

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

SUMMARY OF BILL NO. 2 - CONSTRUCTION WORKS

ITEM	DESCRIPTION	AMOUNT (S\$)
A	MOVE MANAGEMENT / SWING SPACE / DEMOLITION	
B	GENERAL BUILDERS' WORKS	
C	INTERIOR FURNISHING WORKS	
D	FURNITURE WORKS	
E	SANITARY / PLUMBING WORKS	
F	FIRE PROTECTION WORKS	
G	AIR CONDITIONING MECHANICAL VENTILATION WORKS	
H	ELECTRICAL WORKS	
I	MISCELLANEOUS	
	TOTAL AMOUNT OF BILL 2 - CONSTRUCTION WORKS TO BE CARRIED FORWARD TO SUMMARY OF TENDER	

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BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
A	MOVE MANAGEMENT / SWING SPACE / DEMOLITION		
1.0	MOVE MANAGEMENT		
	<u>Phase 1 - Move management</u>		
1.1	Supply professional move manager including provision of move briefing within 3 days of contract award, carton boxes, box label, string wrap, labour and transportation for moving of Gym equipment and approx. 6pax Football Science Office Staff's belongings, furniture, equipment and store from Jalan Besar Stadium Annex Block, Level 3, Gym & Seminar room to Swing Space @ 30 Lorong 12 Geylang Singapore 399005.	sum	
1.2	Supply professional move manager including provision of move briefing, carton boxes, box label, string wrap, labour and transportation for moving of approx. 50pax Office staff's belongings, furniture, equipment and Store from Jalan Besar Stadium Main Block, Level 2 and Level 1 to Swing Space @ Annex Block Level 3, Gym & Seminar room.	sum	
	<u>Phase 2 - Move management</u>		
1.3	Supply professional move manager including provision of move briefing, carton boxes, box label, string wrap, labour and transportation for moving of approx. 50pax Office staff's belongings, furniture, equipment and Store from Jalan Besar Stadium Annex Block, Level 4 office & Level 3's Swing Space to completed Main Block, Level 1 Executive Office, Level 2 Left Wing, Technical. Office and Level 2 Right Wing, Marketing. Office respectively.	sum	
	<u>Phase 3 - Move management</u>		
1.4	Supply professional move manager including provision of move briefing, carton boxes, box label, string wrap, labour and transportation for moving of approx. 25pax Office staff's belongings, furniture, equipment and Store from Jalan Besar Stadium Annex Block, Level 3, Swing Space to completed Annex Block, Level 4, Admin Office.	sum	
	<u>Phase 4 - Final Move management</u>		
1.5	Supply professional move manager including provision of move briefing, carton boxes, box label, string wrap, labour and transportation for moving of Gym equipment and 6 pax Football Science Office Staff's belongings, furniture, equipment and store from Swing Space @ Geylang to Jalan Besar Stadium, Annex Block Level 3, Gym.	sum	

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
A	MOVE MANAGEMENT / SWING SPACE / DEMOLITION		
2.0	SETTING UP OF TEMPORARY SWING SPACE <u>Phase 1 - Temporary Swing Space @ 30 Lorong 12 Geylang, Singapore 399005</u>		
2.1	Supply labour and material to set-up temporary work space suitable for gym and small 6 pax office. <u>Phase 1 - Temporary Swing Space @ Jalan Besar Stadium, Annex Block, Level 3, Gym & Seminar Room</u>		By Others
2.2	Supply labour and transportation to remove all unwanted furniture, equipment and store for Gym & Seminar Room. Set up temporary work space with recycled office furniture suitable for approx. 50pax, (Note: Contractor can reuse existing office furniture for setting up of swing space, if there are insufficient existing quantity, cost of additional temporary furniture are deemed inclusive under the contractor's pricing)	sum	
2.3	Supply labour and material to set-up temporary power points (4 gang each) and network points (1 each) suitable for approx. 50pax temporary work space. Cost to include temporary loan of network switches, patch panel, patch cord, cable testing the Temporary Swing Space. <i>(Note : Swing space will be used through out the entire duration of Phase 1, 2 & 3)</i> <u>Phase 4 - Temporary Swing Space @ 30 Lorong 12 Geylang, Singapore 399005</u>	sum	
2.4	Re-instate all floor, wall and ceiling finishes for temporary swing space at Geylang into it's original condition after moving out of Gym & Football Science Office.		By Others
3.0	DEMOLITION AND ALTERATION WORKS		
3.1	Supply labour, tools, transport and equipment to demolish/ dismantle/ hack away and remove, including all necessary disposal offsite, all unwanted existing <u>floor, walls, ceiling elements / fittings</u> and services to facilitate the construction of proposed new works for the respective phases of construction works.	sum	

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A	MOVE MANAGEMENT / SWING SPACE / DEMOLITION		
3.2	Supply labour, tools and transport to demolish/ dismantle/ hack and remove, including all necessary disposal offsite, all unwanted existing <u>built-in furniture, system furniture, loose furniture, stores, files and equipment</u> to facilitate the construction of proposed new works base on the respective phases of construction works.	sum	
3.3	Supply labour, tools, transport and equipment to remove existing unwanted M & E Services including but not limited to all unwanted sanitary / plumbing pipe works, fittings, wares, fire protection automatic heat detector / fire alarm panel, sprinkler system, air con pipeworks, duct works, equipment , accessories and electrical cabling, fittings / fixtures and equipment.	sum	
4.0	ANY OTHER WORKS		
4.1	Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project. Please specify below :- (Attached a separate sheet if space is in sufficient)		
	a. _____	sum	
	b. _____	sum	
	c. _____	sum	

	Total for Move Management, Swing Space & Demolition Works		

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
B	GENERAL BUILDERS' WORKS		
1.0	EXTERIOR FACADE		
1.1	Supply and install new 6+6mm thk laminated fixed glass panel and double leaf glass door for main entrance	sum	
1.2	Supply and install new planter trough in tile finishes and waterproofing within the trough c/w decorative corrugated acrylic feature back-drop panel for main entrance.	sum	
1.3	To re-cast and extend existing 3 concrete steps entrance c/w PE certification and new tile finishes.	sum	
1.4	Supply and install new tile finishes for entrance foyer from left wing fire exit door to right wing fire exit door.	sum	
1.5	Labour, material and tools to re-level existing interlocking brick tiles for drive way along main entrance area.	sum	
1.6	Supply and apply new primer protective coat and minimum 2 coats of weather proof paint finishes in selected colour for entrance facade wall.	sum	
1.7	Supply and apply new primer protective coat and minimum 2 coats of weather proof paint finishes in selected colour for existing cell ceiling, underside of the floor slab & all exposed M&E services along entrance foyer.	sum	
1.8	Supply and install new canopy light box signage above the entrance c/w with PE submission, endorsement and licensing for the signage. Cost to include all necessary power supply / isolator from FAS's Electrical D/B, concealed LED lightings and 365days digital timer .	sum	
1.9	Supply and install new light box signage (FAS's Crest) on the wall at the side of entrance c/w with PE submission, endorsement and licensing for the signage. Cost to include all necessary power supply / isolator from FAS's Electrical D/B, concealed LED lightings and 365days digital timer. (Share timer with canopy signage)	sum	
1.10	Supply and install new LED tube light fittings with concealed cabling below glass canopy of main entrance c/w power supply from FAS's Electrical D/B and 365days digital timer. (Share timer with signages).	sum	

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
B	GENERAL BUILDERS' WORKS		
2.0	WALLS & PARTITIONS		
2.1	Supply and install 150mm thick built-on-edge celcom (light weight block) walls of various height c/w cement plastering on both sides; necessary bonding ties, vertical and horizontal steel stiffener / lintel as shown on drawings for Main Block Level 1 Male / Femal / Handicap Toilets, Anti-Doping Rm & Referee Rm only.	sum	
2.2	Supply and install 100mm thick rockwool insulated (60kg/m3 density) gypsum board partition (2 layers of board on each side of 50mm thk g.i. studs) of various height c/w necessary plastering smooth surfaces of any joint lines / screw holes / openings to receive new finishes; as shown on drawings.	sum	
2.3	Supply and install mobile operable wall partitions of STC 45 sound insulation value c/w fabric padded upholstery, opaque glass whiteboard / mirror cladding as shown on drawings for Main Block Level 1 VIP / Ex-Int. Lounge and Annex Block Level 3 Seminar Room.	sum	
2.4	Supply and install movable sliding operable glass wall system of 6+6mm thk laminated tempered glass panel and manufacturer's concealed track systems as shown on drawings for Main Block Level 1 Lift Lobby.	sum	
3.0	GLAZING / METAL WORKS		
3.1	Supply and install 6+6mm thk laminated / tempered frameless glass panels c/w selected graphic design pattern using frosted film and vinyl sticker; concealed aluminium U-channels within all partitions and false ceilings; as shown on drawings.	sum	
3.2	Supply and install aluminium framed fixed double glaze laminated / tempered glass panel in specified powder coated frame colour finishes c/w 6+6mm thk on 1 pc and 10mm thk on another pc of glass with; graphic design pattern using frosted film and vinyl sticker on glass panel as shown on drawings.	sum	
3.3	Supply and install aluminium framed fixed single glaze laminated / tempered glass panel in specified powder coated frame colour finishes c/w 6+6mm thk on the single pc with; graphic design pattern using frosted film and vinyl sticker on glass panel as shown on drawings.	sum	

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
B	GENERAL BUILDERS' WORKS		
3.4	Supply and install 6+6mm thk laminated / tempered frameless glass panels c/w selected wire mesh design pattern; concealed aluminium U-channels within all partitions and false ceilings; as shown on drawings for Level 1 Left Wing Ops Rm.	sum	
3.5	Supply and install 1 hr fire rated glass with S/S frames to manufacturer's detail c/w selected graphic design pattern using frosted film and vinyl sticker; as shown on drawings for Level 3 & 4 Entrance walls.	sum	
4.0	CEILINGS		
4.1	Supply and install 600 X 600 X 18mm thick mineral fiber board grid ceiling with slim ceiling T powder coated in white c/w anti-fungus coating without any pin-hole for areas as shown on drawings.	sum	
4.2	Supply and install 12mm thick calcium silicate board plaster ceiling for wet areas as shown on drawings.	sum	
4.3	Supply and install fibrous plaster board false ceiling c/w anti-fungus coating for all surface areas, re-inforcement to support services and all necessary access panels of selected sizes for access to M&E services above the false ceiling as shown on drawings.	sum	
4.4	Supply and install Armstrong Metal-Works Mesh Ceiling (or equivalent) in selected powder coat finishes c/w re-inforcement to support services and all necessary access panels of selected sizes for access to M&E services above the false ceiling as shown on drawings.	sum	
4.5	Prepare, make good, re-arrange and remove existing unwanted services for all Exposed ceiling areas as shown on drawings.	sum	
5.0	DOORS		
5.1	Supply and install auto frameless laminated / tempered glass single leaf sliding door with frosted film / vinyl sticker pattern including ironmongery for auto sliding door; by-pass key lock; integration with security card access system, fire alarm panel and all accessories for Lift Lobby.	sum	

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
B	GENERAL BUILDERS' WORKS		
5.2	Supply and install frameless laminated / tempered glass double leaf swing door with frosted film / vinyl sticker pattern including floor spring, ironmongery & waist ht key lock of swing door for selected entrances as shown on drawings..	sum	
5.3	Supply and install frameless laminated / tempered glass single leaf swing door with frosted film / vinyl sticker pattern including floor spring, ironmongery & waist ht key lock of swing door for selected entrances as shown on drawings..	sum	
5.4	Supply and install solid timber door with sound insulation up to STC42 value ; finish in specified laminate including ironmongery, <u>conceal door closer</u> , lever lockset with master key system and hardwood door jamb in spray paint finish as shown on drawings.	sum	
5.5	Supply and install single leaf hollow flush timber door ; finish in specified laminate including ironmongery, <u>conceal door closer</u> , lever lockset with master key system and hardwood door jamb in spray paint finish as shown on drawings.	sum	
5.6	Make good existing timber door ; finish in specified laminate including new <u>conceal door closer</u> , lever lockset with master key system and repaint existing hardwood door jamb in spray paint finish as shown on drawings.	sum	
5.7	Supply and install 1 hr fire rated single leaf glass door to manufacturer's detail; finish in hairline stainless steel frame, floor spring waist ht lever lockset with master key system as shown on drawings.	sum	
5.8	Supply and install 1 hr fire rated double leaf glass door to manufacturer's detail; finish in hairline stainless steel frame, floor spring waist ht lever lockset with master key system as shown on drawings.	sum	
5.9	Supply and install 1 hr fire rated single leaf timber door to manufacturer's detail; finish in specified laminate including ironmongery, <u>conceal door closer</u> , lever lockset with master key system and hardwood door jamb in spray paint finish as shown on drawings.	sum	
5.10	Labour to reuse and make good existing Service Area timber doors c/w repaint door amd jamb	sum	

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
<p>B</p> <p>6.0</p> <p>6.1</p>	<p>GENERAL BUILDERS' WORKS</p> <p>ANY OTHER WORKS</p> <p>Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project.</p> <p>Please specify below :- (Attached a separate sheet if space is in sufficient)</p> <p>a. _____</p> <p>b. _____</p> <p>c. _____</p>	<p></p> <p>sum</p> <p>sum</p> <p>sum</p>	
	<p><i>Total for General Builder's Work</i></p>		

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
C	INTERIOR FURNISHING WORKS		
1.0	CEILING FINISHES		
1.1	Supply labour, tools and equipment to prepare and plaster all new false ceiling including all necessary cleaning and making good surfaces prior to the application of new paint works as shown on drawings.	sum	
1.2	Supply and apply 1 under coat and minimum 2 finishing coat of selected emulsion paint to all new and existing ceiling surface areas as shown on drawings,	sum	
1.3	Supply and apply 1 under coat and minimum 2 finishing coat of selected emulsion paint to all new and existing ceiling surface areas, exposed ceiling M&E and other services as shown on drawings,	sum	
2.0	WALL FINISHES		
2.1	Supply labour, tools and equipment to prepare and plaster all new and existing wall / partitions including all necessary cleaning and making good surfaces prior to the application of new paint works as shown on drawings.	sum	
2.2	Supply and apply 1 under coat and minimum 2 finishing coat of various selected emulsion paint colour to all internal wall surface areas including existing walls, new partition walls and box up areas.	sum	
2.3	Supply and apply 1 under coat and minimum 2 finishing coat of various selected enamel paint colour to wall surface areas including existing walls, new partition walls and box up areas for selected areas as shown on drawings.	sum	
2.4	Supply and install new wall tiles for selected wet areas areas c/w matching pointing and any necessary waterproofing up-turn system (All wall surfaces to be covered with tiles including surfaces behind cabinet carcasses)	sum	
3.0	WALL PANELLING		
3.1	Supply and install new laminated wall panelling with timber backing as shown on drawings for Reception Area.	sum	
3.2	Supply and install new padded fabric wall cladding cum mirror wall cladding as shown on drawings for Board Rm.	sum	
3.3	Supply and install new acoustic echo board cum opaque glass wall cladding, plywood backing and marker tray as shown on drawings for 8Pax Meeting Rm.	sum	

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C	INTERIOR FURNISHING WORKS		
3.4	Supply and install new acoustic echo board cum opaque glass wall cladding, plywood backing and marker tray as shown on drawings for all HOD Rms, 10sets	sum	
3.5	Supply and install new acoustic echo board cum opaque glass wall cladding, plywood backing and marker tray as shown on drawings for all Executive Director Rms, 3sets	sum	
3.6	Supply and install new display niches with glass shelves as shown on drawings for GSO & President Rm, 2 sets	sum	
3.7	Supply and install Tall Internet kiosk cum TV / opaque glass Whiteboard housing with marker tray for Ops area.	sum	
3.8	Supply and install new acoustic echo board with Tv housing, plywood backing as shown on drawings for side wall of Seminar rm	sum	
3.9	Supply and install new acoustic echo board cum writable / projectable whitboard, plywood backing and marker tray as shown on drawings for all Seminar Rm.	sum	
3.10	Supply and install new acoustic echo board with Tv housing, plywood backing as shown on drawings for side wall of Player's Lounge	sum	
3.11	Supply and install new acoustic echo board cum opaque glass whitboard, plywood backing and marker tray as shown on drawings for all 4 to 6 pax meeting rms, 6sets	sum	
3.12	Supply and install new mirror panel with plywood backing as shown on drawings for Gym.	sum	
3.13	Supply and install new carpet tiles on wall / floor / ceiling surfaces for 2 interview pods as shown on drawings;	sum	
4.0	FLOOR FINISHES		
4.1	Supply labour and materials to re-screed existing floor areas c/w necessary waterproofing system and trowelled smooth of surface to received new floor finishes. Cost include 10 years warranty for waterproofing of the wet areas.(Ponding test to be carried out at all wet areas for minimum 24hrs and witness by PM)	sum	
4.2	Supply labour and materials to provide cement plinth of selected height c/w necessary trowelled smooth of surface to received new floor finishes.	sum	

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
C	INTERIOR FURNISHING WORKS		
4.3	Supply and install new floor tiles for Reception and Corridor areas c/w matching pointing, any necessary waterproofing system and slope to fall.	sum	
4.4	Supply and install new floor tiles for wet areas areas c/w matching pointing, any necessary waterproofing system and slope to fall. (All floor surface in the above areas including cabinet plinths below cabinet carcasses to be covered with tiles)	sum	
4.5	Supply and install new 100mm high tile skirting c/w matching pointing for all interior floor area at Reception.	sum	
4.6	Supply and install new carpet tiles finishes with selected floor patterns, inlay and step nosing as shown on drawings	sum	
4.7	Supply and install new interlocking vinyl tiles / strips with selected floor patterns and inlay as shown on drawings.	sum	
4.8	Supply and install new gym acoustic flooring in selected floor pattern to manufacturer's specifications for Gym area as shown on drawings.	sum	
5.0	GRAPHIC POSTERS		
5.1	Graphic Designer fee to work out graphic poster design base on theme given by Interior Designer. (Cost include any fee payable for usage of stock-pictures by the graphic designer to come out with the poster design) The design is subjected to comments by End-User with request for amendments / changes up to a maximum of 3 times.	sum	
5.2	Supply and install new vinyl sticker with water-resistant printing base on design by graphic Designer under item 4.1 for selected wall within the centre as shown on drawing. (Cost of A3 size art work / mock-up print on vinyl sticker shall be provided for confirmation by End User)	sum	
	<u>Main Block Level 1 Right Wing, Executive office</u>	sum	
	* Lift Lobby entrance wall & lift door		
	* Breakout area side wall		
	<u>Main Block Level 1, Left Wing - Ops Room</u>	sum	
	* Ops Pantry side wall		
	* Medical Rm side wall		
	* Anti Doping Rm side wall		
	* Referee Rm side wall		
	<u>Main Block Level 2, Right Wing - Marketing Office</u>	sum	
	* Pantry side wall		

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
C	INTERIOR FURNISHING WORKS		
	<u>Main Block Level 2, Left Wing - Technical Office</u>	sum	
	* Pantry side wall		
	* Lift Lobby entrance wall & lift door		
	<u>Annex Block Level 3 Gym / Seminar Rm</u>	sum	
	* Gym side walls, 2 lots		
	<u>Annex Block Level 4 Admin Office</u>	sum	
	* Pantry side wall		
5.0	BLINDS / CURTAINS		
5.1	Supply and install new 5% perforated blinds for selected external window areas as shown on drawings.	sum	
5.2	Supply and install new motorised blackout blinds for Level 1, Board room and 8 pax Meeting Room in-between double glazed glass panel as shown on drawings.	sum	
5.3	Supply and install new massage bed curtain with suspended track system as shown on drawings.	sum	
6.0	SIGNAGES		
6.1	Supply and install new Main Centre Backlit Signage base on elevation and Client's bromite as specified at Reception with provision of art work for approval by Client; Fabrication / Installation of actual signage at Reception.	sum	
6.2	Supply and install new Door Sign base on Designer's Theme for all internal Doors. Provision of art work for approval by Client; Fabrication / Installation of actual signage on doors.	sum	
6.3	Supply and install new Directory Signage base on Designer's Theme for Lift Lobby Areas. Provision of art work for approval by Client; Fabrication / Installation of actual signage on all backdrops, 8 sets	sum	
6.4	Supply and install new Miscellaneous Signages base on Designer's Theme for all Push / Pull sign on doors; Fire Extinguisher sign; No Smoking / No Eating Sign; Other Warning signs and Etc with provision of art work for approval by Client; Fabrication / Installation of actual signage at selected locations.	sum	
6.5	Supply and install new workstation Sign base on Designer's Theme for all internal Doors. Provision of art work for approval by Client; Fabrication / Installation of actual signage on workstations	sum	

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C	INTERIOR FURNISHING WORKS		
6.6	Supply and install new Centre Backlit Signage base on elevation and Client's bromite as specified at Reception with provision of art work for approval by Client; Fabrication / Installation of actual signage at Annex Block Level 3 & 4 main entrances.	sum	
7.0	ANY OTHER WORKS		
7.1	<p>Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project.</p> <p>Please specify below :- (Attached a separate sheet if space is in sufficient)</p> <p>a. _____</p> <p>b. _____</p> <p>c. _____</p>	<p>sum</p> <p>sum</p> <p>sum</p>	
	Total for Interior Furnishing Works		

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	<p>FURNITURE WORKS</p> <p>NOTES:</p> <ul style="list-style-type: none"> - All built in furniture to be finished in high quality plastic laminate as specified in the Specifications and edging to be finished with pvc hard edging in the thickness range as specified in the Specifications. Hard edging colour and woodgrain to achieved, at the least a 98% match of colour to the selected laminate - Internal finishes (not visible) are to be in black polykem finish as shown in drawings - All cabinets to come with adjustable internal shelvings c/w multi tracks whenever as shown in the drawings - Position of power socket and other services sockets are to be site marked on all carcasses, cut and installation of K.O. box are to be carried out by the Contractor, Conduit access has to be laid and installed using all possible ways to conceal. - Actual measurements of all equipment required to be fitted on all furniture have to be confirmed, viewed and checked prior to commencement of works. Services access and ventilation requirements of such equipment is to be taken into consideration together with power and network cabling. - All site marking outline including M&E points, furniture fitting, etc., are to be marked on site by the Contractor and confirmed by the Client, end users, Project Manager and Designer before commencement of works. - Provision of grommet hole access and capping, ventilation slots of various sizes are to be provided as and when required by the Designer. - All drawers and cabinets are to be provided in quality self-closing/ anti slam ironmongeries, hinges and locksets. Individual key lock with Master Keys are to be provided. - All plywood and timber material shall come from approved supplier source without emitting VOC during and after construction / installation. Certificate of Conformity shall be submitted by tender before fabrication of furniture. 		

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ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	FURNITURE WORKS		
1.0	CUSTOM FURNITURE <u>Main Block Level 1 - Exec Office</u>		
1.1	Supply and install Reception Counter in solid surface and laminate finishes c/w double layer counter and desk top, drawer and storage cabinets.	sum	
1.2	Supply and install Reception Double sided TV cabinet in Stainless steel frame and laminate finishes.	sum	
1.3	Supply and install Display cum low & hanging cabinet with laminate carcass for VIP Lounge	sum	
1.4	Supply and install Display cum low & hanging cabinet with laminate carcass for Ex-Int. Lounge.	sum	
1.5	Supply and install Full Ht Audio Video cabinet with laminate carcass for Ex-Int. Lounge.	sum	
1.6	Supply and install Board table with cable access in laminate carcass for Board room	sum	
1.7	Supply and install Whiteboard cum Audio Video full ht cabinet with writable / projectable whiteboard and laminate carcass for Board room.	sum	
1.8	Supply and install Seating Benches with backrest with laminate carcass, fabric upholstery and bottom storage cabinet for Board room.	sum	
1.10	Supply and install Meeting table with cable access in laminate carcass for 8pax Meeting room.	sum	
1.11	Supply and install Beverage cum buffet cabinet with laminate carcass for corridor area.	sum	
1.12	Supply and install Pantry / D/B / Filing cabinet with solid surface top cum laminate carcass for corridor area.	sum	
1.13	Supply and install Seating Benches with backrest with laminate carcass, fabric upholstery and bottom storage cabinet for Breakout Area.	sum	
1.14	Supply and install Display cum magazine cabinet with laminate carcass for Breakout area.	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	FURNITURE WORKS		
1.15	Supply and install Low / hanging cabinet with laminate carcass for Utility area.	sum	
1.16	Supply and install Tall Filing cabinet with laminate carcass for Office area	sum	
1.17	Supply and install low planter cabinet with laminate carcass for Office area, 2 nos	sum	
1.18	Supply and install Full ht Display cum Filing cabinet with laminate carcass for Exec Office area	sum	
	<u>Main Block Level 1 Left Wing - Ops Area)</u>		
1.19	Supply and install Tall Display Showcase with laminate carcass for Corridor area.	sum	
1.20	Supply and install Vanity cabinet with Mirror including Solid surface top and laminate carcass for Male, Female & Handicap Toilet. (2 sets)	sum	
1.21	Supply and install Phenolic board toilet cubicles c/w phenolic boards cubicles and accessories for Male and Female Toilets.	sum	
1.22	Supply and install Platform seating / lockers including laminate carcass & number locks at Ops Area (2 sets).	sum	
1.23	Supply and install Tall Library Display Showcase with laminate carcass, mirror backing for Ops area.	sum	
1.24	Supply and install Tall Internet kiosk cum TV / Whiteboard housing for Ops area.	sum	
1.25	Supply and install Low storage cabinet for Discussion rooms. (2 sets)	sum	
1.26	Supply and install Pantry low / hanging cabinet with solid surface top, opaque glass backing & laminate carcass for Ops area.	sum	
	<u>Main Block Level 1 Left Wing - Tunnel</u>		
1.27	Labour and material to make good existing Phenolic board storage compartment including replacement of lockset. (3 lots)	sum	
1.28	Supply and install Low desk top / hanging cabinet with solid surface top & laminate carcass for Medical Centre.	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	FURNITURE WORKS		
1.29	Supply and install Low desk top / hanging cabinet with solid surface top & laminate carcass for Anti-Doping Rm.	sum	
1.30	Supply and install Phenolic board toilet / shower cubicles c/w phenolic boards cubicles and accessories for Anti-Doping Rm	sum	
1.31	Supply and install Pantry cabinet with solid surface top, laminate carcass & opaque glass backing for Referee rm.	sum	
1.32	Supply and install Phenolic board toilet / shower cubicles c/w phenolic boards cubicles and accessories for Referee's Rm.	sum	
1.33	Supply and install Phenolic board locker cabinets c/w number lock and accessories for Referee's Room.	sum	
	<u>Main Block Level 2 Right Wing - Marketing Office</u>		
1.34	Supply and install Full ht Filing cabinet with laminate carcass for office areas. (2 sets)	sum	
1.35	Supply and install Low / hanging cabinet with laminate carcass for Utility area.	sum	
1.36	Supply and install Pantry cabinet with solid surface top, laminate carcass & opaque glass backing for Pantry	sum	
1.37	Supply and install Low desk top / hanging cabinet with laminate carcass for production office.	sum	
	<u>Main Block Level 2 Left Wing - Technical Office</u>		
1.38	Supply and install Full ht Filing cabinet with laminate carcass for office areas. (2 sets)	sum	
1.39	Supply and install Low / hanging cabinet with laminate carcass for Utility area.	sum	
1.40	Supply and install Pantry cabinet with solid surface top, laminate carcass & opaque glass backing for Pantry	sum	
1.41	Supply and install Low cabinet with laminate carcass for office area against window.	sum	
1.42	Supply and install Low cabinet with Planter in laminate carcass for office areas.	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	FURNITURE WORKS		
	<u>Annex Block Level 3 - Gym / Office</u>		
1.43	Supply and install Full ht Filing cabinet with laminate carcass for office area.	sum	
1.44	Supply and install Low / hanging cabinet with laminate carcass for Office Utility area.	sum	
1.45	Supply and install Low cabinet with laminate carcass for office area.	sum	
1.46	Supply and install Low / hanging cabinet with solid surface top, laminate carcass for Physio area.	sum	
1.47	Supply and install Full ht storage cabinet in laminate carcass for Physio area.	sum	
1.48	Supply and install Full ht deep storage cabinet with laminate carcass for gym area.	sum	
	<u>Annex Block Level 3 - Player's Lounge / Seminar Rm</u>		
1.49	Supply and install Pantry cabinet with solid surface top, laminate carcass & opaque glass backing for Lounge Area.	sum	
1.50	Supply and install Display cum magazine cabinet with laminate carcass for Lounge Area.	sum	
1.51	Supply and install Low cabinet with laminate carcass for Seminar rm.	sum	
	<u>Annex Block Level 4 - Admin Office</u>		
1.52	Supply and install Tall Pigeon Hole cabinet with laminate carcass for Waiting Area.	sum	
1.53	Supply and install Low cabinet with laminate carcass for Meeting rm. (2 sets)	sum	
1.54	Supply and install Full ht Filing cabinet with laminate carcass for office areas. (2 sets)	sum	
1.55	Supply and install Low / hanging cabinet with laminate carcass for Utility area. (2 sets)	sum	
1.56	Supply and install Pantry cabinet with solid surface top, laminate carcass & opaque glass backing for Pantry	sum	
1.57	Supply and install Full Ht Filing Open shelves cabinet with laminate carcass for IT Rm & Filing Rm (2 sets).	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	FURNITURE WORKS		
2.0	SYSTEM FURNITURE		
2.1	Supply and install Executive Rm's L-shape Desk, pedestal with back credenzer Cabinet of size 1800 x 750 desk, 1200 x 600 return, 1800 x 450 cab in selected laminated finishes as shown on drawing. (3 sets)	sum	
2.2	Supply and install HOD Rm type 1, L-shape Desk, pedestal with rear cabinet of size 1500 x 700desk, 1000 x 450return, 1500 x 450 cab in selected laminated finishes as shown on drawing (4 sets)	sum	
2.3	Supply and install MC Rm's L-shape Desk and pedestal of size 1500 x 700desk, 1000 x 450return in selected laminated finishes as shown on drawing (1 set)	sum	
2.4	Supply and install HOD Rm type 2, Desk, Tall cabinet, pedestal, wall hung cabinet / open shelves & Round Discussion Table of size 1800 x 600desk, 600 x 600 x 1500h cab, dia. 700 table in selected laminated finishes as shown on drawing (6 sets)	sum	
2.5	Supply and install General Workstations with Rectangle Desk, Suspended Screen, open shelves, long pedestal with cushion, side slot in panel & Monitor arms of size 1500 x 600 in selected laminate finish as shown on drawing (43 sets)	sum	
2.6	Supply and install Co-Sharing Workstations with Rectangle Desk, Suspended Screen, open shelves, pedestal & side slot in panel of size 1350 x 600 in selected laminate finish as shown on drawing (26 sets)	sum	
2.7	Supply and install HOD Workstations with Rectangle Desk, Suspended Screen, open shelves, long pedestal with cushion, side slot in panel, Monitor arms and round discussion tables of size 1500 x 600 desk, dia 700 round table in selected laminate finish as shown on drawing (4 sets)	sum	
2.8	Supply and install Modular rectangle desk as Hotdesk with cable management of size 1500 x 900 in selected laminate finish as shown on drawing. (3 sets)	sum	
2.9	Supply and install 3pax circular meeting table with cable management of size dia. 700 in selected laminate finish as shown on drawing. (2 sets)	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	FURNITURE WORKS		
2.10	Supply and install 4pax circular meeting table with cable management of size dia. 900 in selected laminate finish as shown on drawing. (1 set)	sum	
2.11	Supply and install 4pax rectangle meeting table with cable management of size 1500 x 900 in selected laminate finish as shown on drawing. (2 sets)	sum	
2.12	Supply and install 6pax rectangle meeting table with cable management of size 1800 x 900 in selected laminate finish as shown on drawing. (3 sets)	sum	
2.13	Supply and install Foldable rectangle training table with cable management & castors of size 1500 x 500 in selected laminate finish as shown on drawing. (20 sets)	sum	
2.14	Supply and install 2-tiers swing door cabinet w/ planter in selected laminate finish as shown on drawing (11 sets)	sum	
2.15	Supply and install 18 bays compactus in selected metal with powder coated finish as shown on drawing. (1 set)	sum	
3.0	CHAIRS		
3.1	Supply and install Mid back mesh chair with adjustable armrest for Staffs, Board Rm & 8pax Meeting Rm with height, synchro tilt adjustment, fabric seat rest and 5 prong castor base. (100pcs)	sum	
3.2	Supply and install High back mesh chair with adjustable armrest for Executive Staffs with height, synchro tilt adjustment, leather seat rest and 5 prong castor base. (14 pcs)	sum	
3.3	Supply and install Mid back mesh chair without armrest for Visitors / Meeting Rm with height, synchro tilt adjustment, fabric seat rest and 5 prong castor base. (87 pcs)	sum	
3.4	Supply and install UPVC stackable training chairs with castors , (50 pcs)	sum	
4.0	LOOSE FURNITURE		
	<u>Main Block Level 1 Right Wing - Executive Office</u>		
4.1	Supply and install Waiting Area's sofa settee with 2 armchair and 1 coffee table as shown on drawing	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	FURNITURE WORKS		
4.2	Supply and install VIP Lounge's sofa settee with 2 armchairs, 1 2-seater, 1 3 seater and 1 rectangle coffee table as shown on drawing	sum	
4.3	Supply and install Ex-Int. Lounge's sofa settee with 1 armchair, 1 2-seater, 1 3 seater and 1 rectangle coffee table as shown on drawing	sum	
4.4	Supply and install Breakout Area's Dining set with 2 square dining table, 2 round dining table, 8 dining chairs and 4 poufs as shown on drawing	sum	
4.5	Supply and install Executive Office Lounge's sofa settee with 2 armchairs, 1 2-seater, 2 poufs, 2 side table and 1 round coffee table as shown on drawing	sum	
	<u>Main Block Level 1 Left Wing - Ops Area / Tunnel</u>		
4.6	Supply and install Ops Area's Dining set with 3 square dining table, 2 round dining table and 9 dining chairs as shown on drawing	sum	
4.7	Supply and install Medical Rm's Locker with 4 sets of 2 tiers locker as shown on drawing.	sum	
4.8	Supply and install Anti-Doping room's Linked-chairs with 2 sets of 4 linked chairs as shown on drawing	sum	
4.9	Supply and install Referees Area's Dining set with 1 rectangle dining table, 6 dining chairs as shown on drawing	sum	
	<u>Main Block Level 2 Right Wing - Marketing Office</u>		
4.10	Supply and install Marketing Pantry Area's Dining set with 1 round dining table, 4 dining chairs and 3 bar stools as shown on drawing	sum	
4.11	Supply and install Marketing Waiting Area's sofa settee with 2 armchair and 1 coffee table as shown on drawing	sum	
	<u>Main Block Level 2 Left Wing - Technical Office</u>		
4.12	Supply and install Technical Pantry Area's Dining set with 1 round dining table, 4 dining chairs and 3 bar stools as shown on drawing	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
D	FURNITURE WORKS		
	<u>Annex Block Level 3 Gym / Office</u>		
4.13	Supply and install Lounge Area's sofa settee with 12 armchairs and 3 coffee table as shown on drawing	sum	
	<u>Annex Block Level 4 - Admin Office</u>		
4.14	Supply and install Waiting Area's sofa settee with 2 armchair and 1 coffee table as shown on drawing	sum	
4.15	Supply and install Pantry's sofa settee with 4 armchair, 1 coffee table and 4 bar stools as shown on drawing	sum	
5.0	ANY OTHER WORKS		
5.1	<p>Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project.</p> <p>Please specify below :- (Attached a separate sheet if space is in sufficient)</p> <p>a. _____</p> <p>b. _____</p> <p>c. _____</p>	sum sum sum	
	Total for Furniture Works		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
E	<p>PLUMBING & SANITARY WORKS</p> <p><u>GENERAL NOTES</u></p> <p>To carry out Design & Built works as shown in the drawings and specifications to the satisfaction of the Employer and Consultant with reference to the following:-</p> <ul style="list-style-type: none"> - The entire plumbing and sanitary works shall be in compliance with the current edition of Singapore standard CP 48, Code of Practice for Water Services. - All works must be carried out by a qualified licensed Plumber / worker in accordance and compliance with PUB, and all related code of practise. - The contractor shall be responsible for any PUB testing / calibration / license plumber's endorsement fees, etc required before the sanitary and plumbing installations is put into operation. All cost connected therewith shall be deemed included in the sanitary and plumbing contract. - The contractor shall notify PM of any provision of the specified specifications of sanitary and plumbing works which is in conflict with local code of practice and addendum shall be issued to correct specification. Local code will take precedence. - All catalogues for sanitary wares and fittings shall be submitted to PM for approval prior to order. - Locations of all sanitary fittings and wares and etc, shown are for general guidance only. Exact location of all fittings, wares and etc are to be determined and co-ordinated on site to suit site condition. - Prices shall include for the contractor to co-ordinate with other related vendors in order to complete the works. - The following description is as guide to Tenderers only. All the M&E works shall be carried out in accordance to specifications and attached drawings. 		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
E	PLUMBING & SANITARY WORKS		
1.0	GENERAL		
1.1	To allow License Plumber's submission to PUB, NEA and Other relevant Authorities / Agencies of the below mentioned installations and to make all arrangement and defray all costs / fees for the testing of the complete installation as shall be required by PUB, NEA and other relevant Authorities. Site supervision, compliance with all terms and conditions of the contract and provision of shop / as-built drawings before / after completion of works.	sum	
1.2	Allow for testing, commissioning and project management of the complete system including co-ordination with other relevant vendors and Structural PE endorsement on works or penetration to be carried out on the structural floor slab.	sum	
1.3	Allow for service maintenance, warranty and replacement of parts during the 12 months Defects Liability Period.	sum	
2.0	PIPING AND DRAINAGE WORKS		
2.1	Supply, delivery and installation of new stainless steel cold-water pipe works c/w private water meter for each pantry, check valves, gate valves, ball valves, water filter and all accessories as required for the following areas;- <ul style="list-style-type: none"> - Main Block Level 1, Pantry for Executive office - Main Block Level 1, Male, Female & Handicap Toilet. - Main Block Level 1, Ops Area's Pantry. - Main Block Level 1, Medical / Anti-Doping / Referee Rm. - Main Block Level 2, Right Wing - Pantry for Mkting Office - Main Block Level 2, Left Wing - Pantry for Tech. Office - Annex Block Level 3, Pantry for Player Lounge area - Annex block Level 4, Pantry for Admin Office 	sum	
2.2	Supply and install floor wastes, floor traps and connect to sanitary waste pipe located at floor below c/w coring, supports, pipework & fittings as required. Allow for cost to survey accessibility of the ceiling space below in order to facilitate the new installations. Method of statement to be provided along with application for permit from Landlord;- <ul style="list-style-type: none"> - Main Block Level 1, Pantry for Executive office - Main Block Level 1, Male, Female & Handicap Toilet. - Main Block Level 1, Ops Area's Pantry. - Main Block Level 1, Medical / Anti-Doping / Referee Rm. - Main Block Level 2, Right Wing - Pantry for Mkting Office - Main Block Level 2, Left Wing - Pantry for Tech. Office - Annex Block Level 3, Pantry for Player Lounge area - Annex block Level 4, Pantry for Admin Office 	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
E	PLUMBING & SANITARY WORKS		
3.0	SANITARY WARES & FITTINGS		
3.1	<p>Supply and install following approved sanitary wares fixtures and fitting c/w all sanitary and plumbing piping works; brackets; and accessories as follow:</p> <p><u>All Pantries cabinets</u></p> <ul style="list-style-type: none"> * Selected single bowl stainless steel sink with drainer c/w bottle trap and accessories * Selected goose neck sink mixer <p><u>Male / Female / Handicap Toilet for Main Block Level1</u></p> <ul style="list-style-type: none"> * Selected seating type water closet with sensor flush * Selected wall hung wash basin for handicap Toilet * Selected standard size recessed wash basin for vanity counter for both Male & Female Toilets. * Selected sensor water tape for vanity basin for Male, Female & Handicap Toilets * Selected jumbo toilet paper holder * Selected auto sensor hand soap dispenser * Selected hand dryer * Selected bidget spray * Selected standard mirror for handicap toilet. * Selected standard handicap rail bar set * Selected bid tap for washing of toilet. <p><u>Medical Rm at Main Block Level1 Tunnel</u></p> <ul style="list-style-type: none"> * Selected standard size recessed wash basin for vanity counter for both Male & Female Toilets. * Selected sensor water tape for vanity basin for Male, Female & Handicap Toilets <p><u>Anti-Dping Rm / Referee Rm at Main Block Level1 Tunnel</u></p> <ul style="list-style-type: none"> * Selected seating type water closet with sensor flush * Selected wall hung wash basin for Toilet cubicles * Selected sensor water tape for wash basin. * Selected standard mirror for each cubicles * Selected jumbo toilet paper holder * Selected auto sensor hand soap dispenser * Selected hand dryer * Selected bidget spray * Selected instant water heater with shower mixer, rain shower, shower rail and showerhead set 	<p>sum</p> <p>sum</p> <p>sum</p> <p>sum</p>	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
<p>E</p> <p>4.0</p> <p>4.1</p>	<p>PLUMBING & SANITARY WORKS</p> <p>ANY OTHER WORKS</p> <p>Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project.</p> <p>Please specify below :- (Attached a separate sheet if space is in sufficient)</p> <p>a. _____</p> <p>b. _____</p> <p>c. _____</p> <p>_____</p>	<p></p> <p>sum</p> <p>sum</p> <p>sum</p>	
	<p><i>Total for Sanitary & Plumbing Works</i></p>		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
E	<p>FIRE PROTECTION WORKS</p> <p>GENERAL NOTES:</p> <p>To carry out Design & Built works as shown in the drawings and specifications to the satisfaction of the Employer and Consultant with reference to the following:-</p> <ul style="list-style-type: none"> - The entire fire protection installation shall be in compliance with the current standards of PUB, FSSD, BCA, CP10 : 2005, CP29 : 1998, CP52 : 2004 and all other relevant code of practise including all amendment todate. - All works must be carried out by a qualified licensed Contractor in accordance and compliance with PUB, FSSD and all related code of practise. - Locations of all fire extinguisher and etc shown are for general guidance only. Exact location of all provision are to be determined and co-ordinated on site. - All wiring shall be in GI conduit and painted red - Prices shall include for the contractor to co-ordinate with other contractors and vendor in order to complete the works. - The following description is as guide to Contractors only. All the M&E works shall be carried out in accordance to specifications and attached drawings. 		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
E	FIRE PROTECTION WORKS		
1.0	GENERAL		
1.1	To allow for PE submission to FSSD and Other relevant Authorities for the below mentioned services, installation and to make all arrangement and defray all costs / fees for the testing of the complete installation as shall be required by FSSD and other relevant Authorities. Site supervision, compliance with all other terms and provision of shop / as-built drawings before / after completion of works.	sum	
1.2	Allow for testing, commissioning and project management of the complete system including co-ordination with other relevant vendors and Structural PE Endorsement on any works or penetration to be carried out on the floor slab or any other structural works..	sum	
1.3	Allow for service maintenance, warranty and replacement of parts during the 12 months Defects Liability Period.	sum	
2.0	SPRINKLER SYSTEM		
2.1	Drainage and charging of water for sprinkler system.	sum	
2.2	To supply and install new concealed upright sprinklers at full height partition; To alter, relocate or delete existing concealed upright sprinklers at full height partition. - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room - Main Block Level 1, Medical, Anti-doping & Referee's rm. - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office	sum	
2.3	To supply and install new exposed royal flush sprinklers at full height partition; To alter, relocate or delete existing exposed royal flush sprinklers at full height partition. - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room - Main Block Level 1, Medical, Anti-doping & Referee's rm. - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office	sum	
2.4	To supply and install new galvanized main and range pipe as per requirements. - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room - Main Block Level 1, Medical, Anti-doping & Referee's rm. - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
E	FIRE PROTECTION WORKS		
2.5	To test and commission the entire sprinkler system base on our alterations works	sum	
3.0	AUTOMATIC FIRE ALARM SYSTEM		
3.1	To supply and install new strobe light and bell c/w wiring, metal conduits and other accessories as per requirements. - Main Block Level 1, Left Wing - Toilets - Main Block Level 1, Anti-doping rm's shower cubicles. - Main Block Level 1, Referee's rm's shower cubicles.	sum	
3.2	To supply and install new / relocate existing / delete existing concealed heat detectors connected to existing fire alarm panel (FAP) c/w fire resistant cables, wiring, metal conduits and other accessories as per requirement. - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office	sum	
3.3	To supply and install new / relocate existing / delete existing exposed heat detectors connected to existing fire alarm panel (FAP); c/w fire resistant cables, wiring, metal conduits and other accessories as per requirement. - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office	sum	
3.4	To modify and alter existing fire alarm panel (FAP) with extra interfacing points for connection to security system of entrance doors; Cost to include additional FAP, if needed in order to complete the installations. - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room - Main Block Level 1, Medical, Anti-doping & Referee's rm. - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office	sum	
4.0	FIRE EXTINGUISHER		
4.1	Supply and installation of new fire extinguishers c/w steel cabinets and signages - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room - Main Block Level 1, Medical, Anti-doping & Referee's rm. - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
E	FIRE PROTECTION WORKS		
5.0	BUILDING PA SPEAKERS		
5.1	To supply labour, tools and material for relocation of existing building PA speakers to suit new respective office layout. Cost shall include necessary survey of existing provision, upgrade to fire rated cables to suit current Code of Practise, Testing and Commissioning of system. - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room - Main Block Level 1, Medical, Anti-doping & Referee's rm. - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office	sum	
6.0	ANY OTHER WORKS		
6.1	Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project. Please specify below :- (Attached a separate sheet if space is in sufficient)	sum	
a.	_____	sum	
b.	_____	sum	
c.	_____ _____	sum	
	Total for Fire Protection Works		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
G	<p>AIR CON MECHANICAL VENTILATION WORKS</p> <p>GENERAL NOTES :</p> <p>To carry out Design & Built works as shown in the drawings and specifications to the satisfaction of the Employer and Consultant with reference to the following:-</p> <ul style="list-style-type: none"> - All details of equipment, material and installation standards shall comply with specifications of the latest editions (with amendment) of CP13 : 1999 current at time of order being particular applicable. - Where the material and equipment offer comply with other standards, the Contractor shall demonstrate they meet the requirements of this job scope and submit details to PM for approval. Notwithstanding anything to be contrary contained herein pertaining to this installation, it shall be the Contractor's responsibilities to ensure all works are in strict accordance with Relevant British Standards, PUB & BCA Code of Practise, statutory obligation, regulations and specifications. - The Contractor shall submit the full technical details and equipment sizes and relevant drawings of the equipment to the PM for approval prior to purchase of equipment. - The contractor shall notify PM of any provision of the specified specifications of ACMV works which is in conflict with local code of practice and addendum shall be issued to correct specification. Local code will take precedence. - Locations of all equipments are for general guidance only. Exact location of all equipment, etc are to be determined and co-ordinated on site to suit the furniture / equipment layout. - Prices include for the contractor to co-ordinate with all other relevant parties in order to complete the works. - The following description is as guide to Contractors only. All the M&E works shall be carried out in accordance to 		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
G	AIR CON MECHANICAL VENTILATION WORKS		
1.0	GENERAL		
1.1	To allow for Professional Engineer's (PE) submission to NEA, FSSD and other relevant Authorities for the below installations and to make all arrangement and defray all costs / fees for the testing of the complete installation as shall be required by NEA, FSSD and other relevant Authorities. Site supervision, compliance with all other terms and conditions of the contract and provision of shop / as-built drawings before / after completion of works.	sum	
1.2	Allow for testing, commissioning and project management of the system including co-ordination with other relevant vendors and Structural PE Endorsement on any penetration to be carried out on floor slab.	sum	
1.3	Allow for Twelve (12) month warranty and including bi-monthly servicing and changing of spare parts.	sum	
2.0	AIR CONDITIONING SYSTEM		
2.1	To supply and install new VRV system c/w wired control face plate and accessories including thermostat, steel frame support & etc. DX Split Fan Coil Units (FCU) shall be Ceiling cassette round flow sensing type and connected to condensing unit as per requirement (All rooms of less than 10m ² shall come with mini series ceiling cassette FCU):-		
	<u>Main Block Level 1 Right Wing, Executive office</u>		
	- Condensing Unit CU 1 , 40.0kw	sum	
	* FCU - Director rm / Exec Dir rm x 4unit, 2.8kw each		
	* FCU - Office Area / Exec Office Area x 3unit,7.1kw each		
	* FCU - Breakout Area x 1unit, 7.1kw		
	- Condensing Unit CU 2 , 40.0kw	sum	
	* FCU - Board room x 2unit, 4.5kw each		
	* FCU - 8 pax Meeting room x 1unit, 5.6kw		
	* FCU - Lounge / Reception x 3unit, 7.1kw each		
	* FCU - Corridor x 1unit, 3.6kw		
	<u>Main Block Level 1, Left Wing - Ops Room</u>		
	- Condensing Unit CU 3 , 50.0kw	sum	
	* FCU - MC Rm / Pantry Discussion Rm, x 4unit, 2.8kw each (Note: 2 units of Prayer rm to duct air supply from Discussion rm's FCU)		
	* FCU - Ops Rm x 2unit , 7.1kw each		
	* FCU - Corridor / Lift Lobby x 3unit, 3.6kw each		
	* FCU - Medical Rm x 1unit, 2.8kw		
	* FCU - Anti-Doping Rm x 1unit, 4.5kw		
	* FCU - Referee Rm x 1unit, 5.6kw		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
<p>G</p> <p>2.2</p>	<p>AIR CON MECHANICAL VENTILATION WORKS</p> <p><u>Main Block Level 2, Right Wing - Marketing Office</u></p> <ul style="list-style-type: none"> - Condensing Unit CU 4 , 50.0kw * FCU - Director Rm / Meeting Rm x 4unit, 2.8kw each * FCU - Production rm x 1unit, 3.6kw * FCU - Pantry x 1unit 3.6kw * FCU - Office area x 4unit, 7.1kw each <p><u>Main Block Level 2, Left Wing - Technical Office</u></p> <ul style="list-style-type: none"> - Condensing Unit CU 5 , 50.0kw * FCU - Director Rm / Meeting Rm x 5unit, 2.8kw each * FCU - Hotdesk / Utility area x 1unit, 3.6kw * FCU - Pantry x 1unit 3.6kw * FCU - Office area x 4unit, 7.1kw each <p><u>Annex Block Level 3 Gym / Seminar Rm</u></p> <ul style="list-style-type: none"> - Condensing Unit CU 6 , 50.0kw * FCU - Physio Rm x 2unit, 4.5kw each * FCU - Office Area x 2unit, 5.6kw each * FCU - Gym Area x 3unit, 9.0kw each <ul style="list-style-type: none"> - Condensing Unit CU 7 , 67.0kw * FCU - Gym Area x 3unit, 9.0kw each * FCU - Lounge Area x 2unit, 7.1kw each * FCU - Seminar rm x 3unit, 7.1kw each <p><u>Annex Block Level 4 Admin Office</u></p> <ul style="list-style-type: none"> - Condensing Unit CU 6 , 67.0kw * FCU - Interview rm x 2unit, 2.8kw each * FCU - Waiting Area x 1unit, 3.6kw * FCU - Meeting rms x 2unit, 5.6kw each * FCU - Office Area x 5unit, 7.1kw each * FCU - Server Hub Rm x 1unit, 3.6kw <p><i>(Note: FCU for Server Hub to interlock with another independent set of FCU for 24hr operations)</i></p> <ul style="list-style-type: none"> * FCU - Filing Area / Storage Rm x 2unit, 2.8kw each * FCU - Compactus rm x 1unit, 3.6kw * FCU - Director Rm x 2unit, 2.8kw each <p>To supply and install new A/C system c/w wired control face plate and all accessories including thermostat and steel frame support. DX Split Fan Coil Units (FCU) shall be Wall Mounted type and connected to condensing unit as per requirement;-</p> <p><u>Main Block Level 2 Right Wing, Server Room</u></p> <ul style="list-style-type: none"> - 1 FCU to 1 Condensing unit x 2 sets, 3.6kw each * Existing high temperature and auto change-over panel shall be recycled for existing server room. All existing unwanted FCU / CU to be removed. 	<p>sum</p> <p>sum</p> <p>sum</p> <p>sum</p> <p>sum</p> <p>sum</p>	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
G	AIR CON MECHANICAL VENTILATION WORKS		
2.3	<p>To supply and install new A/C system c/w wired control face plate and all accessories including thermostat and steel frame support. DX Split Fan Coil Units (FCU) shall be Wall Mounted type and connected to condensing unit as per requirement;-</p> <p><u>Annex Block Level 4 Admin Office, Server Hub Room</u></p> <ul style="list-style-type: none"> - 1 FCU to 1 Condensing unit x 1 set, 3.6kw * New control panel for high temperature and auto change-over shall be provided to interlock with another set of VRV / FCU as indicated on item 2.1 for 24hrs operation. 	sum	
3.0	MECHANICAL VENTILATION SYSTEM		
3.1	<p>To supply labour, tools and transportation to dismantle / remove existing unwanted duct, flexible ducts, grilles and etc. Contractor shall carry out site survey and verify the existing site condition and highlight any discrepancy before dismantling the duct installations.</p>	sum	
3.2	<p>To supply and install new FRESH AIR fan system c/w silencers on both sides, acoustic box-up, local start / stop control panel, power and control wiring, starters, mountings, timer, labelling and all ancillary and accessories as required. The contractor shall provide control cable to interlock the fresh air fan to all FCUs for activation of fresh air fn when any FCU is in operations;-</p> <ul style="list-style-type: none"> - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room - Main Block Level 1, Medical, Anti-doping & Referee's rm. - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office 	sum	
3.3	<p>To supply and install new EXHAUST AIR fan system c/w silencers on both sides, acoustic box-up, local start / stop panel, power and control wiring, starters, mountings, timer, labelling and all ancillary and accessories as required.</p> <ul style="list-style-type: none"> - Main Block Level 1, Male / Female / Handicap Toilet - Main Block Level 1, Medical, Anti-doping & Referee's rm. <p><i>(Note: Individual grills shall be provided at each toilet cubicles and it shall be interlock with lighting switches)</i></p>	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
G	AIR CON MECHANICAL VENTILATION WORKS		
3.4	To supply and install new DUCT works to the above fans c/w flexible connections, access panels, volume control dampers, painting, labelling and all necessary ancillary and accessories. Ducts shall be connected to existing external facing grilles;- <ul style="list-style-type: none"> - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room - Main Block Level 1, Medical, Anti-doping & Referee's rm. - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office 	sum	
4.0	ANY OTHER WORKS		
4.1	Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project. <p>Please specify below :- (Attached a separate sheet if space is in sufficient)</p> <p>a. _____</p> <p>b. _____</p> <p>c. _____</p>	sum sum sum	
	Total for Air Con Mechanical Ventilation Works		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
H	<p>ELECTRICAL WORKS</p> <p>GENERAL NOTES :</p> <p>To carry out Design & Built works as shown in the drawings and specifications to the satisfaction of the Employer and Consultant with reference to the following:-</p> <ul style="list-style-type: none"> - The electrical installation shall be in compliance with the current edition of Singapore standard CP 5: Code of Practice for Wiring of Electrical Equipment of Buildings. - All works must be carried out by a qualified licensed electrical worker in accordance and compliance with PUB, TAS, FSSD and all related code of practise. - The contractor shall be responsible for any PUB testing / calibration / licensing engineer's endorsement fees, etc required before the electrical installation is put into operation. All cost connected therewith shall be deemed to be included in the electrical contract. - The contractor shall notify PM of provision of any specifications of electrical works which is in conflict with code of practice, Local code will take precedence and all cost in relations shall deemed to be included. - All switches and sockets plate, etc. shall be "Legrand" or equivalent and prices shall include all associated items required in order to complete the works. - Locations of all luminaires, lighting switches, switch outlets etc, shown are for guidance only. Exact location of light fittings, switches and switch socket outlets, etc are to be determined and co-ordinated on site. - The existing trays, overhead trunking shall be re-used where ever feasible, new trays / trunkings where required but not indicated on the plans shall be deemed included. - All wiring shall be in GI conduit and casing. - Prices shall include for the contractor to co-ordinate with the telephone, computer cabling, security system vendor and others in order to complete the works. - The following description is as guide to Contractors only. All the M&E works shall be carried out in accordance to specifications and attached drawings. 		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
H	ELECTRICAL WORKS		
1.0	GENERAL		
1.1	Licensed Electrician submission, application, testing & co-ordination with relevant Authorities, including production of single line diagram, shop / as-built drawing. Cost to include fee for submission and cost of temporary electrical supply.	sum	
1.2	Modify existing Main Switch Board with circuit breakers and all other necessary accessories and ancillaries as required to cater for load of the respective Office, including installation of new private-meter for sub-distribution boards.	sum	
1.3	New Sub-Distribution board for lighting and power distribution with sub mains cable, circuit breakers, earth leakage circuit breakers and all necessary accessories and ancillaries, cable ladders, trunking and trays as required to cater for load of the respective areas as follows. <ul style="list-style-type: none"> - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room, Medical / Anti-Doping / Referee rm - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office 	sum	
1.4	Allow for testing, commissioning and project management of the system including co-ordination with relevant vendors.	sum	
1.5	Allow for Twelve (12) month warranty and including bi-monthly servicing and changing of spare parts.	sum	
2.0	LIGHTING PROVISION		
2.1	Supply and install lighting distribution c/w concealed sub-circuit wiring in conduit, switch plates, K.O box and all other ancillaries and accessories for the following areas; <u>Main Block Level 1 Right Wing, Executive office</u> <ul style="list-style-type: none"> * LED suspended tube fitting of various shapes and length. * LED tube fitting of standard length on false ceiling. * LED recessed downlight fittings. * LED canister downlight fittings - LED wall washer fittings with track * LED strip light for concealed pelmet in ceiling or furniture <u>Main Block Level 1, Left Wing - Ops Room, Medical / Anti-Doping / Referee Rm</u> <ul style="list-style-type: none"> * LED suspended tube fitting of various shapes and length. * LED recessed downlight fittings. * LED canister downlight fittings * LED strip light for concealed pelmet in ceiling or furniture 	sum	
		sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
H	ELECTRICAL WORKS		
	<u>Main Block Level 2, Right Wing - Marketing Office</u>	sum	
	* LED tube fitting of standard length on false ceiling.		
	* LED recessed downlight fittings.		
	* LED strip light for concealed pelmet in ceiling or furniture		
	<u>Main Block Level 2, Left Wing - Technical Office</u>	sum	
	* LED tube fitting of standard length on false ceiling.		
	* LED recessed downlight fittings.		
	* LED strip light for concealed pelmet in ceiling or furniture		
	<u>Annex Block Level 3 Gym / Seminar Rm</u>	sum	
* LED suspended tube fitting of various shapes and length.			
* LED tube fitting of standard length on false ceiling.			
* LED recessed downlight fittings.			
* LED canister downlight fittings			
* LED strip light for concealed pelmet in ceiling or furniture			
<u>Annex Block Level 4 Admin Office</u>	sum		
* LED tube fitting of standard length on false ceiling.			
* LED recessed downlight fittings.			
* LED canister downlight fittings			
* LED strip light for concealed pelmet in ceiling or furniture			
2.2	Supply and install emergency lighting distribution c/w concealed sub-circuit wiring in conduit and all other ancillaries and accessories for the following areas; - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room, Medical / Anti-Doping / Referee rm - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office	sum	
3.0	POWER PROVISION		
3.1	Supply and install power distribution c/w concealed sub-circuit wiring in conduit, switch plates, K.O box and all other accessories as indicated below; * 1x13amp Switch Socket Outlet (SSO) on wall / partition * 2x13amp Switch Socket Outlet on wall / partition * 1x13amp Switch Socket Outlet (SSO) above false ceiling * 2x13amp Switch Socket Outlet with concealed conduite on floor, 45deg KO box and plastic protective cover. * Power bar with 4 x 13amp SSO, 2 x USB, 1 x Cat 6 UTP network point for system furniture. * Conduit for Cat 6 utp network points. * 1x13amp Switch Socket Outlet for other services	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
<p>H</p> <p>ELECTRICAL WORKS</p> <p>- Main Block Level 1 Right Wing, Executive office</p> <p>- Main Block Level 1, Left Wing - Ops Room, Medical / Anti-Doping / Referee rm</p> <p>- Main Block Level 2, Right Wing - Marketing Office</p> <p>- Main Block Level 2, Left Wing - Technical Office</p> <p>- Annex Block Level 3, Gym and Seminar Rm</p> <p>- Annex Block Level 4, Admin Office</p> <p>3.2</p> <p>Supply and install additional power distribution (isolator) c/w concealed sub-circuit wiring in conduit, switch plates, K.O box and all other accessories for <u>air con equipments</u>;</p> <p>- Main Block Level 1 Right Wing, Executive office</p> <p>- Main Block Level 1, Left Wing - Ops Room, Medical / Anti-Doping / Referee rm</p> <p>- Main Block Level 2, Right Wing - Marketing Office</p> <p>- Main Block Level 2, Left Wing - Technical Office</p> <p>- Annex Block Level 3, Gym and Seminar Rm</p> <p>- Annex Block Level 4, Admin Office</p> <p>4.0</p> <p>ANY OTHER WORKS</p> <p>4.1</p> <p>Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project.</p> <p>Please specify below :- (Attached a separate sheet if space is in sufficient)</p> <p>a. _____</p> <p>b. _____</p> <p>c. _____</p>		<p>sum</p> <p>sum</p> <p>sum</p>	
	<p>Total for Electrical Works</p>		

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
I	MISCELLANEOUS		
1.0	STRUCTURED CABLE SOLUTION		
1.1	<p>Supply and install New Cat 6 utp structured cable for both voice & network c/w termination on faceplate on user end and patch panel on user rack end as per below scope of services for the respective offices (Minimum 25 years warranty to be provided for the cable solutions);</p> <ul style="list-style-type: none"> * Cat 6 utp points * Cat 6 utp patch cords, 2m on user end. * Cat 6 utp patch cords, 3m on rack end. * Cat 6 utp 24 port patch panels * Cat 6 utp cable management panels * Labour to patch, jumper network and IP phone lines c/w test report for cables. <ul style="list-style-type: none"> - Main Block Level 1 Right Wing, Executive office - Main Block Level 1, Left Wing - Ops Room, Medical / Anti-Doping / Referee rm - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office 	sum	
1.2	Supply and install new 42U rack of size 800w x 1000d with 2 unit of power bar, key lock and adjustable trays on rack for both existing Server rm and new Server Hub rm (2nos)	sum	
1.3	Supply labour, tools and material to reuse existing fiber optic cable from old rack to new rack at Annex Block Server hub Room including recycling of all existing cable accessories, testing and commissioning of cables.	sum	
1.4	Supply and install new rack to rack 8pairs of OM4 multimode fiber optic connecting cables within existing Main Block Server Room c/w rack accessories, testing and commissioning of cables.	sum	
1.5	Supply, labour, tools and material to project manage the entire project including temporary network points for swing area, test and commission the system and liaise with FAS IT dept for works to be carried out.	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
I	MISCELLANEOUS		
2.0	SECURITY CARD ACCESS SYSTEM		
2.1	<p>Supply and install New additional or labour, tools and material to relocate existing access control reader c/w compatible reader to existing system, em-lock, door contact, release button, emergency breakglass, other accessories, test, commissioned and programming of existing system to suit new office layout as follows;</p> <ul style="list-style-type: none"> - Main Block Level 1 Right Wing, Executive office * Relocate Reader for glass door, Lift Lobby to Reception. * New Reader for glass door, Exterior to Reception * New Reader for glass door, Reception to Tunnel * New Reader for glass door, Tunnel to VIP Lounge * New Reader for timber door, Ex. Int Lounge to Office * Relocate Reader for glass door, Reception to Office. * Relocate Reader for timber door, Tunnel to Office. <p style="text-align: right;">sum</p> <ul style="list-style-type: none"> - Main Block Level 1, Left Wing - Ops Room * New Reader for timber door, Staircase to Hallway * Relocate Reader for glass door, Hallway to Ops Rm * Relocate Reader for timber door, Tunnel to MC office <p style="text-align: right;">sum</p> <ul style="list-style-type: none"> - Main Block Level 2, Right Wing - Marketing Office * Relocate Reader for glass door, Corridor to Office * Relocate Reader for timber door, Corridor to Server rm <p style="text-align: right;">sum</p> <ul style="list-style-type: none"> - Main Block Level 2, Left Wing - Technical Office * Relocate Reader for glass door, Corridor to Office * Relocate Reader for glass door, Lift Lobby to Corridor <p style="text-align: right;">sum</p> <ul style="list-style-type: none"> - Annex Block Level 3, Gym and Seminar Rm * Relocate Reader for glass door, Corridor to Physio Rm * New Reader for glass door, Corridor to Office. * Relocate Reader for timber side door, Corridor to Gym * Relocate Reader for glass door, Corridor to Gym * Relocate Reader for timber rear door, Corridor to Gym * Relocate Reader for glass door, Corridor to Lounge. * Relocate Reader for glass door, Exit to Seminar Rm. <p style="text-align: right;">sum</p> <ul style="list-style-type: none"> - Annex Block Level 4, Admin Office * Relocate Reader for glass door, Corridor to Waiting Area * New Reader for timber door, Office to Server Hub rm * New Reader for timber door, Office to HC Filing Rm * New Reader for timber door, Office to Fin Compactus Rm * Relocate Reader for timber rear door, Corridor to Office <p style="text-align: right;">sum</p>	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
I	MISCELLANEOUS		
3.0	SECURITY CCTV SYSTEM		
3.1	<p>Supply and install new 32 channel CCTV system with NVR storage capacity of minimum 30days with 16frame per sec resolution c/w accessories and ancillaries, testing and commissioning of the whole system as follows;</p> <ul style="list-style-type: none"> - Main Block Level 1 Right Wing, Executive office * Camera at Reception pointing exterior entrance * Camera at Reception pointing Lift Lobby * Camera at Reception pointing Tunnel * Camera at Office pointing Reception / Ex Int Lounge * Camera at Office pointing Tunnel. - Main Block Level 1, Left Wing - Ops Room * Camera at Corridor pointing exit door * Camera at Ops Rm pointing Corridor / MC Room - Main Block Level 2, Right Wing - Marketing Office * Camera at Office pointing Entrance door * Camera at Server Rm pointing Corridor entrance door - Main Block Level 2, Left Wing - Technical Office * Camera at Office pointing Entrance door * Camera at Corriodr pointing Lift Lobby - Annex Block Level 3, Gym and Seminar Rm * Camera at Corridor pointing all entrances to gym 2nos * Camera at Office pointing Corridor * Camera at Gym pointing back door * Camera at Lounge pointing Corridor * Camera at Seminar Rm pointing Exit door. - Annex Block Level 4, Admin Office * Camera at Waiting Area pointing Entrance * Camera at Back door pointing Exit door * Camera at HC Filing rm pointing Entrance * Camera at Server Hub Rm pointing Entrance * Camera at Fin Compactus Rm pointing Entrance 	sum	
4.0	AUDIO VIDEO SYSTEM		
4.1	<p>Supply and install new 250mm ht LED Running Display c/w centralize control at Annex Blk Server Hub Rm ; signal link between Main & Annex Block, PC, all accessories, cabling, programming, test and commission as follows;</p> <ul style="list-style-type: none"> - Main Block Level 1 Right Wing, Executive office - Main Block Level 2, Right Wing - Marketing Office - Main Block Level 2, Left Wing - Technical Office - Annex Block Level 3, Gym and Seminar Rm - Annex Block Level 4, Admin Office 	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
I	MISCELLANEOUS		
4.2	<p>Supply and install new LED Smart TV of various size c/w wall or ceiling bracket, cabling with 1no HDMI point for connectivity per room, cabling for stadium life feed TV transmission, accessories and ancillaries, test and commission of the whole system as follows;</p> <ul style="list-style-type: none"> - Main Block Level 1 Right Wing, Executive office <ul style="list-style-type: none"> * 55" TV for Reception, VIP Lounge & Ex-Int. Lounge each * 40" TV for Breakout area & Exec.Lounge each. - Main Block Level 1, Left Wing - Ops Room <ul style="list-style-type: none"> * 65" multi-touch screen TV for Ops Rm * 22" multi-touch interactive TV for Internet kiosk, 4nos * 40" TV for Medical, Anti-Doping & Referee Rm each. - Main Block Level 2, Right Wing - Marketing Office <ul style="list-style-type: none"> * 55" TV for Pantry and meeting room each - Main Block Level 2, Left Wing - Technical Office <ul style="list-style-type: none"> * 55" TV for Pantry and meeting room each - Annex Block Level 3, Gym and Seminar Rm <ul style="list-style-type: none"> * 55" TV for Gym, 2nos - Annex Block Level 4, Admin Office <ul style="list-style-type: none"> * 55" TV for Meeting rm and Pantry, 3nos 	sum	
4.3	<p>Supply and install new <u>Board Room</u> Audio Video system c/w all cabling, intergration, programming, testing and commissioning as follows</p> <ul style="list-style-type: none"> * Ultra Short Throw Interactive Projector, 1set * 55" TV for side wall, 2sets * Ceiling Recessed Speaker / amplifier system, 1lot * Wireless microphone system, 1 set. * 8 zone lighting dimmer control system, 1lot * Matrix switcher to control Ultra short throw projector, TV monitor and sound input / output sources. * Room intergration system with 7" touch screen control , wall mounted switch. 	sum	
4.4	<p>Supply and install new <u>8pax Meeting Room</u> Audio Video system c/w all cabling, intergration, programming, testing and commissioning as follows</p> <ul style="list-style-type: none"> * 65" TV for side wall, 2sets * Ceiling Recessed Speaker / amplifier system, 1lot * 4 zone lighting dimmer control system, 1lot * Eagle eye video conferencing system. * Matrix switcher to control TV and sound input / output * Room intergration system with 7" touch screen control , wall mounted switch. 	sum	

PROPOSED ADDITIONS AND ALTERATIONS WORKS FOR OFFICE OF FOOTBALL ASSOCIATION OF SINGAPORE @ 100 TYRWHITT ROAD, JALAN BESAR STADIUM, SINGAPORE 207542

BILL NO. 2 - SCHEDULE OF CONSTRUCTION WORKS

ITEM	DESCRIPTION	UNIT	AMOUNT (S\$)
I	MISCELLANEOUS		
4.5	Supply and install new Seminar / Lounge Room Audio Video system c/w all cabling, intergration, programming, testing and commissioning as follows * Ultra Short Throw Interactive Projector, 1set * 55" TV for side wall, 3sets * Ceiling Recessed Speaker / amplifier system, 1lot * Wireless microphone system, 1 set. * 8 zone lighting dimmer control system, 1lot * Matrix switcher to control Projector, TV and sound input / output sources. * Room intergration system with 7" touch screen control , wall mounted switch.	sum	
5.0	ANY OTHER WORKS		
5.1	Contractor to price for all other and necessary works (that have been inadvertently left out in the above scope of works) which area deem necessary for the full and proper completion of the project. Please specify below :- (Attached a separate sheet if space is in sufficient)	sum	
	a. _____	sum	
	b. _____	sum	
	c. _____	sum	

	Total for Miscellaneous		