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| **Annexure MRTS65.1 (November 2020)** | | |
| **Precast Prestressed Concrete Piles** | | |
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| **Specific Contract Requirements** | | |
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| **Contract Number** | |  |
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| Note: | Clause references within brackets in this Annexure refer to Clauses in the parent Technical Specification MRTS65 *Precast Prestressed Concrete Piles* unless otherwise noted. | | |

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| Structure |  |

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| Design hammer (Clause 7.5.1) | | | | |
|  | No. ‡ | Hammer type | Hammer Mass (tonne) | Input Energy (tonne metres) |
|  | 1 |  |  |  |
|  | 2 |  |  |  |

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| Piles to be high strain dynamically tested (Clause 7.10) | |
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| Pile requirements (Clause 7.5, 7.9 and 7.10) | | | | | |
|  | No. ‡ | Pile Location | Required Minimum Ultimate Capacity (kN) | Required Minimum Energy Input per Blow (tonne metres) | Final Set per Blow Using Proposed Hammer (mm) †‡ |
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|  | † The sets listed in Clause 3 are based on the use of the relevant design hammer, and the use of a minimum amount of cushion material sufficient only to prevent damage to the pile during driving. The final set shall be based on the design hammer and shall be determined using the Hiley Formula given in Clause 7.11 of MRTS65 Precast Prestressed Concrete Piles. If a different hammer is used than the design hammer, the sets shown in Clause 3 shall be recalculated using the parameters applicable to the hammer used.  ‡ Where piles of different lengths (hence mass) or of different capacities are used on one project, for example piers or abutments piles, the designer may opt to list two (or more) design hammers one for each pile size / mass or capacity grouping. | | | | |

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| Piles requirements – minimum penetration (Clause 7.12) | | |
|  | Pile location | Minimum penetration level |
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| Supplementary requirements (Clause 14) | |
|  | The following supplementary requirements shall apply. |
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