

SUBSTRUCTURE

Item	Description	Unit	Amount (S\$)
	<p><u>Notes:-</u></p> <p>1) The description "remove surplus excavated material off site" shall be deemed to include transporting surplus excavated materials to dumping ground to be provided by the Contractor at his own expense.</p> <p>2) The Contractor shall take all precautions to avoid any form of damage or movement of piles during the excavation works in progress.</p> <p>3) The pricing for all structural works shall include for forming of all necessary construction and expansion joints in walls and slabs including all water-bar as necessary for construction all to Engineer's approval.</p> <p>4) All excavated materials which do not fulfill the Specification requirements of backfilling material shall not be allowed to be reused for backfilling (e.g. soft organic pelt).</p> <p>5) Unless otherwise specified, lean concrete shall be allowed under all concrete works which are in contact with the ground. Where specified, hardcore shall be allowed and shall be as described spread, levelled, well compacted and consolidated, watered and blinded on top with sand to receive concrete.</p> <p>6) All rates and prices for concrete work shall be deemed to include expansion joints, construction joints, water-stoppers and the like.</p>		
	To Collection	\$	

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Item	Description	Unit	Amount (S\$)
	<u>Temporary works for ERSS and/or Contractor-Designed Construction</u> <u>Notes:-</u> 1) The rates or tender prices shall be deemed to include for all necessary temporary works for ERSS and/or Contractor-designed construction to the sides of excavation. 2) Contractor may propose his own contractor-designed construction for the ERSS temporary works. The Contractor's price for the installation and removal of the temporary works for ERSS and/or Contractor-designed construction shall be a comprehensive fixed price. 3) The Contractor shall be deemed to have inspected the soil report and have full knowledge of the soil condition before tendering. No claim for extra cost will be permitted for any misunderstanding of this important factors		
A	Provide temporary works for ERSS and/or Contractor-designed construction including provision of all temporary bracings and strutting system required as excavation work proceeds in the construction of the substructure. The Contractor is to engage a Professional Engineer and AC Geo Engineer to submit design for all temporary works for ERSS and/or Contractor-designed construction for the Consulting Engineer's approval before excavation work commences.	Item	
B	Allow for keeping the whole of the excavation free from surface or subterranean water for the full period of the Works. This may be done by continuous pumping or bailing or other approved dewatering method and shall be to the satisfaction of the Consulting Engineer.	Item	
C	Provide temporary drainage including provision of drains, pipes, sumps, pits and mechanical means for pumping of water for the duration of the	Item	
	To Collection	\$	

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Item	Description	Unit	Amount (S\$)
	<p><u>Excavation Works</u></p> <p><u>Notes:</u></p> <p>1) All excavation work shall include all necessary backfilling and consolidating with selected earth to make up any difference between the existing platform levels and final formation level, and removal of surplus excavated materials off site.</p> <p>2) All excess earth resulting from any form of excavation shall be removed away by the Contractor to his own dumping ground. Conversely for any deficiency in filling material, the Contractor shall be responsible for locating and obtaining approved earth materials at no extra cost to the Contract.</p> <p>3) Rates for excavation works shall include for carefully excavating around but not disturbing piles, pile caps, starter bars and kickers and keeping all excavated surfaces free from water.</p> <p>4) The Contractor is to note that if the existing piles are within the pile groups, he is required to enlarge the pilecaps according to the existing site conditions.</p> <p><u>Excavate commencing from reduced level to form surface trenches, pits, backfill around excavations, consolidate and level to:-</u></p> <p>A Footings</p> <p>B Beams</p> <p>C Slabs</p>	<p>Item</p> <p>Item</p> <p>Item</p>	
	To Collection	\$	

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Item	Description	Unit	Amount (S\$)
	<u>Concrete Works</u>		
	<u>Lean concrete to:-</u>		
A	Underside of footings	Item	
B	Underside of beams	Item	
C	Underside of slabs	Item	
	<u>Vibrated reinforced concrete in:-</u>		
D	Footings	Item	
E	Beams	Item	
F	Slabs	Item	
G	Retaining Walls	Item	
	<u>Mild steel/ high tensile steel reinforcement bars in:-</u>		
H	Footings	Item	
J	Beams	Item	
K	Slabs	Item	
L	Retaining Walls	Item	
	To Collection	\$	

SUBSTRUCTURE

Item	Description	Unit	Amount (S\$)
	<u>Concrete Works (Cont'd)</u>		
	<u>Prepare and fix sawn formwork to:-</u>		
A	Sides of footings	Item	
B	Sides of beams	Item	
C	Sides of slabs	Item	
D	Sides of retaining walls	Item	
	<u>Vibrated reinforced concrete with and including waterproofing admixture: all strictly in accordance to manufacturer's specification and instruction in:-</u>		
E	Beams	Item	
F	Slabs	Item	

G	Supply and apply approved waterproofing membrane system or other approved equivalent as specified to ground slab	Item	
H	Supply and install geotextile separation layer as specified laid in accordance with the manufacturer's instruction to ground slab	Item	
J	Supply and install under-screed drainage sheet as specified laid in accordance with the manufacturer's instruction to ground slab	Item	
K	Allow for construction joints to be inserted with approved waterstop with centre bulb in construction joint of slab and walls including all necessary grouting.	Item	
L	Supply and lay one layer of approved moisture membrane to underside of ground slabs in accordance with the Specification.	Item	
	To Collection	\$	

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Item	Description	Unit	Amount (\$\$)
A	<p><u>Concrete Works</u> (Cont'd)</p> <p>Allow for extra labour and materials involved in forming holes, chases, recesses, openings, penetration including all necessary PVC pipe sleeves, boxing up, sealing up gaps/openings with fire stops and waterproofed non-shrink grout, etc. whether shown in Drawing or as and when directed by the Architect and/or Consulting Engineer on site.</p> <p><u>Others</u></p>	Item	
B	<p>The Contractor shall allow and provide here for works not covered by the foregoing items but are either indicated on Drawings or described in the Specification or alluded elsewhere or which the Contractor deems necessary for the proper execution and completion of the Works. If any of these items are left unpriced, it shall be deemed that the same have been included and allowed for in the overall tender price and no subsequent claim for extra payment arising from the works due to lack of knowledge or any omissions of incidental / ancillary obvious works will be entertained.</p> <p>Provide details as follows:-</p>	Item	
	To Collection	\$	

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Item	Description	Unit	Amount (S\$)
	<u>COLLECTION</u> Page No. SUB/1 Page No. SUB/2 Page No. SUB/3 Page No. SUB/4 Page No. SUB/5 Page No. SUB/6	 	
	To Summary	\$	