

three (3) strategic locations during construction phase as detailed in **Appendix BD** of the Particular Specification.

- 23.9.3 Noise barriers and additional noise mitigation measures are recommended in **Appendix BD** of the Particular Specification based on preliminary estimation of construction methodology. These noise barrier locations are described in **Clauses 23.9.5**.
- 23.9.4 Above-ground works not critical for safety reasons within the CR206 shall only be allowed from Mondays to Saturdays from 7am to 7pm. However, noisy activities shall only be allowed from 9am to 5pm.
- 23.9.5 The Contractor shall design, supply, erect, and dismantle the necessary noise barriers to meet the relevant authorities/agencies' requirements along his construction worksite boundary and LTA's standard 15m high TBM enclosure (one façade opening at northern side) at the boundary of Launch shaft worksite subject to the Engineer's acceptance. The Contractor shall use the portable noise barrier close to the noisy equipment/ activities, whichever the equipment is applicable. When portable inflatable noise barrier is used, silent type of gensets shall be used for the barrier. More details on the location of this barrier can be viewed in **Appendix BD** of the Particular Specification.
- 23.10 Ground-borne Vibration during Construction Phase**
- 23.10.1 The Contractor shall control construction vibration levels using the best available techniques (BAT). The Contractor shall ensure that the vibration levels at Maju Forest and Clementi Forest (excluding the worksite area) do not exceed Peak Particle Velocity PPV, 8 mm/s.
- 23.10.2 The Contractor shall setup temporary barriers of adequate length (e.g. water barrier of 1 m height) when tunnel boring and rock breaking and excavation work are due to occur. At Stage 2, a barrier of 480 m shall be provided along Clementi Road. At this stage, canvas sheets must be used to cover the 635 m of the permanent BRC fences along Brookvale Drive. In addition, existing railings along Clementi Road must be covered with canvas sheets. Refer to **Appendix BD** of the Particular Specification for details.
- 23.10.3 At Maju and Clementi Forests, continuous vibration monitoring shall be conducted at one (1) location each before the commencement of construction to obtain baseline levels at each location as detailed in **Appendix BD** of the Particular Specification.