

Our Ref: NSK/SACMC/050422/3
Date: 05/04/2022

CADANGAN TAMBAHAN DAN PINDAAN KEPADA SEBUAH GEREJA DUA TINGKAT SEDIA ADA DAN SATU UNIT TEMPAT PEMBUANGAN SAMPAH DI NO. 7, PERSIARAN ANGGERIK VANILLA, SEKSYEN 31, 40460 SHAH ALAM, SELANGOR DARUL EHSAN			
Progress Claim No.3			
Code	Description	Contract Sum (RM)	Total Workdone (RM)
	Volume I of II		
	Bill No. 1 - Preliminaries	125,522.50	53,397.50
	Bill No. 2 - Specification and Preambles	-	
	Bill No. 3 - Temporary Work	33,660.00	33,660.00
	Bill No. 4 - Main Building Works	997,843.50	129,574.70
	Bill No. 5 - Temporary Toilet	36,081.50	32,081.50
	Bill No. 6 - External Works	114,492.50	-
	Bill No. 7 - Provisional Sum	150,000.00	-
	Bill No. 8 - Daywork Bill	-	
	Volume II of II		
	Mechanical & Electrical Work	222,400.00	15,700.00
		1,680,000.00	264,413.70
	Less: Retention (10%)		26,441.37
	Less: Previous Progress Payment Certificate		131,029.19
	This Claim Amount		106,943.14

Thank you.

Yours sincerely,
NSK CONSTRUCTION & ENGINEERING SDN. BHD.

(DIRECTOR)



SHAH ALAM CHINESE METHODIST CHURCH-RENOVATION WORKS
BILL NO. 1 - PRELIMINARIES

Item	Description	Contract Amount (RM)	Workdone(%)			Amount (RM)
			Previous	Current	To Date	
1/8	<u>THE SITE</u> Access to And Egress from The Site	8,000.00	25.00	12.50	37.50	3,000.00
1/21	<u>CONTRACT MANAGEMENT</u> Setting Out of the Works	3,000.00	100.00	-	-	3,000.00
1/22	Pre-Construction Survey / Dilapidation Survey	3,000.00	100.00	-	100.00	3,000.00
1/27	Site Agent	40,000.00	25.00	12.50	37.50	15,000.00
1/28	Drawings	4,000.00	-	-	-	-
1/38	<u>RESTRICTION AND REGULATIONS</u> Use of Public Road for Transport of Spoil	6,000.00	25.00	12.50	37.50	2,250.00
1/41	<u>TEMPORARY WORKS AND SERVICES</u> Site Security	10,000.00	25.00	12.50	37.50	3,750.00
1/41	Lighting and Power For The Works	4,000.00	25.00	12.50	37.50	1,500.00
1/41	Water For The Works	4,000.00	25.00	12.50	37.50	1,500.00
1/42	Temporary Warning Signs, Lamp and Guardrails	1,000.00	25.00	12.50	37.50	375.00
1/42	Safety Helmets	2,000.00	100.00	-	100.00	2,000.00
1/42	Wellington Boots, Safety Boots & Harness	2,000.00	100.00	-	100.00	2,000.00
1/43	Temporary Scaffolding For All Trades	10,000.00	-	-	-	-
1/45	Temporary Conveniences	4,000.00	25.00	12.50	37.50	1,500.00
1/46	Constructional Plant	8,000.00	25.00	12.50	37.50	3,000.00
1/47	<u>MAINTENANCE AND PROTECTION</u> Protection of the Property of Existing Building	8,000.00	25.00	12.50	37.50	3,000.00
1/47	Cleanliness Of The Site	8,000.00	25.00	12.50	37.50	3,000.00
1/65	<u>FORM OF CONTRACT</u> Contractor's All Risks Insurance	3,647.92	100.00	-	-	3,647.92
1/67	Employer's Liability and Workmens' Compensation Insurance	900.40	100.00	-	100.00	900.40
1/73	Performance Bond	1,874.18	100.00	-	100.00	1,874.18
1/74	Supplementary Clause - Construction Industry Development Board Malaysia (CIDB)	2,100.00	100.00	-	100.00	2,100.00
	TOTAL SUM	125,522.50				53,397.50



SHAH ALAM CHINESE METHODIST CHURCH-RENOVATION WORKS									
BILL NO. 3 - TEMPORARY WORK									
Item	Description	Unit	Qty	Rate (RM)	Contract Amount (RM)	Workdone(%)		To Date	Amount (RM)
						Previous	Current		
ELEMENT NO. 1 - TEMPORARY WORKS									
(ALL PROVISIONAL)									
Specification And General Labour Clauses:-									
For Description and Materials, Workmanship and General Labour Clauses applicable to this bill, see "Bill No. 2 - Specification & Preambles".									
Note:-									
1) The Contractor shall be deemed to have visited the site to determine the extent of works involved and shall take all necessary precaution while carrying out the works. No claim for extra payment in this respect will be entertained.									
2) The Contractor is to refer Architect / Engineer's drawings for the extent of the works, design and material specifications									
3) The Contractor shall allow for all costs including payment of all fees, charges for approval, permits and licenses from the relevant Authorities, if necessary									
4) The temporary work shall be constructed to the satisfaction of the Architect and Engineer and in compliance with the Authorities' requirements. In this regard, the Contractor shall not have any claim for extension of time for completion due to stoppage of work caused by Local Authorities concerned or the Engineer for contravention of regulations and/or By-Laws by the Contractor									
5) Unless otherwise stated, the measurement of the temporary works (i.e. project signboard, entrance gate, wash trough, interlocking entrance pavement, silt trap, sediment fence, earth drain, etc.) shall be as shown on the Architect / Engineer's drawings. Any additional required for his purpose of the works by the Contractor shall be carried out by the Contractor's own cost and not included in the measurement.									
6) The Contractor's pricing for this section of temporary works shall be for the construction only. All the maintenance, relocation, modification, making good throughout the construction period, demolishing and cart away from Site upon completion shall be priced separately under Bill No. 1 - Preliminaries.									
NEW TEMPORARY PROJECT SIGNBOARD									
3/2/A	Project signboard overall size 3260mm wide x 5400mm high constructed of 2 No. of 150mm x 150mm hardwood stud cast into and including concrete footing, 50mm x 75mm hardwood framing, 100mm x 50mm hardwood support, GI sheet all round on hardwood framing with project information, Majlis Perbandaran and Consultants details including white colour background, artwork and black colour letterings, all painting, cast into and including 450mm x 450mm x 750mm depth concrete footing, including all painting works, excavation, cart away debris off site, fixing accessories, etc., complete system all as per Architect Drawing No. Hoarding-02	NO.	1	5,000.00	5,000.00	100.00		100.00	5,000.00
NEW HOARDING AND ENTRANCE GATE									
3/2/B	Supply and install 3600mm high temporary hoarding constructed of 0.38mm thick metal decking, 125mm x 125mm hardwood post at 2500mm spacing cast into and including concrete footing, 4 rows 100mm x 50mm hardwood rodding, 50mm x 50mm hardwood support at 2500mm spacing, including additional 125mm x 125mm thick hardwood support and 50mm x 50mm hardwood strut to both end of entrance gate and footing, painting works, excavation, cart away debris off site, fixing accessories, etc.; complete system all as per Architect Drawing No. Hoarding-02	M	81	180.00	14,580.00	100.00		100.00	14,580.00
3/2/C	Entrance gate overall size 6100mm x 3600mm high in 2 equal panel complete with 1.0mm thick metal deck supported on hardwood frame and printed on both sides, hardwood strut planted into concrete footing at 2400mm spacing, mild steel framing, 100mm x 50mm hardwood support and bracing, including all painting works, excavation, cart away debris off site, fixing accessories, etc.; complete system all as per Architect Drawing No. Hoarding-04	NO.	1	5,000.00	5,000.00	100.00		100.00	5,000.00
3/2/D	PLYWOOD PARTITION Plywood approximately 4500mm high as partition between site working area and non-working area including all necessary support and fixing accessories, etc complete system (Community Hall 1) as indicated in Architect's Drawing No. Hoarding-01	M	9	120.00	1,080.00	100.00		100.00	1,080.00
3/3/A	SITE CABIN Supply and install overall size 6000mm x 3050mm high temporary site cabin complete with concrete base, 50mm x 74mm hardwood timber at 400mm internal overlay with WBP heavy duty plywood finish with high grade linoleum, natural anodised aluminium frame adjustable glass louvers window, timber frame plywood flush door, etc complete system all as per Architect Drawing No. Hoarding-03	NO.	1	8,000.00	8,000.00	100.00		100.00	8,000.00
ELEMENT NO. 1 - TEMPORARY WORKS					33,660.00				33,660.00



SHAH ALAM CHINESE METHODIST CHURCH-RENOVATION WORKS
BILL NO. 4 - MAIN BUILDING WORKS

Item	Description	Unit	Qty	Rate (RM)	Contract Amount (RM)	Workdone(%)		Amount (RM)
						Previous	Current	
	ELEMENT NO. 1 - DEMOLITION WORKS [ALL PROVISIONAL] Specification And General Labour Clauses:- <i>For Description and Materials, Workmanship and General Labour Clauses applicable to this bill, see "Bill No. 2 - Specification & Preambles".</i> Note:- a) The rate / price for demolition and hacking works shall be inclusive of the following:- i) Removal of debris to Contractor's own dump site ii) All precaution and protection works iii) All safety measures and temporary support b) Contractor to provide clear marking on site of all items required for demolition as indicated in the drawings for confirmation by S.O. prior to commencement of demolition works c) All dimensions provided in the drawings and bills of quantities are indicative only. Contractor is required to visit the Site to determine the exact extend of the work. In this respect, Contractor is not entitled to claim for extra cost or time whatsoever DEMOLITION WORK To hack and demolish existing metal deck roofing system including metal deck roof, roof trusses, roof beam, rainwater discharge system, etc (gridline B1-E1/6-8, approximately 99m2) (Metal deck roofing system to be dismantled and stored to reuse for new temporary toilet) To demolish existing ceiling including all light trough, light box, box up, support framing, suspension system, etc. (gridline B2-E1/5-7a, approximately 101m2) To hack concrete and cut off steel links of existing column and expose reinforcement main bar of existing column all as per Engineer's Drawing No. TDC/H/7463/COL/02/REV.0 (5 No.) To hack and demolish existing wall, coping, wall finishes, door, window, glass panel and railing (approximately 377m2) (2 no. of timber doors and 5 no. of PVC doors to be dismantled and stored to reuse for new temporary toilet) To hack and demolish existing floor slab including ground beam (approximately 98m2 as indicated in Engineer's Drawing No. TDC/H/7463/GF/REV.0) To hack and demolish existing floor slab (first floor) including beam (approximately 22m2) To hack and demolish existing floor tiles including screeded bed (approximately 111m2) To dismantle all existing sanitary wares and fittings including water closet, urinal bowl, hand bidet, toilet roll holder, basin tap, etc. (5 no. of water closet, 2 no. of urinal bowl, 5 no. of hand bidet, 5 no. of toilet roll holder and 3 no. of basin tap to be dismantled and stored to reuse for new temporary toilet) To hack and demolish existing vanity counter top including structure (approximately 23m) To dismantle existing facade signage (gridline D-F1/5, 2 No.) To hack and demolish existing Staircase 3 and existing pump room including landing slab, railing, wall, etc (gridline E1-G/5-7) MAKING GOOD EXISTING To reinstaate ground slab and ground beam to match back existing including laying damp proof membrane, additional reinforcement, casting back concrete, etc. all as per Engineer's details and Drawing No. TDC/H/7463/GF/REV.0 (approximately 98m2) Approved chemical treatment against termite infestation as described all as per Manufacturer's instruction and approved by Pesticides Board of Malaysia to ground slab of new extension church building Any Other Works Any other items of works not specifically mentioned above but is shown on drawings or specification, or are required to be carried out for completion of the Works to the approval of the Architect and the authorities (Please specify):-	Item						
4/11/A		Item			9,000.00	90.00	10.00	9,000.00
4/11/B		Item			1,500.00	90.00	10.00	1,500.00
4/11/C		Item			3,000.00	90.00	10.00	3,000.00
4/11/D		Item			12,000.00	90.00	10.00	12,000.00
4/11/E		Item			9,000.00	90.00	10.00	9,000.00
4/12/A		Item			3,000.00	90.00	10.00	3,000.00
4/12/B		Item			2,000.00	90.00	10.00	2,000.00
4/12/C		Item			1,000.00	90.00	10.00	1,000.00
4/12/D		Item			600.00	90.00	10.00	600.00
4/12/E		Item			400.00	90.00	10.00	400.00
4/12/F		Item			8,000.00	90.00	10.00	8,000.00
4/12/G		Item			23,000.00		100.00	23,000.00
4/12/H		Item			3,000.00		100.00	3,000.00
4/12/J		Item						





4/2/2/M	Ground beam 6mm Diameter rod as links and stirrups High tensile steel rod reinforcement as described in:-	KG	3	5.50	16.50	100.00	100.00	16.50
4/2/2/N	Pad footing 16mm Diameter rod	KG	679	5.50	3,734.50	100.00	100.00	3,734.50
4/2/2/P	12mm Diameter rod	KG	382	5.50	2,101.00	100.00	100.00	2,101.00
4/2/2/Q	Column stump 25mm Diameter rod	KG	48	5.50	264.00	100.00	100.00	264.00
4/2/2/R	20mm Diameter rod	KG	56	5.50	308.00	100.00	100.00	308.00
4/2/3/A	16mm Diameter rod	KG	100	5.50	550.00	100.00	100.00	550.00
4/2/3/B	12mm Diameter rod	KG	35	5.50	192.50	100.00	100.00	192.50
4/2/3/C	10mm Diameter rod	KG	72	5.50	396.00	100.00	100.00	396.00
4/2/3/D	Ground beam 16mm Diameter rod	KG	10	5.50	55.00	100.00	100.00	55.00
4/2/3/E	12mm Diameter rod	KG	6	5.50	33.00	100.00	100.00	33.00
4/2/3/F	Non-suspended ground slab 16mm Diameter rod	KG	174	5.50	957.00	100.00	100.00	957.00
4/2/3/G	10mm Diameter rod	KG	129	5.50	709.50	100.00	100.00	709.50
4/2/3/H	Mesh fabric reinforcement cut to size:- Non-suspended ground slab B.R.C. No. A10 (6.16Kg/m2) mesh fabric reinforcement laid in position with side and end laps (measured nett: no allowance made for laps)	M2	36	50.00	1,800.00	100.00	100.00	1,800.00
4/2/3/J	FORMWORK Use and waste of sawn formwork as described:- To sides of pad footing	M2	22	63.00	1,386.00	100.00	100.00	1,386.00
4/2/3/K	To sides of column stump	M2	7	63.00	441.00	100.00	100.00	441.00
4/2/3/L	To sides of ground beam	M2	2	63.00	126.00	100.00	100.00	126.00
4/2/3/M	To edge of concrete exceeding 250mm high but not exceeding 500mm high	M	10	27.00	270.00	100.00	100.00	270.00
4/2/3/N	To edge of concrete exceeding 500mm high but not exceeding 1000mm high	M	6	50.00	300.00	100.00	100.00	300.00
4/2/3/P	DAMP PROOF MEMBRANE 0.25mm polythene membrane sheet laid on sand bedding beneath bed including working around thickening all as per Manufacturer's instruction and Engineer's approval (measured nett - no allowance made for laps) To soffit of non-suspended ground slab and thickening	M2	17	5.00	85.00	100.00	100.00	85.00
4/2/4/A	TERMITE TREATMENT Note:- 1) The Contractor and termite treatment applicator shall jointly provide a three (3) year warranty in favour of the Employer or any other parties assigned by the Employer commencing from the Date of Certificate of Practical Completion of Main Contract Approved chemical treatment against termite infestation as described all as per Manufacturer's instruction and approved by Pesticides Board of Malaysia To soffit of non-suspended ground slab and thickening	M2	17	50.00	850.00	100.00	100.00	850.00
4/2/4/B	TESTING Provision of testing equipment, plant, apparatus, tools and ancillaries including mobilisation, demobilisation, moving within the site, etc. to carry out the following test including submission of report and reinstatement, etc.; all as per the Engineer's approval:- (Location to be decided by Engineer) Mackintosh probe test	NO.	11	200.00	2,200.00	100.00	100.00	2,200.00
	TOTAL ELEMENT NO. 2 - WORK BELOW LOWEST FLOOR LEVEL				30,051.00			26,645.00



4/4/1/A	Reinforced vibrated precast concrete Grade 25 including all moulds, hoisting and settings in cement mortar (1:3) Lintel overall size 125mm wide x 200mm deep reinforced with and including 4 nos. of 10mm diameter high tensile rod as top and bottom bars and 6mm diameter mild steel rod as links and stirrups at 100mm centres as per Engineer's Drawing no. TDC/H/7463/GN/01/REV.0					M	11	100.00	1,100.00
4/4/1/B	CONCRETE Quality control reinforced vibrated concrete Grade 30:-					M2	65	80.00	5,200.00
4/4/1/C	200mm Fin wall					M3	1	400.00	400.00
4/4/1/D	Stiffener					M3	3	400.00	1,200.00
	REINFORCEMENT Mild steel rod reinforcement as described in:-								
4/4/1/E	Stiffener					KG	24	5.50	132.00
	8mm Diameter rod as links and stirrups								
4/4/1/F	Coping and lintel					KG	114	5.50	627.00
	6mm Diameter rod as links and stirrups								
4/4/1/G	High tensile steel rod reinforcement as described in:-								
4/4/1/H	Fin wall					KG	212	5.50	1,166.00
	12mm Diameter rod					KG	604	5.50	3,322.00
4/4/1/I	Stiffener					KG	77	5.50	423.50
	10mm Diameter rod								
4/4/1/J	Coping and lintel					KG	24	5.50	132.00
4/4/1/K	16mm Diameter rod					KG	79	5.50	434.50
4/4/1/L	12mm Diameter rod					KG	150	5.50	825.00
4/4/1/M	10mm Diameter rod								
	Mesh fabric reinforcement cut to size:-								
4/4/1/N	Fin Wall					M2	147	40.00	5,880.00
	B.R.C. No. A9 (4.99Kg/m2) mesh fabric reinforcement laid in position with side and end laps (measured nett - no allowance made for laps)								
	FORMWORK Use and waste of sawn formwork as described:-								
4/4/2/A	To sides of fin wall					M2	107	63.00	6,741.00
4/4/2/B	To sides of fin wall, sloping over 15 degree from horizontal					M2	25	63.00	1,575.00
4/4/2/C	To sides of stiffener					M2	2	63.00	126.00
4/4/2/D	To sides of coping and lintel					M2	41	63.00	2,583.00
	BRICKWORK Note:- 1) The rate for brickwall shall be deemed to inclusive of the following:- a) Bonding tie and brick reinforcement b) Damp-proof course and grout infill c) All other items as described in the preamble of brickwork								
4/4/2/E	Clay brick as described bedded in cement mortar (1:3) with plasticiser:- Half brickwall (115mm thick) reinforced with and including a layer of Exmet 65mm wide at every forth course					M2	203	60.00	12,180.00
	FACADE SIGNAGE Note:- 1) The rate for signage shall be deemed to inclusive of the following:- a) All necessary fixing accessories								



4/5/2/A	Clay brick as described bedded in cement mortar (1:3) with plasticiser:- Half brick wall (115mm thick) reinforced with and including a layer of Exmet 65mm wide at every fourth course	M2	308	60.00	18,480.00				
4/5/2/B	Half brick wall (115mm thick) as low wall	M2	8	60.00	480.00				
	DRY WALL PARTITION								
	Note:- 1) Unless otherwise measured separately, the rates for dry wall partition shall held to include:- a) Framing, jointing, additional treatment to edges and ends, all fixing accessories, etc. complete system all to manufacturer's instruction b) Working around and forming opening for mechanical and electrical services or any other opening, etc. c) Provision of temporary scaffolding required for the works d) Wall preparatory works prior to wall panelling installation Dry wall partition fixed with and including steel stud framing, countersunk/self-drilling screws, noggings, furring channel, touch up joint, additional framing and boarding for forming opening for door/window, surface preparation to receive painting (measured separately) strictly in accordance with manufacturer's instruction:- 101mm Dry wall partition (approximately) clad both sides with 12.5mm thick "USG Boral Standard Core" or other approved equivalent plasterboard; internally 76.5mm Dry wall partition (approximately) clad one side with 12.5mm thick "USG Boral Standard Core" or other approved equivalent plasterboard; internally as box-up (Dry Area) 77.2mm Dry wall partition (approximately) clad one side with 12.7mm thick "USG Boral SecureRock Glass-Mat Sheathing" or other approved equivalent plasterboard; internally as box-up (Wet Area)	M2	63	100.00	6,300.00				
4/5/2/D		M2	6	90.00	540.00				
4/5/2/E		M2	3	90.00	270.00				
	TOTAL ELEMENT NO. 5 - INTERNAL WALL AND PARTITION				31,217.50				
	ELEMENT NO. 6 - STAIRCASE, STEPS AND FINISHES (ALL PROVISIONAL)								
	CONCRETE								
	Quality control reinforced vibrated concrete Grade 30:-								
4/6/1/A	Landing beam	M3	1	400.00	400.00				
4/6/1/B	Suspended staircase	M3	10	400.00	4,000.00				
4/6/1/C	175mm Landing slab	M2	19	70.00	1,330.00				
	REINFORCEMENT								
	Mild steel rod reinforcement as described in:-								
	Landing beam								
4/6/1/D	6mm Diameter rod as links and stirrups	KG	9	5.50	49.50				
	High tensile steel rod reinforcement as described in:-								
	Landing beam								
4/6/1/E	20mm Diameter rod	KG	30	5.50	165.00				
4/6/1/F	16mm Diameter rod	KG	21	5.50	115.50				
4/6/1/G	12mm Diameter rod	KG	24	5.50	132.00				
4/6/1/H	10mm Diameter rod	KG	15	5.50	82.50				
	Steps, suspended staircase and landing slab								
4/6/1/I	16mm Diameter rod	KG	2,463	5.50	13,546.50				
4/6/1/K	10mm Diameter rod	KG	428	5.50	2,354.00				
	FORMWORK								
	Use and waste of sawn formwork as described:-								
4/6/1/L	To sides and soffit of landing beam	M2	10	63.00	630.00				



4/6/1/M	To soffit of sloping suspended staircase, irrespective of strutting height	M2	44	63.00	2,772.00
4/6/1/N	To soffit of landing slab	M2	17	63.00	1,071.00
4/6/1/P	To edge of suspended staircase with 300mm tread, exceeding 100mm but not exceeding 200mm riser and 150mm waist including cutting to profile of tread and riser	M	53	20.00	1,060.00
4/6/1/Q	To undercut riser exceeding 100mm but not exceeding 200mm high	M	128	20.00	2,560.00
4/6/1/R	To edge of concrete not exceeding 250mm high	M	17	20.00	340.00
PLANTING BAR					
4/6/2/A	To provide labour, tools and material to drilling holes and to install rebar with Hilti RE500 V3 epoxy for the following:- 10mm Diameter reinforcement bar (measured separately) embedded approximately 150mm length into existing concrete structure	NO.	24	50.00	1,200.00
STAIRCASE FINISHES					
PAVING					
4/6/2/B	Cement and sand (1:3) finished with a steel/ wood trowel to smooth/ semi-smooth/ wet polished finish, including falls and crossfalls:-	M2	9	40.00	360.00
4/6/2/C	25mm (min) Paving, including to fall and crossfall (Staircase 1)	M	53	40.00	2,120.00
4/6/2/D	25mm (min) Finish to 300mm wide tread	M	58	40.00	2,320.00
4/6/2/E	Extra over to form nosing groove all as per Architect's Drawing No. ST1(DE)-04	M	58	40.00	2,320.00
4/6/2/F	13mm (min) Finish to undercut riser exceeding 100mm and not exceeding 200mm high	M	58	40.00	2,320.00
PLASTERWORK					
Note:-					
1) The rate for plasterworks shall be inclusive of PVC angle beads for all corners					
Approved ready-mixed cement based plaster skim coat applied internally including all surface preparation work all in accordance with manufacturer's instruction:-					
4/6/2/G	10mm (min) Plaster to concrete sides and soffit, externally	M2	5	40.00	200.00
4/6/2/H	10mm (min) Plaster to sloping concrete soffit, externally	M2	19	40.00	760.00
4/6/2/I	10mm (min) Plaster to edge of concrete including working to profile of tread and riser overall width exceeding 300mm and not exceeding 400mm high	M	21	20.00	420.00
4/6/2/J	3mm (min) Plaster to concrete sides and soffit	M2	9	15.00	135.00
4/6/2/K	3mm (min) Plaster to sloping concrete soffit	M2	17	15.00	255.00
4/6/2/L	3mm (min) Plaster to edge of concrete including working to profile of tread and riser overall width exceeding 300mm and not exceeding 400mm high	M	14	10.00	140.00
STAIRCASE TILES					
Note:-					
1) The Contractor shall breakdown his prices in the boxes provided					
2) Adjustment will be made to the rate accordingly based on the actual cost except the Adhesive and grout (Item c), Scream (Item d) and Labour & Other Cost All Inclusive (Item e) should other tile be used					
3) The Contractor is required to submit tiles setting out shop drawing for approval prior commencement of works					
4) The rate for floor tile shall inclusive of-					
a) Screeded bed to concrete floor and steps					
b) Laying tile to fall and crossfall					
c) Tile spacer for forming gap between tile					
d) Tile edge to be chamfered					
e) Working around electrical & telephone junction box, floor trap & pipe inlet / outlet including cutting, fitting in and lay matching tiles					
Supply and lay various floor tile finishes, in types, quality, colours, patterns; selection by the Architect					
600mm x 600mm "MML Belluci SM8K4D" or other approved equivalent porcelain homogeneous tiles, bedded in tile adhesive, jointed and pointed in matching colour tile grout including cement and sand (1:3) screeded bed all in accordance to the Manufacturer's instruction and Architect's drawings and approval					



4/6/4/A	Paving to landing slab (Staircase 2 and Staircase 3)	M2	9				170.00	1,530.00	
4/6/4/B	Finish to 300mm wide tread	M	64				60.00	3,840.00	
4/6/4/C	Extra over for 75mm wide non-slip nosing tiles with ribbed surface and rounded front edge all to the Architect's approval	M	70				30.00	2,100.00	
4/6/4/D	Finish to undercut riser exceeding 100mm but not exceeding 200mm high	M	70				45.00	3,150.00	
4/6/4/E	Finish to skirting 100mm high	M	34				30.00	1,020.00	
METALWORK									
Note:-									
1) The Contractor is to submit shop drawing on mild steel works for approval prior commencement of works									
2) Unless otherwise measured separately, the rates of metal works shall include the cost for all necessary stiffener and connection plates, bolt and nuts, welded joints etc.									
<u>Mild steel works including all framing, bracket, support, fixing accessories, all cut, welded and framed together and fixing in position including all shop and site connection and filling smooth welded junction and painted metal surfaces with one coat of approved primer, etc.:- complete system all as per Manufacturer's instruction</u>									
<u>Mild steel perforated railing constructed of 50mm x 25mm rectangular hollow section as handrail and bottom rail, 50mm x 25mm rectangular hollow section as balustrade complete with mild steel perforated sheet, 120mm x 120mm x 5mm thick base plate, etc. including all fixing accessories as per Architect's Drawing No. ST1(DE)-03-04</u>									
4/6/5/A	To Staircase 1; overall 1050mm high	M	35				250.00	8,750.00	
<u>Mild steel railing constructed of 50mm x 25mm rectangular hollow section as handrail and bottom rail, 50mm x 25mm rectangular hollow section as baluster and balustrade, 120mm x 120mm x 5mm thick base plate, etc including all fixing accessories as per Architect's Drawing No. ST2(DE)-03</u>									
4/6/5/B	To Staircase 2 and Staircase 3; overall 1050mm high	M	24				250.00	6,000.00	
								67,228.00	
TOTAL ELEMENT NO. 6 - STAIRCASE, STEPS AND FINISHES									
ELEMENT NO. 7 - UPPER FLOOR CONSTRUCTION									
(ALL PROVISIONAL)									
CONCRETE WORK									
CONCRETE									
<u>Quality control reinforced vibrated concrete Grade 30:-</u>									
4/7/1/A	230mm Suspended slab	M2	45				92.00	4,140.00	
4/7/1/B	175mm Suspended slab	M2	46				70.00	3,220.00	
4/7/1/C	125mm Suspended slab	M2	215				50.00	10,750.00	
4/7/1/D	50mm Ramp slab	M2	1				20.00	20.00	
4/7/1/E	125mm wide x 150mm high concrete kerb including all necessary formwork as per Engineer's Drawing No. TDC/H/7463/2B/REV.0 and TDC/H/7463/3B/REV.0 (Reinforcement measured separately)	M	63				50.00	3,150.00	
REINFORCEMENT									
<u>Mild steel rod reinforcement as described in:-</u>									
<u>Suspended slab</u>									
4/7/1/F	6mm Diameter rod as links and stirrups	KG	29				5.50	159.50	
<u>Kerb</u>									
4/7/1/G	6mm Diameter rod as links and stirrups	KG	54				5.50	297.00	
<u>High tensile steel rod reinforcement as described in:-</u>									
<u>Suspended slab</u>									
4/7/1/H	12mm Diameter rod	KG	89				5.50	489.50	



4/7/1J	10mm Diameter rod	KG	1,114	5.50	6,127.00			
4/7/1K	Kerb 10mm Diameter rod	KG	102	5.50	561.00			
	Mesh fabric reinforcement cut to size:-							
	Suspended slab B.R.C. No. A9 (4.99Kg/m2) mesh fabric reinforcement laid in position with side and end laps (measured nett - no allowance made for laps)	M2	59	40.00	2,360.00			
4/7/1L	B.R.C. No. A8 (3.95Kg/m2); ditto	M2	315	30.00	9,450.00			
4/7/1M	B.R.C. No. A7 (3.02Kg/m2); do.	M2	75	20.00	1,500.00			
	FORMWORK							
	Use and waste of sawn formwork as described:-							
4/7/1P	To soffit of suspended slab	M2	205	63.00	12,915.00			
4/7/1Q	To soffit of suspended slab, exceeding 3.50m high but not exceeding 5.00m high	M2	55	70.00	3,850.00			
4/7/2A	To edge of concrete not exceeding 250mm high	M	63	20.00	1,260.00			
	TOTAL ELEMENT NO. 7 - UPPER FLOOR CONSTRUCTION				60,249.00			
	ELEMENT NO. 8 - ROOF (ALL PROVISIONAL)							
	STRUCTURAL WORKS							
	Note:- 1) Unless otherwise measured separately, the rates of structural steel items shall include the cost for all necessary stiffener and connection plates, bolt and nuts, welded joints etc. 2) Shop drawing is required to be submitted for approval prior commencement of works including PE endorsement as specified The following structural steel works all fabricated, cutting, framed together, welding, bolting, drilling, hoisting, shop and site connection, filling smooth welding junction, including shop primed with an approved primer, all fixing accessories and etc.; complete system fixed to concrete beam all as per Manufacturer's instruction and Engineer's drawings and approval:- The following in Purlin 127mm x 51mm x 1.6mm Thick x 3.2kg/m C-section (RHS) as purlin (in No. 12)							
4/8/1A	ROOFING Note:- 1) All the roof works shall carried a ten (10) years Contractor and roof fabricator joint warranty throughout the warranty period 2) The warranty shall also cover the following:- a) 25 years against perforation by corrosion b) 15 years against flake and peel c) 10 years against excessive colour fading d) 5 years against discoloration by dirt staining 3) Shop drawing is required to be submitted for approval prior commencement of works including PE endorsement as specified "SANKO GRIP DECK 3 PAN" 0.42mm BST (0.47mm TCT) in clean colorbond XRW steel (AZ150) metal roof covering or other approved equivalent including AS 3566 Class 3 fastener, all fixing accessories, etc.; complete system (measured separately) and laid strictly as per Manufacturer's instruction and Architects's approval and drawings Laid to fall to 2 degree pitch fixed to purlin (measured nett - no allowance made for laps) Laid to fall to 8 degree pitch fixed to purlin (measured nett - no allowance made for laps) Gutter flashing approximately overall 780mm girth	M	168	65.00	10,920.00			
4/8/2A		M2	131	80.00	10,480.00			
4/8/2B		M2	14	80.00	1,120.00			
4/8/2C		M	22	80.00	1,760.00			

4/8/2/D	Flashing approximately overall 450mm girth	M	42	40.00	1,680.00				
4/8/2/E	Metal fascia approximately overall 820mm girth	M	7	70.00	490.00				
4/8/2/F	<u>INSULATION</u> Approved single sided woven foil (measured nett - no allowance made for laps)	M2	145	10.00	1,450.00				
4/8/2/G	Approved 50mm thick poly fibreglass wool as described of weight 18kg/m3 laid on and including one layer of galvanised chicken wire mesh (measured nett - no allowance made for laps)	M2	145	20.00	2,900.00				
4/8/2/H	<u>GUTTER</u> Approved galvanised iron gutter complete with bracket, joint, end stopper, outlet piece, all fixing accessories and etc.; complete system fixed to concrete beam (measured separately) all as per Manufacturer's instruction and Architect's approval	M	22	200.00	4,400.00				
4/8/2/J	<u>PLUMBING</u> Approved Unplasticized Polyvinyl Chloride (uPVC) rainwater downpipes, fittings and accessories including all sleeves, bends, junction, joints, holder bats, brackets, jointing to outlets and etc.; complete system fixed strictly in accordance with Manufacturer's instruction and Architect's approval	M	37	60.00	2,220.00				
4/8/2/K	100mm Diameter pipe; fixed to wall and column 100mm Diameter pipe; laid in trench including excavation and necessary bedding, connecting to nearest drain, etc. complete system	M	5	100.00	500.00				
4/8/3/A	<u>SUNDRIES</u> Approved uPVC dome outlet to suit 100mm diameter rainwater downpipes (measured separately)	NO.	3	30.00	90.00				
	TOTAL ELEMENT NO. 8 - ROOF				38,010.00				
	ELEMENT NO. 9 - ALUMINIUM AND GLAZING WORKS (ALL PROVISIONAL) Note:- 1) The Contractor shall price and submit breakdown prices for each item as described in the Bills of Materials 2) The prices for the aluminium and glazing works shall include the establishment charges and overheads, import duty and taxes, profit and any other expenses and everything else necessary for the proper completion of the works and conforming to the foregoing preliminaries and performance specification 3) The Contractor is to submit shop drawing, engineering data and structural calculation endorsed by Professional Engineer on aluminium and glazing works for approval prior commencement of works 4) The Contractor and Aluminium and glazing work sub-contractor shall jointly provide the following warranty in favour of the Employer or any other parties assigned by the Employer commencing from the Date of Certificate of Practical Completion of Main Contract a) Against colour fading in aluminium for ten (10) years b) Structural design for ten (10) years c) Workmanship for ten (10) years d) Gasket / Weather strip for ten (10) years e) Silicone for ten (10) years f) Friction stay for five (5) years g) Accessories as per Defect Liability Period								
	ALUMINIUM FRAMED CASEMENT WINDOW AND FIXED PANEL								





4/10/14/B	Design, supply and install the following powder coated aluminium louvre complete with support framing, sub-framing, bracket, aluminium capping, ironmongeries system including all fixing accessories, etc.; complete system, fixed complete in position all as per Architect's approval and Manufacturer's instruction D7 - Double leaf aluminium louvers swing door overall size 1500mm wide x 1425mm high as per Architect's Drawing No. DR(SCH)-02 (Pump Room)	NO.	1	1,050.00	1,050.00				
	TOTAL ELEMENT NO. 9 - ALUMINIUM AND GLAZING WORKS			30,620.00					
	ELEMENT NO. 10 - DOORS (ALL PROVISIONAL) CARPENTRY AND JOINERY								
	Note: 1) The Contractor is to submit shop drawing on joinery works for approval prior commencement of works								
	Approved 40mm thick hollow core timber flush door complete with 4.6mm thick plywood on both sides complete with edging with timber lipping all around all as per Manufacturer's instruction and Architect's Drawing No. TYP(DE)-01. :- (Butt hinges measured separately):-								
4/10/1/A	D1 - Double leaves door overall size 1800mm wide x 2400mm high as per Architect's Drawing No. DR(SCH)-01 (Meeting Space)	NO.	2	450.00	900.00				
4/10/1/B	D2 - Single leaf door overall size 1000mm wide x 2400mm high as per Architect's Drawing No. DR(SCH)-01 (Pantry, Care Taker, Event Room, Library, Prayer Room and Counseling Room)	NO.	10	235.00	2,350.00				
4/10/1/C	D6 - Single leaf door overall size 1200mm wide x 2400mm high as per Architect's Drawing No. DR(SCH)-02 (Corridor)	NO.	1	250.00	250.00				
	Approved 40mm thick hollow core timber flush door complete with 4.6mm thick plywood on one side and 4.6mm thick WBP plywood on another side complete with edging with timber lipping all around all as per Manufacturer's instruction and Architect's Drawing No. TYP(DE)-01:- (Butt hinges measured separately):-								
4/10/1/D	D3 - Single leaf door overall size 800mm wide x 2400mm high as per Architect's Drawing No. DR(SCH)-01 (Toilet 1 and Toilet 2)	NO.	4	240.00	960.00				
4/10/1/E	D5 - Single leaf door overall size 1000mm wide x 2400mm high as per Architect's Drawing No. DR(SCH)-02 (Disabled Toilet, Female Toilet and Male Toilet)	NO.	3	240.00	720.00				
	FIRE-RATED DOOR								
	Note:- 1) The fire rated door with the following:- a) Valid certificate of approval from Jabatan Bomba complete with attachment of ironmongery details tested with fire resistant doorset b) Comply with the requirements of the JBPM, MS 1073 and SS 332 and any additional requirements of other statutory authorities having jurisdiction over the works c) Product certification licence from Sirm QAS and summary test report from the Fire Engineering Test Section, Sirm QAS International Bhd, catalogue of all ironmongeries that are tested with the fire resistant doorset d) Installed by the accredited and approved installer from the fire resistant doorset manufacturer 2) The Contractor shall ensure that the product warranty for a period of two (2) years for ironmongeries shall be issued by the product manufacturer directly to the Employer. Approved fire rated metal frame solid core timber door including ironmongeries, etc., complete system all as per manufacturer's instruction, Jabatan Bomba and authorities' requirement								
4/10/2/A	FD1 - Single leaf one hour fire rated door overall size 1000mm wide x 2400mm high; fixed to 100mm brickwall as per Architect's Drawing No. DR(SCH)-02 (Staircase 1 and Staircase 2)	NO.	6	1,200.00	7,200.00				
4/10/2/B	Extra over for master key system	NO.	6	100.00	600.00				
	FRAME AND FINISHINGS Approved sawn pressure treated Grade "B" timber:- 130mm x 12mm as packing piece as per Architect's Drawing No. TYP(DE)-01	M	117	30.00	3,510.00				



4/10/2/D	Approved wrot pressure treated Grade "B" timber:- 50mm x 10mm thick decorative architrave as per Architect's Drawing No. TYP(DE)-01	M	234	20.00	4,680.00				
4/10/2/E	Approved wrot pressure treated Grade "A" hardwood timber:- 150mm x 50mm Frame with 15mm rebate as per Architect's Drawing No. TYP(DE)-01	M	117	50.00	5,850.00				
	PHENOLIC DOOR Approved 12mm thick finished high pressure laminated phenolic board with melamine resin on impregnated decorative paper on both sides, support, locksets with indicator, coat hook with rubber bumpers, hinges, all fixing accessories, etc., complete system: all to the Manufacturer's instruction and Architect's Drawing No. FT(DE)-03 and MT(DE)-03:-								
4/10/3/A	Overall size 750mm wide x 2100mm high (Female Toilet and Male Toilet)	NO.	6	600.00	3,600.00				
	TOTAL ELEMENT NO. 10 - DOORS				30,620.00				
	ELEMENT NO. 11 - IRONMONGERIES (ALL PROVISIONAL) Note:- 1) The Contractor shall breakdown his prices in the boxes provided 2) The rate of ironmongery shall be inclusive of all fixing accessories 3) Adjustment will be made to the rate accordingly based on the actual cost except the fixing cost (i.e. Item b)								
4/11/1/A	IRONMONGERY "ISEO 200N602S Euro Profile" 60mm mortise entrance lock complete with "ISEO 816935359 High Security F6" 70mm single thumb turn cylinder with nickel finish and "EUROMASTER Plaza EM782/ISOSS" tube lever handle or other approved equivalent (Meeting Space, Pantry, Care Taker, Event Room, Library, Prayer Room, Counseling Room and Corridor)	NO.	13	250.00	3,250.00				
4/11/1/B	Extra over for master key system	NO.	13	50.00	650.00				
4/11/1/C	"ISEO 826235359" privacy cylindrical lock or other approved equivalent (All Toilet)	NO.	7	100.00	700.00				
4/11/2/A	"EUROMASTER EMFP200SS" 200mm flush bolt, "EUROMASTER EMFP600SS" 600mm flush bolt and "EUROMASTER EIMDC1/ISS" rebated part for mortise or other approved equivalent (Meeting Space)	NO.	2	110.00	220.00				
4/11/2/A	"EUROMASTER EMH533SS" door hinge overall size 127mm x 76mm x 3mm with 4 ball bearing or other approved equivalent (All Toilet, Meeting Space, Pantry, Care Taker, Event Room, Library, Prayer Room, Counseling Room and Corridor)	NO.	88	50.00	4,400.00				
	TOTAL ELEMENT NO. 11 - IRONMONGERIES				9,220.00				
	ELEMENT NO. 12 - WALL FINISHES (ALL PROVISIONAL) PLASTERWORK Note:- 1) The rate for plasterwork shall inclusive of:- a) PVC angle beads for all corners (i.e. window, door and wall corner) b) uPVC throating / water drip c) Fibreglass mesh tape / exmet or any other approved treatment for the joint between cement and sand plaster and skim coat finishing d) Plaster to fall at external edge of window								
4/12/1/A	Cement and sand (1:3) with an approved plasticiser externally finished with a wood float:- 20mm (min) Plinface to wall and column	M2	76	50.00	3,800.00				



4/12/1/B	Cement and sand (1:3) with an approved plasticiser internally finished with a steel trowel:- 20mm (min) Plainface to wall and column	M2	738	50.00	36,900.00
WALL TILES					
Note:- 1) The Contractor shall breakdown his prices in the boxes provided 2) Adjustment will be made to the rate accordingly based on the actual cost except the Adhesive and grout (Item c), Screed (Item d) and Labour & Other Cost All Inclusive (Item e) should other tile be used 3) The Contractor is required to submit tiles setting out shop drawing for approval prior commencement of works 4) The rate for wall tile shall be inclusive of:- a) Screeded backing to wall b) Tile spacer for forming gap between tile c) Tile edge to be chamfered d) Working around electrical & telephone junction box including cutting fitting in and lay matching tiles 5) The measurement of wall tiles shall be in square meter inclusive of quantities of edge of window					
Supply and lay various wall tile finishes; in types, quality, colours, patterns, selection by the Architect					
4/12/2/A	300mm x 600mm "MML Belluci SM8K1D" or other approved equivalent porcelain homogeneous tile laid to pattern, bedded in tile adhesive, jointed and pointed in matching colour tile grout including cement and sand (1:3) screeded backing all to the Manufacturer's instruction and Architect's drawings and approval	M2	227	150.00	34,050.00
4/12/2/B	Finish to wall and column (All Toilet)	M	5	20.00	100.00
4/12/2/C	Finish to drop 50mm high Finish to dry wall partition (Toilet)	M2	3	150.00	450.00
300mm x 600mm "MML Element C202" or other approved equivalent porcelain homogeneous tile laid to pattern, bedded in tile adhesive, jointed and pointed in matching colour tile grout including cement and sand (1:3) screeded backing all to the Manufacturer's instruction and Architect's drawings and approval					
4/12/3/A	Finish to wall and column (Pantry)	M2	76	150.00	11,400.00
4/12/3/B	Finish to drop 50mm high	M	1	20.00	20.00
Note:- 1) The Contractor shall breakdown his prices in the boxes provided 2) Adjustment will be made to the rate accordingly based on the actual cost except the Adhesive and grout (Item c), Screed (Item d) and Labour & Other Cost All Inclusive (Item e) should other tile be used 3) The Contractor is required to submit brick veneer setting out shop drawing for approval prior commencement of works 4) The rate for brick veneer shall be inclusive of:- a) Screeded backing to wall, soffit of slab and slab, including to fall b) Working around edges c) 10mm wide drip line as per Architect's Drawing No. TYP(DE)-01 d) Necessary support for working around soffit of slab 5) The measurement of brick veneer shall be in square meter inclusive of quantities of edges					
BRICK VENEER Supply and install "SUZUKA BL-6101" or other approved equivalent brick veneer laid to pattern, bedded in tile adhesive, jointed and pointed in "SUZUKA GM-16" or other approved equivalent grouting including cement and sand (1:3) screeded backing all to the Manufacturer's instruction and Architect's drawings and approval					



4/12/4/A	Finish to wall, slab, soffit of slab and coping; externally	M2	505	340.00	171,700.00				
	TOTAL ELEMENT NO. 12 - WALL FINISHES				258,420.00				
	ELEMENT NO. 13 - FLOOR FINISHES (ALL PROVISIONAL)								
	PAVING								
	Note:								
	1) The rate shall inclusive one layer wire mesh for cement and sand screed thickness 50mm and above								
	Cement and sand (1:3) finished with a steel/ wood trowel to smooth/ semi-smooth/ wet polished finish; including falls and crossfalls:-								
4/13/1/A	25mm (min) Paving; including to fall and crossfall	M2	34	40.00	1,360.00				
4/13/1/B	13mm (min) Finish to drop 150mm high	M	2	20.00	40.00				
4/13/1/C	13mm (min) Finish to drop 25mm high	M	1	20.00	20.00				
	FLOOR TILES								
	Note:								
	1) The Contractor shall breakdown his prices in the boxes provided								
	2) Adjustment will be made to the rate accordingly based on the actual cost except the Adhesive and grout (Item c), Screed (Item d) and Labour & Other Cost. All Inclusive (Item e) should other tile be used								
	3) For the drop and skirting, the adjustment will be made to the rate accordingly based on the actual cost against the Supply rate on the material in area basis and the percentage of wastage and profit as allowed by the Contractor for the similar series of material. No other adjustment will be made for other necessary cost, additional wastage, etc.								
	4) The Contractor is required to submit tiles setting out shop drawing for approval prior commencement of works								
	5) The rate for floor tile shall inclusive of:-								
	a) Screeded bed to concrete floor and steps								
	b) Laying tile to fall and crossfall								
	c) Tile spacer for forming gap between tile								
	d) Tile edge to be chamfered								
	e) Working around electrical & telephone junction box, floor trap & pipe inlet / outlet including cutting, fitting in and lay matching tiles								
	6) The measurement of floor tile shall be in square meter inclusive of quantities of bottom of door except drop								
	Supply and lay various floor tile finishes; in types, quality, colours, patterns; selection by the Architect								
	600mm x 600mm "MML Boston SM8H5D" or other approved equivalent porcelain homogeneous tiles, bedded in tile adhesive, jointed and pointed in matching colour tile grout including cement and sand (1:3) screeded bed all in accordance to the Manufacturer's instruction and Architect's drawings and approval								
4/13/2/A	Paving including fall and crossfall (Meeting Space, Event Room, Library, Prayer Room and Counseling Room)	M2	189	150.00	28,350.00				
4/13/2/B	Finish to skirting 100mm high	M	159	25.00	3,975.00				
4/13/2/C	Finish to drop 100mm high	M	11	25.00	275.00				
	600mm x 600mm "MML Belluci SM8K4D" or other approved equivalent porcelain homogeneous tiles, bedded in tile adhesive, jointed and pointed in matching colour tile grout including cement and sand (1:3) screeded bed all in accordance to the Manufacturer's instruction and Architect's drawings and approval								
4/13/3/A	Paving including fall and crossfall (Corridor and Staircase 2)	M2	111	150.00	16,650.00				
4/13/3/B	Finish to skirting 100mm high	M	134	25.00	3,350.00				



4/13/4/A	300mm x 600mm "MML Belluci SM8K3D" or other approved equivalent porcelain homogeneous tiles laid to pattern, bedded in tile adhesive, jointed and pointed in matching colour tile grout including cement and sand (1:3) screeded bed all to the Manufacturer's instruction and Architect's drawings and approval	M2	54	150.00	8,100.00				
4/13/4/B	Paving including fall and crossfall (Toilet) Finish to ramp 300mm x 600mm "MML Brook SM8S8D" or other approved equivalent porcelain homogeneous tiles laid to pattern, bedded in tile adhesive, jointed and pointed in matching colour tile grout including cement and sand (1:3) screeded bed all to the Manufacturer's instruction and Architect's drawings and approval	M2	1	150.00	150.00				
4/13/5/A	Paving including fall and crossfall (Pantry) Finish to drop 100mm high	M2	30	150.00	4,500.00				
4/13/5/B	300mm x 600mm "MML Ariana SMARA2" or other approved equivalent porcelain homogeneous tiles laid to pattern, bedded in tile adhesive, jointed and pointed in matching colour tile grout including cement and sand (1:3) screeded bed all to the Manufacturer's instruction and Architect's drawings and approval	M	1	25.00	25.00				
4/13/6/A	Paving including fall and crossfall (Care Taker)	M2	16	150.00	2,400.00				
4/13/6/B	Finish to skirting 100mm high WATERPROOFING	M	15	25.00	375.00				
	Note:- 1) Unless otherwise measured separately, the rates of waterproofing items shall be deemed to inclusive of the cost to carry out ponding and leakage test to all areas or structures treated with waterproofing system. 2) The measurement for waterproofing shall be measured in square metres irrespective of width or height including drop and upturn 3) The Contractor and waterproofing manufacturer and applicator shall jointly provide the ten (10) years warranty in favour of the Employer or any other parties assigned by the Employer commencing from the Date of Certificate of Practical Completion of Main Contract "SIKA" or other approved equivalent waterproofing system including preparing surfaces, priming and laying, working around floor trap outlet, pipe inlet/outlet, pipe penetration, etc.; complete system all as per Manufacturer's specification and instruction and Architect's approval Apply 2 coats "Sika Top Seal 107 RED" 2-part polymer modified cementitious waterproofing and protective coating system at 1.0kg/m2/coat directly onto well prepared and cleaned surfaces and apply "Sikalastic 110" polyurethane liquid applied seamless waterproofing coating system to all floor trap:- To floor, wall, upturn and drop including working around floor traps outlet, pipe inlet/outlet, pipe penetration, etc. (All Toilet) 25mm x 25mm cement and sand angle fillet all around vertical and horizontal joints								
4/13/7/A		M2	79	50.00	3,950.00				
4/13/7/B		M	82	15.00	1,230.00				
	TOTAL ELEMENT NO. 13 - FLOOR FINISHES				74,750.00				
	ELEMENT NO. 14 - CEILING (ALL PROVISIONAL) PLASTERWORK Note:- 1) The rate for plasterworks shall inclusive of :- a) PVC angle beads for all corners b) PVC throating / water drip Approved ready-mixed cement based plaster / skim coat applied all in accordance with manufacturer's instruction:- 10mm (min) Plaster to concrete sides and soffit, externally								
4/14/1/A		M2	20	40.00	800.00				



4/15/2/B	"Orin VARNA" 505mm x 440mm x 150mm high wall hung basin complete with fixing bolts including "Orin" stainless steel pop-up waste with overflow "Orin" 32mm PVC bottle trap or other approved equivalent (Toilet 1 and Toilet 2)	NO.	2	580.00	1,160.00			
4/15/3/A	"Orin PRAGO" 415mm x 415mm x 150mm high semi-recessed basin complete with fixing bolts including "Orin" stainless steel pop-up waste with overflow "Orin" 32mm PVC bottle trap or other approved equivalent (Disabled Toilet)	NO.	1	520.00	520.00			
4/15/3/B	"Orin ONLL-11032T7" other other approved equivalent brass chromed wall mounted basin cold tap with quarter turn (Female Toilet and Male Toilet)	NO.	7	110.00	770.00			
4/15/3/C	"Orin SK9922" other other approved equivalent brass chromed single lever basin cold tap (Toilet 1 and Toilet 2)	NO.	2	220.00	440.00			
4/15/4/A	"Orin ON 12000F27" other other approved equivalent brass chromed basin tap with 7" elongated handle (Disabled Toilet)	NO.	1	130.00	130.00			
4/15/4/B	"Orin 9A-6010" ABS chromed shower head complete with stainless steel shower arm and "ORIN 12017CT1QT" brass chromed concealed stopcock or other approved equivalent (Toilet 2)	NO.	1	66.00	66.00			
4/15/4/C	"Orin ONHB-BS222S" brass nozzle bidet spray complete with flexible hose, holder and "ORIN ON202CT1" brass chromed angle valve or other approved equivalent (Disabled Toilet, Female Toilet, Male Toilet, Toilet 1 and Toilet 2)	NO.	9	66.00	594.00			
4/15/5/A	"Orin VA PHA 01" or other approved equivalent stainless steel toilet roll holder (Toilet)	NO.	9	66.00	594.00			
4/15/5/B	"ABG BU4843" 483mm x 430mm x 230mm SUS304 stainless steel under mount one piece craft kitchen sink complete with sink waste, "Orin" 40mm PVC bottle trap or other approved equivalent including support bar or bracket (Pantry)	NO.	2	350.00	700.00			
4/15/5/C	"Orin SS35PST-M" or other approved equivalent matt finish stainless steel single lever kitchen sink mixer (Pantry)	NO.	2	360.00	720.00			
4/15/6/A	"Orin Denver" 375mm x 320mm x 680mm wall hung urinal top inlet complete with ceramic waste, bracket and fixing bolts and "Orin OR-AC508" exposed urinal flush valve complete with straight pipe and metal spud or other approved equivalent (Male Toilet)	NO.	3	370.00	1,110.00			
4/15/6/B	"Orin ONGB807-600" or other approved equivalent 600mm x 32mm diameter stainless steel straight grab bar (Disabled Toilet)	NO.	1	140.00	140.00			
4/15/6/C	"Orin ON 803" or other approved equivalent 165mm x 750mm x 32mm diameter stainless steel 304 lift up grab bar (Disabled Toilet)	NO.	1	250.00	250.00			
4/15/7/A	"Orin TPE9111" or other approved equivalent size 130mm x 130mm SUS304 & ABS floor trap with anti-insect tile insert	NO.	11	55.00	605.00			
4/15/7/B	"Orin" or other approved equivalent 32mm PVC bottle trap	NO.	3	15.00	45.00			
4/15/7/C	VANITY COUNTER TOP 300mm x 600mm "NIRO GRANITE 30x60 GMA25 BLANC-1ST MARMO POLISHED" or other approved equivalent porcelain homogeneous tiles finish vanity counter top including reinforced concrete structure, forming opening for basin or sink, surface preparation, adhesive, etc. complete system as per Architect's Drawing	NO.	1	6,000.00	6,000.00			
4/15/7/D	Overall size (2650+3025+5475)mm C-shape girth for x (600/550/600)mm wide x 100mm high and chamfer all edge as per Architect's Drawing No. GA(A)-02 (Pantry)	NO.	1	2,000.00	2,000.00			
4/15/7/E	Overall size 3290mm long x 600mm wide x 100mm high and chamfer all edge as per Architect's Drawing No. DT(DE)-01-03 (Disabled Toilet)	NO.	1	3,000.00	3,000.00			
4/15/7/F	Overall size 5250mm long x 500mm wide x 230mm high and chamfer all edge as per Architect's Drawing No. FT(DE)-01-05 (Female Toilet)	NO.	1	1,500.00	1,500.00			
4/15/7/G	Overall size 2600mm long x 500mm wide x 230mm high and chamfer all edge as per Architect's Drawing No. MT(DE)-01-05 (Male Toilet)	NO.	1					
4/15/7/H	URNAL PANEL Supply and install approved urinal panel including all fixing accessories fixed to wall as per Architect's drawings "Orin UB2" or other approved equivalent 360mm x 800mm ceramic urinal division	NO.	2	300.00	600.00			
TOTAL ELEMENT NO. 15 - SANITARY WARES AND FITTINGS					28,854.00			
ELEMENT NO. 16 - PAINTING AND DECORATION (ALL PROVISIONAL)								
Note:-								



1) The Contractor and paint manufacturer and applicator shall jointly provide a seven (7) years warranty for exterior paint in favour of the Employer or any other parties assigned by the Employer commencing from the Date of Certificate of Practical Completion of Main Contract 2) Colour scheme shall be submitted for Architect's approval. 3) The measurement of painting to wall shall be square metres to irrespective of the height of wall WALL AND CEILING Prepare and apply paint "Nippon Paint" system comprising of one coat of "Nippon Vinilex 5100 Wall Sealer" styrene acrylic water-based primer and two finishing coats of "Nippon Weatherbond", pure acrylic weather resistant paint or other approved equivalent all in accordance to Architect's approval and to the manufacturer's instruction, externally:-					
4/16/1/A	Surfaces of plastered wall and column	M2	76	20.00	1,520.00
4/16/1/B	Surfaces of plastered concrete sides and soffit	M2	24	20.00	480.00
4/16/1/C	Surfaces of plastered sloping concrete soffit	M2	19	20.00	380.00
4/16/1/D	Surface of plastered edge of concrete including working to profile of tread and riser overall width exceeding 300mm and not exceeding 400mm high	M	21	10.00	210.00
Prepare and apply paint "Nippon Paint" system comprising of one coat of "Nippon Vinilex 5300 Basecoat", acrylic copolymer water-based base coat and two finishing coats of "Nippon Matex Pro", acrylic copolymer emulsion paint or other approved equivalent all in accordance to Architect's approval and to the manufacturer's instruction, internally:-					
4/16/1/E	Surfaces of plastered wall and column	M2	738	8.00	5,904.00
4/16/1/F	Surfaces of dry wall	M2	107	8.00	856.00
4/16/1/G	Surfaces of skim coated concrete soffit	M2	22	8.00	176.00
4/16/1/H	Surfaces of skim coated sloping concrete soffit	M2	17	8.00	136.00
4/16/1/J	Surface of skim coated edge of concrete including working to profile of tread and riser overall width exceeding 300mm and not exceeding 400mm high	M	14	4.00	56.00
4/16/1/K	Surfaces of fibrous plasterboard ceiling	M2	310	8.00	2,480.00
4/16/2/A	Surfaces of fibrous plasterboard ceiling (Measured irrespective of height over Staircase 2)	M2	12	8.00	96.00
4/16/2/B	Surfaces of fibrous plasterboard ceiling; exceeding 3.50m but not exceeding 5.00m high	M2	6	8.00	48.00
4/16/2/C	Surfaces of moisture resistance fibrous plasterboard ceiling	M2	58	8.00	464.00
Prepare and apply "Sika" or other approved equivalent system comprising of two coat of "Sikagard-700 MY", 1-part water repellent impregnation and colourless protective surface treatment absorbent exposed materials all in accordance to S.O.'s approval and to the manufacturer's instruction, externally:-					
4/16/2/D	Surfaces of brick veneer	M2	505	40.00	20,200.00
METAL WORKS Prepare and apply paint "Nippon Paint" system comprising of one coat primer (shop primed by others), one coat of "Nippon Economy Undercoat" quick dry oil-modified alkyd based and two finishing coats of "Nippon 9000 Gloss Finish" fungus resistant oil-modified alkyd enamel paint or other approved equivalent all in accordance to Architect's approval and to the manufacturer's instruction:-					
4/16/2/E	Surfaces of door frame exceeding 150mm and not exceeding 300mm girth	M	35	10.00	350.00
4/16/2/F	Surfaces of mild steel perforated staircase railing as per Architect's Drawing No. ST1(DE)-03-04	M	35	30.00	1,050.00
4/16/2/G	Surfaces of mild steel staircase railing as per Architect's Drawing No. ST2(DE)-03	M	24	30.00	720.00
WOODWORK Prepare and apply paint "Nippon Paint" system comprising of one coat primer (shop primed by others), one coat of "Nippon Economy Undercoat" quick dry oil-modified alkyd based and two finishing coats of "Nippon 9000 Gloss Finish" fungus resistant oil-modified alkyd enamel paint or other approved equivalent all in accordance to Architect's approval and to the manufacturer's instruction:-					

4/16/3/A	Surfaces of door frame exceeding 150mm and not exceeding 300mm girth	M	117	10.00	1,170.00					
4/16/3/B	Surfaces of architrave not exceeding 150mm girth	M	234	10.00	2,340.00					
4/16/3/C	General surfaces of door leaves	M2	136	30.00	4,080.00					
	REPAINTING TO EXISTING									
	Prepare and apply paint "Nippon Paint" system comprising of one coat of "Nippon Vinilex 5100 Wall Sealer" styrene acrylic water-based primer and two finishing coats of "Nippon Weatherbond", pure acrylic weather resistant paint or other approved equivalent including all necessary surface preparation for repainting to existing, all in accordance to Architect's approval and to the manufacturer's instruction, externally:-									
4/16/3/D	Surfaces of existing external wall, coping and ceiling	Item			21,000.00					
	Prepare and apply paint "Nippon Paint" system comprising of one coat of "Nippon Vinilex 5300 Basecoat", acrylic copolymer water-based base coat and two finishing coats of "Nippon Matex Pro", acrylic copolymer emulsion paint or other approved equivalent including all necessary surface preparation for repainting to existing, all in accordance to Architect's approval and to the manufacturer's instruction, internally:-									
4/16/3/E	Surfaces of wall (Existing external wall convert to internal wall)	M2	103	8.00	824.00					
4/16/3/F	Surfaces of wall (Existing internal wall)	M2	53	8.00	424.00					
	TOTAL ELEMENT NO. 16 - PAINTING AND DECORATION				64,964.00					-
	ELEMENT NO. 1 - DEMOLITION WORKS									
	ELEMENT NO. 2 - WORK BELOW LOWEST FLOOR LEVEL				75,500.00					75,500.00
	ELEMENT NO. 3 - FRAME				30,051.00					26,045.00
	ELEMENT NO. 4 - EXTERNAL WALL				122,993.00					27,429.70
	ELEMENT NO. 5 - INTERNAL WALL AND PARTITION				57,047.00					-
	ELEMENT NO. 6 - STAIRCASE, STEPS AND FINISHES				31,217.50					-
	ELEMENT NO. 7 - UPPER FLOOR CONSTRUCTION				67,228.00					-
	ELEMENT NO. 8 - ROOF				60,249.00					-
	ELEMENT NO. 9 - ALUMINIUM AND GLAZING WORKS				38,010.00					-
	ELEMENT NO. 10 - DOORS				30,620.00					-
	ELEMENT NO. 11 - IRONMONGERIES				30,620.00					-
	ELEMENT NO. 12 - WALL FINISHES				9,220.00					-
	ELEMENT NO. 13 - FLOOR FINISHES				258,420.00					-
	ELEMENT NO. 14 - CEILING				74,750.00					-
	ELEMENT NO. 15 - SANITARY WARES AND FITTINGS				18,100.00					-
	ELEMENT NO. 16 - PAINTING AND DECORATION				28,854.00					-
					64,964.00					-
	TOTAL BILL NO. 4 - MAIN BUILDING				997,843.50					129,574.70



SHAH ALAM CHINESE METHODIST CHURCH-RENOVATION WORKS
BILL NO. 5 - TEMPORARY TOILET

Item	Description	Unit	Qty	Rate (RM)	Contract Amount (RM)	Workdone(%)		Amount (RM)
						Previous	Current	
	ELEMENT NO. 1 - WORK BELOW LOWEST FLOOR LEVEL (ALL PROVISIONAL) <u>Specification And General Labour Clauses:-</u> For Description and Materials, Workmanship and General Labour Clauses applicable to this bill, see "Bill No. 2 - Specification & Preambles". <u>EXCAVATION WORK</u> <u>Note:-</u> 1) All excavation are measured from existing ground unless otherwise stated 2) The rate for excavation work shall be inclusive of:- a) protecting sides of excavation by temporary shoring such as plank and strutting or steel sheet piling and strutting as required for the type of soil encountered b) Cart away surplus excavated materials to dump site within development area or load, transport and stock pile surplus excavated materials to area of fill whichever as per BQ item described c) All other items as described in the preamble 3) The Contractor is required to observe and comply with the conditions regarding the manner in which excavation works should be carried out as well as other conditions prior to or during the execution of excavation works <u>Excavate, get out, part return, fill in and ram, load, transport excavated materials to area of filling, spread level, compact and remove surplus excavated materials from site</u>	M3	12	80.00	960.00	100.00		960.00
5/11/A	For non-suspended ground slab maximum depth not exceeding 1.00m deep <u>HARDCORE</u> <u>Crusher run blinded with sand as described; spread, levelled, well consolidated and watered</u>	M2	17	40.00	680.00	100.00		680.00
5/11/B	150mm Bed beneath non-suspended ground slab <u>CONCRETE WORK</u> <u>CONCRETE</u> <u>Quality control concrete Grade 10:-</u>	M2	17	30.00	510.00	100.00		510.00
5/11/C	50mm Bed as blinding beneath non-suspended ground slab, including all necessary formwork <u>Quality control reinforced vibrated concrete Grade 30:-</u>	M2	6	70.00	420.00	100.00		420.00
5/12/A	175mm Non-suspended ground slab	M2	11	60.00	660.00	100.00		660.00
5/12/B	150mm Non-suspended ground slab	M2	1	30.00	30.00	100.00		30.00
5/12/C	75mm Ramp slab	M3	4	400.00	1,600.00	100.00		1,600.00
5/12/D	Extra Over for forming thickening to underside of slab for an additional depth of 425mm and an average width of 663mm (Reinforcement measured separately)	M	9	50.00	450.00	100.00		450.00
5/12/E	100mm wide x 125mm high concrete kerb including all necessary formwork as per Engineer's Drawing No. TDC/H/7463/TEM/01/REV.0 (Reinforcement measured separately)	M	3	50.00	150.00	100.00		150.00
5/12/F	100mm wide x 100mm high concrete kerb including all necessary formwork as per Engineer's Drawing No. TDC/H/7463/TEM/01/REV.0 (Reinforcement measured separately)							
	<u>REINFORCEMENT</u>							
5/12/G	<u>Mild steel rod reinforcement as described in:-</u> <u>Kerb</u> 6mm Diameter rod as links and stirrups <u>High tensile steel rod reinforcement as described in:-</u>	KG	11	5.50	60.50	100.00		60.50



5/1/2/H	Non-suspended ground slab	16mm Diameter rod	234	5.50	1,287.00	100.00	1,287.00
5/1/2/J		10mm Diameter rod	186	5.50	1,023.00	100.00	1,023.00
5/1/2/K	Kerb	10mm Diameter rod	11	5.50	60.50	100.00	60.50
5/1/2/L	Mesh fabric reinforcement cut to size:- Non-suspended ground slab B.R.C. No. A10 (6.16Kg/m2) mesh fabric reinforcement laid in position with side and end laps (measured nett no allowance made for laps)	M2	26	50.00	1,300.00	100.00	1,300.00
5/1/2/M	FORMWORK Use and waste of sawn formwork as described:-	M	3	20.00	60.00	100.00	60.00
5/1/2/N	To edge of concrete not exceeding 250mm high To edge of concrete exceeding 500mm high but not exceeding 1000mm high	M	17	50.00	850.00	100.00	850.00
	TOTAL ELEMENT NO. 1 - WORK BELOW LOWEST FLOOR LEVEL				10,101.00		10,101.00
5/2/1/A	ELEMENT NO. 2 - FRAME (ALL PROVISIONAL) CONCRETE WORK CONCRETE Quality control reinforced vibrated concrete Grade 30:- Column	M3	1	400.00	400.00	100.00	400.00
5/2/1/B	REINFORCEMENT High tensile steel rod reinforcement as described in:- Column	KG	135	5.50	742.50	100.00	742.50
5/2/1/C	12mm Diameter rod 10mm Diameter rod	KG	94	5.50	517.00	100.00	517.00
5/2/1/D	FORMWORK Note:- 1) The measurement for formwork to sides column shall be in square metres to irrespective of the height of column Use and waste of sawn formwork as described:- To sides of column	M2	14	63.00	882.00	100.00	882.00
	TOTAL ELEMENT NO. 2 - FRAME				2,541.50		2,541.50
5/3/1/A	ELEMENT NO. 3 - EXTERNAL WALL (ALL PROVISIONAL) BRICKWORK Note:- 1) The rate for brickwall shall be deemed to inclusive of the following:- a) Bonding tie and brick reinforcement b) Damp-proof course and grout infill c) All other items as described in the preamble of brickwork Cement and sand brick as described bedded in cement mortar (1:3) with plasticiser:- Half brickwall (115mm thick) reinforced with and including a layer of Exmet 65mm wide at every fourth course	M2	29	50.00	1,450.00	100.00	1,450.00



	TOTAL ELEMENT NO. 3 - EXTERNAL WALL										1,450.00	1,450.00								
	ELEMENT NO. 4 - INTERNAL WALL AND PARTITION (ALL PROVISIONAL) CONCRETE WORK CONCRETE Quality control reinforced vibrated concrete Grade 30:- Stiffener REINFORCEMENT Mild steel rod reinforcement as described in:- Stiffener 6mm Diameter rod as links and stirrups High tensile steel rod reinforcement as described in:- Stiffener 10mm Diameter rod FORMWORK Use and waste of sawn formwork as described:- To sides of stiffener BRICKWORK Note:- 1) The rate for brickwall shall be deemed to inclusive of the following:- a) Bonding tie and brick reinforcement b) Damp-proof course and grout infill c) All other items as described in the preamble of brickwork Cement and sand brick as described bedded in cement mortar (1:3) with plasticiser:- Half brickwall (115mm thick) reinforced with and including a layer of Exmet 65mm wide at every forth course DRY WALL PARTITION Note:- 1) Unless otherwise measured separately, the rates for dry wall partition shall held to include:- a) Framing, jointing, additional treatment to edges and ends, all fixing accessories, etc. complete system all to manufacturer's instruction b) Working around and forming opening for mechanical and electrical services or any other opening, etc. c) Provision of temporary scaffolding required for the works d) Wall preparatory works prior to wall panelling installation Dry wall partition fixed with and including steel stud framing, countersunk/self-drilling screws, noggings, furring channel, touch up joint, additional framing and boarding for forming opening for door/window, surface preparation to receive painting (measured separately) strictly in accordance with manufacturer's instruction:- 101mm Dry wall partition (approximately) cladded both side with 12.7mm thick "USG Boral Fiberock Aqua-Tough" or other approved equivalent plasterboard; internally										M3	1	400.00	400.00	100.00				100.00	
5/4/1/A						KG	3	5.50	16.50	100.00				100.00		400.00				
5/4/1/B						KG	9	5.50	49.50	100.00				100.00		16.50				
5/4/1/C						M2	1	63.00	63.00	100.00				100.00		49.50				
5/4/1/D																63.00				
5/4/1/E						M2	8	50.00	400.00	100.00				100.00		400.00				
5/4/2/A						M2	14	100.00	1,400.00	100.00				100.00		1,400.00				
	TOTAL ELEMENT NO. 4 - INTERNAL WALL AND PARTITION										2,329.00	2,329.00								
	ELEMENT NO. 5 - ROOF (ALL PROVISIONAL) Note:-																			



1) Shop drawing is required to be submitted for approval prior commencement of works
DESIGN, MODIFY AND REUSE EXISTING METAL DECK ROOFING SYSTEM

Design and install metal deck roofing system (approximately 23m²) laid to fall to 5 degree pitch by modifying existing metal deck roofing system including roof truss, purlin, etc. dismantled from existing building complete with all fixing accessories, all cut, frame together and fixed in position as per Engineer's approval (Dismantling of existing roof truss and metal deck measured separately)

5/5/1/A	Item				3,000.00	100.00		100.00	100.00	3,000.00
					3,000.00					3,000.00
TOTAL ELEMENT NO. 5 - ROOF										
ELEMENT NO. 6 - DOOR (ALL PROVISIONAL) REUSE EXISTING DOOR										
5/6/1/A	NO.	2	100.00		200.00				100.00	200.00
5/6/1/B	NO.	5	100.00		500.00				100.00	500.00
METAL DOOR FRAME										
Approved metal door frame (minimum 1mm thick) complete with stainless steel SUS304 hinges in position, column or wall ties, striker plate, spreader bar, etc.; complete system fill in frame with cement and sand (1:3) mortar fixed strictly as per Manufacturer's instructions and Architect's approval:-										
5/6/1/C	NO.	2	130.00		260.00			100.00		260.00
5/6/1/D	NO.	5	100.00		500.00			100.00		500.00
					1,460.00					1,460.00
TOTAL ELEMENT NO. 6 - DOOR										
ELEMENT NO. 7 - IRONMONGERIES (ALL PROVISIONAL) Note:-										
1) The Contractor shall breakdown his prices in the boxes provided										
2) The rate of Ironmongery shall be inclusive of all fixing accessories										
3) Adjustment will be made to the rate accordingly based on the actual cost except the fixing cost (i.e. Item b)										
5/7/1/A	NO.	7	70.00		490.00				100.00	490.00
IRONMONGERY										
"ISEO 826235359" or other approved equivalent privacy cylindrical lock										
					490.00					490.00
TOTAL ELEMENT NO. 7 - IRONMONGERIES										
ELEMENT NO. 8 - WALL FINISHES (ALL PROVISIONAL) PLASTERWORK										
Note:-										
1) The rate for plasterwork shall inclusive of:-										
a) PVC angle beads for all corners (i.e. window, door and wall corner)										
b) uPVC throating / water drip										
c) Fibreglass mesh tape / exmet or any other approved treatment for the joint between cement and sand plaster and skim coat finishing										
d) Plaster to fall at external edge of window										





5/8/1/A	<u>Cement and sand (1:3) with an approved plasticiser externally finished with a wood float:-</u> 20mm (min) Plainface to wall and column	M2	37	50.00	1,850.00	100.00	100.00	1,850.00
5/8/1/B	<u>Cement and sand (1:3) with an approved plasticiser internally finished with a steel trowel:-</u> 20mm (min) Plainface to wall and column	M2	51	50.00	2,550.00	100.00	100.00	2,550.00
	TOTAL ELEMENT NO. 8 - WALL FINISHES				4,400.00			4,400.00
5/9/1/A	<u>ELEMENT NO. 9 - FLOOR FINISHES</u> <u>(ALL PROVISIONAL)</u> <u>PAVING</u> <u>Note:-</u> 1) The rate shall inclusive one layer wire mesh for cement and sand screed thickness 50mm and above <u>Cement and sand (1:3) finished with a steel/ wood trowel to smooth/ semi-smooth/ wet polished finish; including falls and crossfalls:-</u> 25mm (min) Paving; including to fall and crossfall 13mm (min) Finish to drop 50mm high 13mm (min) Finish to drop 25mm high	M2 M M	15 2 4	40.00 5.00 5.00	600.00 10.00 20.00	100.00 100.00 100.00		600.00 10.00 20.00
5/9/2/A	<u>WATERPROOFING</u> <u>Note:-</u> 1) Unless otherwise measured separately, the rates of waterproofing items shall be deemed to inclusive of the cost to carry out ponding and leakage test to all areas or structures treated with waterproofing system. 2) The measurement for waterproofing shall be measured in square metres irrespective of width or height including drop and upturn 3) The Contractor and waterproofing manufacturer and applicator shall jointly provide the ten (10) years warranty in favour of the Employer or any other parties assigned by the Employer commencing from the Date of Certificate of Practical Completion of Main Contract "SIKA" or other approved equivalent waterproofing system including preparing surfaces, priming and laying, working around floor trap outlet, pipe inlet/outlet, pipe penetration, etc.; complete system all as per Manufacturer's specification and instruction and Architect's approval Apply 2 coats "Sika Top Seal 107 RED" 2-part polymer modified cementitious waterproofing and protective coating system at 1.0kg/m2/coat directly onto well prepared and cleaned surfaces and apply "Sikalastic 110" polyurethane liquid applied seamless waterproofing coating system to all floor trap:- To floor, wall, upturn and drop including working around floor traps outlet, pipe inlet/outlet, pipe penetration, etc. (All Toilet) 25mm x 25mm cement and sand angle fillet all around vertical and horizontal joints	M2 M	25 38	50.00 15.00	1,250.00 570.00	100.00 100.00		1,250.00 570.00
	TOTAL ELEMENT NO. 9 - FLOOR FINISHES				2,450.00			2,450.00
5/10/1/A	<u>ELEMENT NO. 10 SANITARY WARES AND FITTINGS</u> <u>(ALL PROVISIONAL)</u> <u>REUSE EXISTING SANITARY WARES</u> <u>Note:-</u> 1) The rate of installing existing sanitary wares and fittings shall be inclusive of all fixing accessories, joints, connection to supply, waste and overflow pipe <u>To install existing sanitary wares dismantled from existing building including all fixing accessories, connection to supply, etc.:-</u> Water closet	NO.	5	100.00	500.00	100.00	100.00	500.00

5/10/1/B	Urinal bowl	NO.	2	80.00	160.00	100.00	160.00
5/10/1/C	Hand bidet	NO.	5	20.00	100.00	100.00	100.00
5/10/1/D	Toilet roll holder	NO.	5	20.00	100.00	100.00	100.00
5/10/1/E	Basin tap	NO.	3	20.00	60.00	100.00	60.00
SANITARY WARES AND FITTINGS							
Note:-							
1) The Contractor shall breakdown his prices in the boxes provided							
2) The rate of sanitary wares and fittings shall be inclusive of all fixing accessories, joints, connection to supply, waste and overflow pipe							
3) Adjustment will be made to the rate accordingly based on the actual cost except the Fixing & Other Cost All inclusive (i.e. item b)							
Supply and fix the following sanitary wares, fittings and accessories including moving, handling, and storing within site							
5/10/1/F	"Orin SMART 500" 500mm x 388mm x 175mm high wall hung basin complete with fixing bolts including "Orin" 32mm PVC bottle trap and waste or other approved equivalent	NO.	3	310.00	930.00	100.00	930.00
5/10/2/A	"Orin VA-SG-1010" or other approved equivalent size 150mm x 150mm stainless steel floor trap	NO.	6	45.00	270.00	100.00	270.00
TOTAL ELEMENT NO. 10 - SANITARY WARES AND FITTINGS					2,120.00		2,120.00
ELEMENT NO. 11 - PAINTING AND DECORATION							
(ALL PROVISIONAL)							
Note:-							
1) The Contractor and paint manufacturer and applicator shall jointly provide a seven (7) years warranty for exterior paint in favour of the Employer or any other parties assigned by the Employer commencing from the Date of Certificate of Practical Completion of Main Contract							
2) Colour scheme shall be submitted for Architect's approval.							
3) The measurement of painting to wall shall be square metres to irrespective of the height of wall							
WALL AND CEILING							
Prepare and apply paint "Nippon Paint" system comprising of one coat of "Nippon Vinilex 5100 Wall Sealer" styrene acrylic water-based primer and two finishing coats of "Nippon Weatherbond" . pure acrylic weather resistant paint or other approved equivalent all in accordance to Architect's approval and to the manufacturer's instruction, externally:-							
5/11/1/A	Surfaces of plastered wall and column	M2	37	20.00	740.00	100.00	740.00
Prepare and apply paint "Nippon Paint" system comprising of one coat of "Nippon Vinilex 5300 Basecoat", acrylic copolymer water-based base coat and two finishing coats of "Nippon Matex Pro", acrylic copolymer emulsion paint or other approved equivalent all in accordance to Architect's approval and to the manufacturer's instruction, internally:-							
5/11/1/B	Surfaces of plastered wall and column	M2	51	8.00	408.00	100.00	408.00
5/11/1/C	Surfaces of dry wall	M2	29	8.00	232.00	100.00	232.00
METAL WORKS							
Prepare and apply paint "Nippon Paint" system comprising of one coat primer (shop primed by others), one coat of "Nippon Economy Undercoat" quick dry oil-modified alkyd based and two finishing coats of "Nippon 9000 Gloss Finish" fungus resistant oil-modified alkyd enamel paint or other approved equivalent all in accordance to Architect's approval and to the manufacturer's instruction:-							
5/11/1/D	Surfaces of door frame exceeding 150mm and not exceeding 300mm girth	M	36	10.00	360.00	100.00	360.00
TOTAL ELEMENT NO. 11 - PAINTING AND DECORATION					1,740.00		1,740.00



a) The rate / price for demolition and hacking works shall be inclusive of the following:-

- ## DEMOLITION WORK

Any Other Works

specification, or are required to be carried out by the Architect and the authorities (P

1) Serial Port and USB connectivity are

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TOTAL ELEMENT NO. 1 - WORK BELOW LOWEST FLOOR LEVEL

TOTAL ELEMENT NO 3 - EXTERNAL WALL

TOTAL ELEMENT NO 5 DOGE

TOTAL ELEMENT NO. 6 - DOOR

TOTAL ELEMENT NO. 8 - WALL FINISHES

TOTAL ELEMENT NO. 10 SANITARY WARES AND FITTINGS

TOTAL ELEMENT NO. 12 - DEMOLITION WORKS

TOTAL BILL NO 5 - TEMPORARY TOILET

TOTAL BILL NO. 5 - TEMPORARY TOILET

CONTRACT DOCUMENT VOL 2
TENDER SUMMARY NO 2. AIR CONDITIONING WORK

Item	Description *	Unit	Qty	Rate	Amount	Workdone
1	To supply and install split unit air cond c/w compressor, Fan coil unit, standard length of refrigerant pipes/condensation pipes and accessories: -					
a.	1.0 hp wall mounted type	no.	1	1500.00	1500.00	
b.	1.5 hp wall mounted type	no.	7	1800.00	12600.00	
c.	2.0 hp wall mounted type	no.	2	2800.00	5600.00	
d.	2.5 hp wall mounted type	no.	1	3100.00	3100.00	
2	Extra length of refrigerant piping works c/w insulation, support brackets, wiring and accessories, etc. for the above.	Lot.	1	16000.00	16000.00	
3	Extra length of condensation piping works c/w insulation, support brackets and accessories, etc. for the above.	Lot	1	4000.00	4000.00	
4	Testing and commisioning.	Lot	1	1300.00	1300.00	
5	To dismantle and re-locate the following outdoor condensing units c/w bracket:					
a.	Panasonic 4 hp condenser	set	5	500.00	2500.00	2500.00
b.	Panasonic 1.5 hp condenser	set	1	200.00	200.00	200.00
c.	Panasonic 1 hp condenser	set	1	200.00	200.00	200.00
6	To supply and install additional new refrigerant piping c/w insulation					
a.	Panasonic 4 hp condenser	set	5	600.00	3000.00	3000.00
b.	Panasonic 1.5 hp condenser	set	1	250.00	250.00	250.00
c.	Panasonic 1 hp condenser	set	1	250.00	250.00	250.00
7	Testing and commisioning including charging of additional R22 refrigerant gas.					
a.	Panasonic 4 hp condenser	set	5	300.00	1500.00	1500.00
b.	Panasonic 1.5 hp condenser	set	1	150.00	150.00	150.00
c.	Panasonic 1 hp condenser	set	1	150.00	150.00	150.00
Total C/F to Final Summary					52300.00	8200.00



CONTRACT DOCUMENT VOL 2
TENDER SUMMARY NO 4. SOIL AND WASTE PLUMBING

Item	Description	Amount	Workdone
1	Sanitary Manholes & Lines , excavation, dewatering protection, backfill, bedding, compacting, manhole covers flush with final finished level, removal of excess soil & lay 150mmΦ upvc brown/VCP pipes from, including last Manhole and connect to existing manhole (external Sewer line & Sewer manholes shall refer to C&S detail drawings and specifications.		
a.	IC-1	3000.00	3000.00
b.	150mm dia. upvc brown pipe from IC to existing MH-3	2500.00	2500.00
2	Soil & waste stacks & Vent stacks , including roof vent cowls.	1000.00	0.00
3	Final soil & waste plumbing from outlets of WCs, bins, floor traps, sinks to Gully traps (inclusive of supply of gully traps & grates and to manholes (G Flr).	3000.00	2000.00
4	Supply & install floor traps , 110 dia with s/s grates.	500.00	
5	Connect & install (supply by Main contractor) Sanitary fittings.	2000.00	
6	Testing, commissioning and cleaning.	1000.00	
Total C/F to Final Summary		13000.00	7500.00

