

CHECKLIST FOR CERTIFIED SURVEY PLANS ON RAPID TRANSIT SYSTEM RESERVE LINES, TUNNEL GEOMETRY AND PILING/ DRILLING WORKS WITHIN 1ST RESERVE

SECTION I - PARTICULARS OF WORKS ¹			
Project Reference No.:			
Project Title:			
Description of Works:			
Submission Type: (please check only 1 type)			
<input type="checkbox"/> Geometric Survey			
<input type="checkbox"/> Piling/ Drilling works within 1st reserve Drawing no. of approved geometric survey drawings: <i>(including installation of borehole instrument, bored piles, sheet piles, ground improvement etc.)</i> Date of approval:			
Date of tunnel/ topographical survey carried out: (tunnel survey must be within a year from date of submission)			
Date of submission:			
Drawing Number & Revision Number: (indicate "-" if it is the first submission)			
SECTION II - TO BE COMPLETED BY REGISTERED LAND SURVEYOR			
Note:			
1. Please "√" the checkbox accordingly. (All items listed below are mandatory)			
2. Please provide reasons in the "Remarks" column if otherwise.			
S/No	REQUIREMENTS	COMPLIED	REMARKS
A	Files are submitted in the following:		
A1	Softcopy in dwg/dgn format.	<input type="checkbox"/>	
A2	Softcopy filename must tally with drawing number indicated on plans.	<input type="checkbox"/>	
A3	Legible certified survey plans in PDF format.	<input type="checkbox"/>	
A4	Endorsement by Registered Surveyor in PDF format.	<input type="checkbox"/>	
A5	All data tabulations in Excel format	<input type="checkbox"/>	

B	The certified survey plans include the following:		
B1	Tunnel survey carried out within a year	<input type="checkbox"/>	
B2	Topographical survey is to be in current state	<input type="checkbox"/>	
B3	MRT track alignment, cross track, lower track level, crown level and coordinates in table	<input type="checkbox"/>	
B4	MRT station at-grade structures such as station entrances, ventilation buildings etc.	<input type="checkbox"/>	
B5	MRT reserve lines and coordinates in table	<input type="checkbox"/>	
B6	Dimension of the MRT reserve lines (6m, 40m & 60m etc.)	<input type="checkbox"/>	
B7	MRT station boundary (airspace/ land/ subterranean) and coordinates in table	<input type="checkbox"/>	
B8	Label and position of proposed piling/ drilling points and tabulation of coordinates	<input type="checkbox"/>	
B9	Cross-section to be perpendicular to MRT structure	<input type="checkbox"/>	
B10	Horizontal and vertical clearances to MRT structures	<input type="checkbox"/>	
B11	Tabulated information with horizontal and vertical clearances to MRT structure	<input type="checkbox"/>	
B12	Indicate lot numbers	<input type="checkbox"/>	
B13	Indicate scale of the plans/diagrams	<input type="checkbox"/>	
C	Applicable if there are nearby road tunnels/ elevated flyover:		
C1	Underground road tunnel and elevated flyover survey carried out within a year	<input type="checkbox"/>	
C2	Road structure safety zone and coordinates in table	<input type="checkbox"/>	
C3	Dimension of the Road Structure Safety Zone (20m)	<input type="checkbox"/>	
C4	Horizontal and vertical clearances to road structures	<input type="checkbox"/>	
C5	Tabulated information with horizontal and vertical clearances to road structures	<input type="checkbox"/>	
SECTION III - TO BE COMPLETED BY REGISTERED LAND SURVEYOR			
<input type="checkbox"/>	<i>I am the appointed Registered Surveyor and I confirm that I have prepared the plans complying to the above mentioned.</i>		
Name, Signature & Stamp of Registered Surveyor		Company and Address of Registered Surveyor:	
Date:		Date:	