material |
|  | The following minimum testing frequencies for unbound pavement material source and product testing shall apply. |
| **Property** | **Test Method** | Normal Testing Level | Reduce Testing Level |
|  | Default testing frequencies are provided in Appendix A of MRTS07C. This table should only be used where it is proposed to vary these requirements on a project specific basis. |  |  |

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| Construction standards and geometrics |
|  | The following minimum construction standard and geometric testing shall apply. |
| **Property** | **Test Method** | Normal Testing Level | Reduce Testing Level |
|  | Default testing frequencies are provided in Appendix A of MRTS07C. This table should only be filled where it is proposed to vary these requirements on a project specific basis. |  |  |

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| New unbound granular material to replace material not suitable for stabilisation (Clause 6.1) |
|  | Any new material required to be incorporated into the stabilised layer shall comply with the following requirements and/or standards. |
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| Additional material for shape correction (Clause 6.2) |
|  | Any new material required to be incorporated into the stabilised layer shall comply with the following requirements and/or standards. |
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| Removal and disposal of material not suitable for stabilisation (Clause 8.6.1) |
|  | Notwithstanding the requirements of Clause 8.7.1, the following material shall also be removed and disposed of. |
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| Minimum requirements and minimum numbers of particular plant (Clauses 8.6.5 and 8.6.20) |
|  | The following minimum requirements and minimum numbers of particular plant shall be on Site at all times during stabilisation works. |
| Description | Minimum Requirement | Minimum Number of Units |
| Stabiliser with foamed bitumen spray bar in mixing chamber |  |  |
| Integrated spreader stabiliser with foamed bitumen spray bar in mixing chamber |  |  |
| Purpose-built calibrated spreader |  |  |
| Vibrating pad foot roller |  |  |
| Vibrating smooth drum roller |  |  |
| Multi-tyre roller |  |  |
| Water truck |  |  |
| Grader |  |  |

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| Moisture Ratio (Clause 8.7.3) |
|  | The moisture ratio (MRᵤ) shall not be less than |  |  | % |
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|  | and not greater than |  |  | % |
|  | If no values are given, MRᵤ shall not be less than 55% and not greater than 75% |

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| Compaction (Clause 8.7.4) |
|  | The minimum characteristic value of relative compaction result shall be |  |  | % |
|  | If no value is given, the minimum characteristic value of the relative compaction shall be 102% (standard compaction) |

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| GeometricsPrimary tolerance (Clause 8.7.5.2.1)The primary tolerance on a stabilised layer shall be as stated below: |
| Alternative A(-5 and + 10 mm) | Alternative B(-5 and + 15 mm) | Alternative C(Thickness only) |
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| If no tolerance is given, Alternative B (-5 and + 15 mm) shall apply. |

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| Deviation from a straightedge (Clause 8.7.5.5.2)Application |
|  | Deviation from a straightedge tolerance shall apply. | Yes |  | No |  |
|  | If no indication is given, deviation from a straightedge shall apply. |

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| Deviation limits |
|  | The maximum deviation from a straightedge on a layer shall be as stated below. |
| **Alternative D(5 mm)** | **Alternative E(8 mm)** | Alternative F(15 mm) |
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| If no limit is given, Alternative D (5 mm) shall apply. |

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| Crossfall (Clause 8.7.5.5.3) |
|  | A crossfall tolerance shall apply. | Yes |  | No |  |
|  | If no indication is given, crossfall tolerance shall apply. |

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| Road roughness (surface evenness) (Clause 8.7.5.5.4)Application |
|  | A surface evenness tolerance shall apply. | Yes |  | No |  |
|  | If no indication is given, surface evenness tolerance shall apply. |

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| Specified count rate |
|  | The specified road roughness value (Rₛ). |  |  | m/km |
|  | If no value is given, the specified road roughness value shall not exceed 1.94 m/km. |

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| Proof rolling of stabilised layers (Clause 9.9.2) |
|  | The proof rolling test shall apply. | Yes |  | No |  |
| If no indication is given, the proof rolling test shall apply. |

Part B – Part B to be completed by the:

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|  |  | Principal |  | Designer under the Contract |

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| Specific treatments (Clauses 6.3, 8.1, 8.5.1, 8.5.2, 8.5.3, 8.6.8.1, 8.7.2.1, 8.7.2.2, 8.7.5.2.1, 8.7.5.3.1 and 9.5) |
|  | The specific treatment(s) for work under this Contract shall be as stated below. Refer to Transport and Main Roads Materials Testing Manual, Part 2 – Application, *Section 5 – Testing of Materials for Insitu Foamed Bitumen Stabilisation* for guidance on the mix design*.* |
| Reference location |  |  |  |
| Course layer |  |  |  |
| Design depth (mm) |  |  |  |
| Estimated bituminous stabilising agent content (%, by mass) |  |  |  |
| Specified spread rate of bituminous stabilising agent (kg/m²) †¹ |  |  |  |
| Secondary stabilising agent type and blend †² |  |  |  |
| Estimated secondary stabilising agent content (%, by mass) |  |  |  |
| Specified spread rate of secondary stabilising agent (kg/m²) †³ |  |  |  |
| Available lime index for hydrated lime used in laboratory mix design testing ALₓ (%) †⁴ |  |  |  |
| Method of testing for bituminous stabilising agent content †⁵ |  |  |  |
| Maximum time between spreading of the secondary stabilising agent and mixing of stabilising agent into insitu material (minutes) **†⁶** |  |  |  |
| Construction process †⁷ |  |  |  |
| †¹ If no value is given, the specified spread rate shall be 21 kg/m².†² If no indication is given, it shall be hydrated lime (not quicklime or hydrated lime / fly ash blend).†³ If no value is given, the specified spread rate shall be 10 kg/m². The Contractor shall make allowance for the type of secondary stabilising agent used and the variation of the Available Lime Index of the stabilising agent supplied.†⁴ If no value is given, ALₓ shall be 90%.†⁵ Flow meter or tanker dipping (Clauses 8.7.2.2 and 9.5).†⁶ If no time is given, it shall be 60 minutes.†⁷ Product standard (Clause 8.5.3) or process requirement (Clause 8.5.2). If no indication is given, product standard shall apply. |
| Datum (Clause 8.1) |
|  | The datum for the measurement of the design depth is given below. |
|  | Refer to Figure 8.6.11 in MRTS07C. |

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| Supplementary requirements (Clause 10) |
|  | The following supplementary requirements shall apply. |
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