

Bill of Quantities

CONSTRUCTION OF
ADDU CITY
REGIONAL HEADQUARTER

INFRASTRUCTURE AND BUILDING DEVELOPMENT
MALDIVES POLICE SERVICE
MALE' REP OF MALDIVES.

CLIENT: MALDIVES POLICE SERVICE
LOCATION:S.FEYDHOO/ ADDU CITY
DATE: 23 MAY 2022

MAIN SUMMARY

NOS	DESCRIPTION	AMOUNT (MVR)
1	PRELIMINARIES	
2	CONSTRUCTION OF BOUNDARY WALLS	
3	CONSTRUCTION OF OFFICE BUILDING	
4	CONSTRUCTION OF CUSTODIAL FACILITY	
5	CONSTRUCTION OF GARAGE BUILDING	
	TOTAL	
	GST 6%	
	GRAND TOTAL (MVR)	

INFRASTRUCTURE AND BUILDING DEVELOPMENT
MALDIVES POLICE SERVICE
MALE' REP OF MALDIVES.

PROJECT: CONSTRUCTION OF ADDU CITY REGIONAL HEADQUARTER / PRELIMINARIES

CLIENT: MALDIVES POLICE SERVICE

LOCATION: S.FEYDHOO/ ADDU CITY

DATE: 23 MAY 2022

SUB-SUMMARY

Bill No	DESCRIPTION	AMOUNT (MVR)
1	BILL No: 01 -PRELIMINARIES	
2	BILL No: 02 -ADDITION	
3	BILL No: 03 -OMISSION	
	TOTAL CARRIED OVER TO MAIN SUMMARY	

BILL OF QUANTITIES

Item	Description	Qty	Unit	Rate	Amount(MVR)
BILL NO: 01					
	<u>PRELIMINARIES</u> <u>Abbreviations</u> m - meter Nos - numbers m ³ - cubic meter m ² - square meter Lm - Linear meter t - tonnes incl - including mm - millimeter dia - diameter SS - Stainless Steel GI - Galvanized Iron DN - Drawing number from drawings SN - Sheet number from drawings				
1.1	<u>SITE MANAGEMENT COST</u>				
(1)	Allow for all on and off site management cost including cost of certified site engineer, foreman and assistants, temporary services, telephone, fax, hoardings, guards and similar.	1.00	Item		
1.2	<u>MATERIAL & FURNITURE APPROVAL</u>				
(1)	Material & furniture ordering from abroad, price shall include 2 persons travelling costs. (transportations, ticket, accommodation and food)	1.00	Item		
1.3	<u>SITE CLEARING</u>				
(1)	Clear site generally, whenever necessary cutting down trees, irrespective of sizes, grubbing roots, stumps etc. dispose of and carting debris, loose boulders, waste materials away from the site.	1.00	Item		
1.4	<u>SIGN BOARD</u>				
	Allow for sign board	1.00	Item		
1.5	<u>CLEAN - UP</u>				
	Allow for clean- up of completed works and site up on completion.	1.00	Item		
1.6	<u>SAFETY</u>				
(1)	Safety - Providing and fixing scaffolding with G.I. pipes and clamps and pvc netting alaround building during construction	1.00	Item		
1.7	<u>Insurance, Bonds, Guarantees and Warranties</u>				
(1)	Insurance as stated in the General Conditions.	1.00	Item		
1.8	<u>As-Built Drawings</u>				
(1)	Preparation and submission of "as-built" Drawings.	1.00	Item		
BILL NO: 01 -PRELIMINARIES					
TOTAL OF BILL No: 01 - Carried over to summary					

BILL No:02					
<u>ADDITIONS</u> a) Add all the Items to be included to BOQ into additions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.					
BILL No: 02 -ADDITIONS TOTAL OF BILL No: 02 - Carried over to summary					

BILL No:03					
<u>OMMISSIONS</u> a) Add all the Items to be omitted from BOQ into omissions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.					
BILL No: 03 -OMISSIONS TOTAL OF BILL No: 03 - Carried over to summary					

INFRASTRUCTURE AND BUILDING DEVELOPMENT
MALDIVES POLICE SERVICE
MALE' REP OF MALDIVES.

PROJECT: CONSTRUCTION OF ADDU CITY REGIONAL HEADQUARTER / BOUNDARY WALL & GUARD POST

CLIENT: MALDIVES POLICE SERVICE

LOCATION: S.FEYDHOO/ ADDU CITY

DATE: 23 MAY 2022

SUB-SUMMARY

Bill No	DESCRIPTION	AMOUNT (MVR)
1	BILL No: 01 -BOUNDARY WALL	
2	BILL No: 02 -ADDITION	
3	BILL No: 03 -OMISSION	
	TOTAL CARRIED OVER TO MAIN SUMMARY	

BILL No: 01				
<u>BOUNDARY WALLS</u>				
1.1	<u>EXCAVATION</u>			
	Note: Excavation quantities are measured to the faces of concrete members. Rates shall include for all additional excavation required to place the formwork/shuttering and dewatering the trenches for the required days.			
(1)	Excavation for ground beams & Pad foundations (12 ft & guard post for wall)	59.13	m ³	
(2)	Excavation for masonry wall (2 ft for wall)	1.27	m ³	
(3)	Excavation for ground beams(8 ft & 5ft for wall)	44.91	m ³	
1.2	<u>BACK FILLING</u>			
	Note:(a) Rates shall include for levelling, grading, trimming, compacting and similar.			
	(b) Ground need to be compected to the required density by the consultant.			
(1)	Earth filling for ground beams , pad foundation & below ground masonry wall	55.40	m ³	
(2)	Well compacted earth filling for ground slab	6.18	m ³	
1.3	<u>DAMP PROOF MEMBRANE</u>			
1.3.1	Polythene damp proof membrane (500 gauge) under:-			
(1)	Pad foundation & Ground beams	114.87	m ²	
(2)	Ground Slab - Guard post	20.60	m ²	
1.3.2	Apply 2 coats of Brush Bond or similar on all concrete and masonry plastered surfaces below ground level in accordance with manufacturer's instructions.			
(1)	Pad Foundation & Ground Beams	327.05	m ²	
(2)	Masonry wall below ground level	362.40	m ²	
1.4	<u>LEAN CONCRETE</u>			
	Note: Quantity is measured to the edges of concrete members. Rates shall be inclusive of any additional concrete required to place the formwork.			
(1)	50mm thick lean concrete to bottom of ground beams & pad foundations	104.89	m ²	
1.5	<u>REINFORCE CONCRETE</u>			
	In-situ reinforced concrete to:			
(1)	Pad foundation & Ground beams	29.77	m ³	
(2)	Columns (below ground level)	2.79	m ³	
(3)	Columns (ground level)	13.25	m ³	
(4)	Bond beams	6.74	m ³	
(5)	Coping beams	14.90	m ³	
(6)	75mm thick RCC Ground Slab (Guard Post)	1.55	m ³	
(7)	Attached Beams RB (200x300mm)	1.19	m ³	
(8)	150mm thick RCC Slab with side projection.	3.09	m ³	

1.6	<u>FORM WORK</u> Note: Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, Grounds, hangers, pipes and removal of formwork.				
(1)	Pad foundation & Ground beams	235.90	m ²		
(2)	Columns (below ground level)	55.72	m ²		
(3)	Columns (above ground level)	265.03	m ²		
(4)	Bond beams	133.26	m ²		
(5)	Coping beams	197.04	m ²		
(6)	75mm thick RCC Ground Slab (Guard Post)	1.40	m ²		
(7)	Attached Beams RB (200x300mm)	15.80	m ²		
(8)	150mm thick RCC Slab with side projection.	29.50	m ²		
1.7	<u>REINFORCEMENT</u>				
1.7.1	<u>Foundation (Pad, Ground beams & Columns)</u>				
(1)	16 mm dia. bars	0.95	t		
(2)	12 mm dia. bars	0.96	t		
(3)	10 mm dia. bars	0.13	t		
(4)	06 mm dia. bars	0.73	t		
1.7.2	<u>Columns</u>				
(1)	12 mm dia. bars	1.19	t		
(2)	06 mm dia. bars	0.59	t		
1.7.3	<u>75mm thick RCC Slab</u>				
(1)	10 mm dia. bars in slab	0.15	t		
1.7.4	<u>Bond Beam</u>				
(1)	12 mm dia. bars	1.08	t		
(2)	06 mm dia. bars	0.43	t		
1.7.5	<u>Coping Beam</u>				
(1)	12 mm dia. bars	1.19	t		
(2)	06 mm dia. bars	0.71	t		
1.7.6	<u>Roof Level (Guard Post)</u> <u>Attached Beams RB</u>				
(1)	12 mm dia. bars	0.08	t		
(2)	6 mm dia. bars	0.03	t		
(3)	<u>150mm thick RCC Slab</u> 10 mm dia. bars in slab	0.30	t		
1.8	<u>OTHER CONCRETE WORKS</u>				
(2)	150x150mm RCC Lintel and Sill beams at all doors and windows with reinforcement and shuttering , plastering etc, and all necessary works as per detail drawing (Guard post)	1.00	item		
1.9	<u>WATER PROOFING (Guard Post)</u> Rate shall include for: all necessary works and dressing around and sealing to all penetrations.				
(1)	Apply 2 coats Masterseal 550 or equivalent type waterproofing material to the all surface of Roof slab (Roof level) in accordance with the specifications and manufacturer's instructions.	29.50	m ²		

1.10	<u>MASONRY AND PLASTERING</u>				
1.10.1	<u>Perimeter 12ft walls</u>				
	Mortar ratio for masonry and plastering shall be 1:4				
(1)	150 x 150 x 300 mm solid block wall, blocks laid on and incl. mortar	541.00	m ²		
(2)	25mm thk plastering for masonry and concrete surfaces. Allow for fiberglass mesh reinforcement at all joints between walls and concrete inclusive of 12mm expansion groove.	1081.99	m ²		
1.10.2	<u>Perimeter 8ft walls</u>				
(1)	150 x 150 x 300 mm solid block wall, blocks laid on and incl. mortar	437.63	m ²		
(2)	25mm thk plastering for masonry and concrete surfaces. Allow for fiberglass mesh reinforcement at all joints between walls and concrete inclusive of 12mm expansion groove.	875.26	m ²		
1.10.3	<u>Perimeter 5ft walls</u>				
(1)	150 x 150 x 300 mm solid block wall, blocks laid on and incl. mortar	57.28	m ²		
(2)	25mm thk plastering for masonry and concrete surfaces. Allow for fiberglass mesh reinforcement at all joints between walls and concrete inclusive of 12mm expansion groove.	114.56	m ²		
1.11	<u>Guard post walls</u>				
(1)	150 x 150 x 300 mm solid block wall, blocks laid on and incl. mortar	61.99	m ²		
(2)	25mm thk plastering for masonry and concrete surfaces. Allow for fiberglass mesh reinforcement @ all joints between walls and concrete inclusive of 12mm expansion groove.	123.97	m ²		
1.12	<u>PAINTING & FINISHINGS</u>				
1.12.1	<u>Guard post floor finishes</u>				
(1)	600x600mm porcelain tiles on floor	8.40	m ²		
(2)	100x600mm tile skirting	11.60	m		
	<u>WALLS / CONCRETE SURFACES</u>				
1.12.2	Note: Oil based emulsion paint system with textured finish on plastered and concrete surfaces of all EXTERNAL WALL . 2 coat of wall sealer, 1 coat of textured and 2 coat of paint. Paint brand shall be SAMHWA or equivalent				
(1)	Perimeter 12ft wall	1081.99	m ²		
(2)	Perimeter 8ft wall	875.26	m ²		
(3)	Perimeter 5ft wall	114.56	m ²		
(4)	Guard post wall	61.99	m ²		
1.12.3	Note: Emulsion paint matt finish surfaces of all INTERNAL WALL . 2 coat of wall sealer and 2 coat of paint.				
(1)	Guard post	61.99	m ²		

1.12.4	<u>CEILING / SOFFIT OF SLAB</u> Note: Emulsion paint oil based finish surfaces of all exterior ceiling and Emulsion paint mat finish surfaces of all interior ceiling . 1 coat of wall sealer and 2 coat of paint.				
(1)	Guard post ceiling	8.40	m ²		
1.12.5	<u>PAVING BLOCK FINISHING</u>				
(1)	Paving block finishing on ramp area & other area as shown in the drawings (include sand filling)	687.52	m ²		
(2)	Curbstone as per standard (1000x300x150 mm)	254.00	m		
1.13	<u>DOORS AND WINDOWS</u> (a) Rates shall include for locks, latches, closures, push plates, pull handles, bolts, kick plates, hinges, door closer, door stoppers and all door & window hardware. (b) Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boarding, framing, lining, fastenings and all fixings. (c) Fabrication and installation of Aluminum casement doors 1.2mm thick powder coated 60-80microns; 6mm clear glass on top & 8mm clear glass with clear shatterguard film for larger panels, inclusive of weather strippings, PU antifungal sealant (Sikaflex 221) at all joints between wall & frame & sub frame, approved SS iron mongery i.e hinges, bolt locks, decorative lock with handle & door closer as described; Provision should all be given in providing RCC lintel where required; (d) All Timber doors shall Solid timber paneled door with paint finish. (e) All GI pipe grill doors should be fillet welded and fixed by anchor bolts to beams and columns				
1.13.1	<u>Aluminium Door (refer detail)</u>				
(1)	DD1	1.00	Nos		
(2)	D03	1.00	Nos		
1.13.2	<u>Aluminium window units (refer detail)</u>				
(1)	Window W01	4.00	Nos		
1.13.3	<u>Gates (refer detail)</u> Fabricating and fixing of SS 316 gate as per the drawing incl. application of one coat of base and two coats of Enamel paint.				
(1)	Gate-G01(automatic sliding gate)	1.00	Nos		
(2)	Gate-G02 (automatic sliding gate)	3.00	Nos		
(3)	Gate-G03	2.00	Nos		

1.14	<u>WOOD AND METAL WORKS</u>				
	<u>WOOD WORKS</u> (a) Rates shall include for: fair edges, dressing over angle fillets, turning into grooves, all other labors, circular edges, nails, screws and other fixings and laps (b) Rates shall include for all painting and finishing as specified (c) Rates shall include for fabrication and erection and temporary supports and fixing into position (d) Apply standard mesh tape and putty on all the joints providing smooth finish.				
1.14.1	<u>Wooden Counter</u>				
(1)	As per drawing make a wooden counter . Rates shall include completion of all necessary works. (Refer drawing)	1.00	item		
1.14.2	<u>Metal work</u>				
(1)	CCTV Camera pole wall mounted (as per drawing detail)	4.00	Nos		
1.15	<u>DRAINAGE</u> Note: (a) Rates shall include for excavation, maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion joints and all joints and other incidental materials. Note: (a) Rates shall include for excavation, maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion joints and all joints and other incidental materials.				
1.15.1	<u>DISCHARGE PIPEWORK</u>				
(1)	75mm ø PVC Rainwater down pipe from roof to the soak pits.	1.00	item		
(2)	Construct soak pits of required size with all provisions to connect pipelines as per drawing.	1.00	Nos		

1.16	<u>ELECTRICAL & SPECIFIC INSTALLATIONS</u> (a) Design, provide and install electrical network for the entire building complete in accordance to the standards set by the local governing body. (b) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories (c) Rates for work in trench shall include for: excavation, maintaining faces of excavations, backfilling, compaction, appropriate cable covers, warning tape and disposal of surplus spoil. (d) Rates for electrical isolators, conduits, fittings, equipment and similar items shall include for: all fixings to various building surfaces. (e) Light end and switch end of wiring together measured as one Point. (f) A Point wiring for power Points is measured as one Point for each socket outlet; other end of wire is not included in the quantity. (g) Rates shall include for supply and complete installation. (h) Three phase power supply. (i) All outdoor lights shall include timer switch				
1.16.1	<u>MAIN CONNECTIONS</u> (1) Allow for connection from panel board to floor distribution boards	1.00	item		
1.16.2	<u>ELECTRICAL BOARDS</u> Note: Complete installation, including for all connections, earthing, testing and similar. (1) Floor Distribution Board	1.00	Nos		
1.16.3	<u>ELECTRICAL WIRING</u> Note: Electrical wiring with copper conductor cable in conduits in walls and concrete as per government regulations including necessary D-boards at each level. (1) Cabling to Distribution boards (2) Wiring to Lights and fans. (3) Wiring to Socket outlets	1.00 8.00 4.00	Points Points Points		
1.16.4	<u>LIGHTING</u> Note: All lights must be of 'PHILIPS brand or equivalent', all switches, sockets etc. must be 'LEGRAND brand or equivalent'. (1) Ceiling Recessed 18W weather proof (white) LED Light (2) Emergency Light High Flux White LED (2Hrs Non-maintained) with socket. (3) Globe light (4) Smart TV 55" PHILIPS or Equivalent	4.00 1.00 4.00 1.00	Nos Nos Nos Nos		

1.16.5	<u>SOCKET OUTLETS</u>				
(1)	Power Socket, 0.3m (2 Gang)	4.00	Nos		
(2)	15A Power Socket, (AC Socket)	1.00	Nos		
(3)	Power Socket, 2.4m (2 Gang)	2.00	Nos		
1.16.6	<u>SWITCHES</u>				
(1)	One way switch, 1.2m (1 Gang)	1.00	Nos		
(2)	One way switch, 1.2m (2 Gang)	1.00	Nos		
1.16.7	<u>CABLETRAY</u>				
	Supply and installation of powder coated cable trays for electric and data cables as per requirement.	1.00	item		
1.16.8	<u>IT NETWORKING</u>				
	Provide & install with all necessary wiring, fittings & accessories IT Network System for the entire building as per drawings, specifications & contractor's shop drawings shall subject to consultants approval.				
(1)	IT networking cable with modules etc..	1.00	Item		
(2)	Internet outlet extension sockets (double gang with separate cable)	2.00	Points		
(3)	CCTV camera Point	9.00	Points		
(4)	Wifi Router	1.00	Points		
1.16.9	<u>FIRE FIGHTING</u>				
	Provide & install fire fighting equipment inclusive of all necessary connection as per local regulations as described.				
(1)	CO2 Fire Extinguisher(2kg)	1.00	Nos		
(2)	H2O Water Extinguisher(9ltr, 13A)	1.00	Nos		
1.17	<u>AIR CONDITIONING SYSTEM</u>				
	a) Rate shall include for all necessary electrical wiring, conduits, fittings, equipments and accessories required for complet Air condition system and drain pipes incl. out door trenches etc. and similar.				
	b) AC Rates shall include for all necessary installation of pipe, fittings & fixtures of air conditioning system shall be executed in conformance to the manufacturers specifications, to adhere with the owner's requirement and as per the drawings.				
	c) Contractor has to submit the shop drawings along with indoor and out door unit capacities.				
	d) Air Conditioner shall be ceiling cassette split type air-condition system as per approved shop drawings				
1.17.1	<u>Guard post</u>				
(1)	9000 BTU wall mount single split AC system.	1.00	Nos		
1.18	<u>Flag Post (refer detail)</u>				
(1)	As per the drawings construct a flag post. Rates must include all necessary works. (eg: ELECTRICAL WIRING , lighting etc.)	1.00	Item		
BILL No: 1 -BOUNDARY WALL					
TOTAL OF BILL No: 1 - Carried over to summary					

BILL No: 02					
<u>ADDITION</u> <u>General</u> a) Add all the Items to be included to BOQ into additions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.					
BILL No: 2 -ADDITION TOTAL OF BILL No: 2 - Carried over to summary					

BILL No: 03				
<u>OMISSION</u> <u>General</u> a) Add all the Items to be deleted from BOQ into omissions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.				
BILL No: 3 -OMISSION TOTAL OF BILL No: 3 - Carried over to summary				

INFRASTRUCTURE AND BUILDING DEVELOPMENT
MALDIVES POLICE SERVICE
MALE' REP OF MALDIVES.

PROJECT: CONSTRUCTION OF ADDU CITY REGIONAL HEADQUARTER / OFFICE BUILDING
CLIENT: MALDIVES POLICE SERVICE
LOCATION: S.FEYDHOO/ ADDU CITY
DATE: 23 MAY 2022

SUB-SUMMARY

Bill No	DESCRIPTION	AMOUNT (MVR)
1	BILL No: 01 - GROUND WORKS	
2	BILL No: 02 - CONCRETE	
3	BILL No: 03 - MASONRY AND PLASTERING	
4	BILL No: 04 - METAL & WOOD WORKS	
5	BILL NO: 05 - CEILINGS	
6	BILL NO: 06 -DOORS AND WINDOWS	
7	BILL No: 07 - FINISHES	
8	BILL No: 08 - PAINTING	
9	BILL No: 9 - HYDRAULIC AND DRAINAGE	
10	BILL No: 10 - ELECTRICAL	
11	BILL No: 11 -FURNITURE	
12	BILL No: 12 -ADDITIONS	
13	BILL No: 13 -OMISSIONS	
	GRAND TOTAL CARRIED OVER TO MAIN SUMMARY	

OFFICE BUILDING

Item	Description	Qty	Unit	Rate	Amount(MVR)
BILL No: 01					
	<u>GROUND WORKS</u>				
	<u>GENERAL</u>				
	(a) Rates must include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, back filling, consolidating and disposing surplus soil.				
1.1	<u>EXCAVATION</u>				
	Note: Excavation quantities are measured to the faces of concrete members. Rates must include for all additional excavation required to place the formwork/shuttering and dewatering the trenches for the required days.				
(1)	Excavation for Footing (F1)	13.87	m ³		
(2)	Excavation for Footing (F2)	11.88	m ³		
(3)	Excavation for Footing (F3)	18.72	m ³		
(4)	Excavation for Footing (F4)	52.49	m ³		
(5)	Excavation for Footing (F5)	17.42	m ³		
(6)	Excavation for Footing (F6)	31.75	m ³		
(7)	Excavation for Footing (F7)	17.33	m ³		
(8)	Excavation for Footing (F8)	9.80	m ³		
(9)	Excavation for Footing (F9)	5.18	m ³		
(10)	Excavation for Tie beam (TB1)	41.13	m ³		
(11)	Excavation for Tie beam (TB2 & TB3)	33.50	m ³		
(12)	Excavation for Stair starter beam	0.54	m ³		
1.2	<u>BACK FILLING</u>				
	Note:(a) Rates must include for levelling, grading, trimming, compacting and similar.				
	(b) Ground need to be compacted to the required density by the consultant.				
(1)	Earth filling for Footings and Tie Beam	116.63	m ³		
(2)	Well compacted earth filling under ground slab	155.29	m ³		
1.3	<u>DAMP PROOF MEMBRANE</u>				
1.3.1	Note: Rates must include for: dressing around and sealing to avoid all penetrations, laps and turnups.				
	Polythene damp proof membrane (500 gauge) under:-				
(1)	Footing (F1)	11.56	m ²		
(2)	Footing (F2)	9.90	m ²		
(3)	Footing (F3)	15.60	m ²		
(4)	Footing (F4)	43.74	m ²		
(5)	Footing (F5)	14.52	m ²		
(6)	Footing (F6)	26.46	m ²		
(7)	Footing (F7)	14.44	m ²		

(8)	Footing (F8)	8.17	m ²		
(9)	Footing (F9)	4.32	m ²		
(10)	Tie beam (TB1)	52.74	m ²		
(11)	Tie beam (TB2)	41.90	m ²		
(12)	Tie beam (TB3)	1.04	m ²		
(13)	Ground Slab	398.17	m ²		
(14)	Stair Starter Beam	0.72	m ²		
1.3.2	Apply 2 coats of Masterseal or similar brush bond damp proof membrane on all concrete and masonry plastered surfaces below ground level and up to 300mm finished floor level in accordance with manufacturer's instructions.				
(1)	Footing (F1)	17.34	m ²		
(2)	Footing (F2)	15.30	m ²		
(3)	Footing (F3)	17.32	m ²		
(4)	Footing (F4)	34.83	m ²		
(5)	Footing (F5)	16.06	m ²		
(6)	Footing (F6)	25.83	m ²		
(7)	Footing (F7)	16.53	m ²		
(8)	Footing (F8)	11.14	m ²		
(9)	Footing (F9)	7.56	m ²		
(10)	Tie beam (TB1)	101.25	m ²		
(11)	Tie beam (TB2)	83.81	m ²		
(12)	Tie beam (TB3)	1.85	m ²		
(13)	Stair Starter beam	7.80	m ²		
(14)	Below ground level and up to 300mm above floor level walls	130.26	m ²		
(15)	Lift wall	17.33	m ²		
BILL No: 01 - GROUND WORKS					
TOTAL OF BILL No: 01 - Carried over to summary					

BILL No: 02				
	<u>CONCRETE</u> <u>GENERAL</u> (a) Rates must include for: provision to place in position; casting of all required Items and finishing after removal of formwork and additional concrete required to conform to structural and excavated tolerances. (b) Rates must include supply of all formwork Item including form oil, timber, plywood, nails etc. (c) Mix ratio for reinforced concrete must be 1:2:4 and lean concrete must be 1:3:6 by volume.			
2.1	<u>LEAN CONCRETE</u> Note: Quantity is measured to the edges of concrete members. Rates must be inclusive of any additional concrete required to place the formwork.			
(1)	50mm thick lean concrete to Footings	148.71	m ²	
(2)	50mm thick lean concrete to bottom of Tie Beam	58.46	m ²	
(3)	50mm thick lean concrete to bottom of Stair starter beam	0.72	m ²	
2.2	<u>REINFORCED CONCRETE</u> Note: In-situ reinforced concrete to: Add water proofing compound to concrete mix for walls and cover slab below ground level.			
2.2.1	<u>Foundation</u>			
(1)	Footing (F1)	4.91	m ³	
(2)	Footing (F2)	4.21	m ³	
(3)	Footing (F3)	6.63	m ³	
(4)	Footing (F4)	18.59	m ³	
(5)	Footing (F5)	6.17	m ³	
(6)	Footing (F6)	11.25	m ³	
(7)	Footing (F7)	6.14	m ³	
(8)	Footing (F8)	3.47	m ³	
(9)	Footing (F9)	1.84	m ³	
(10)	Tie beam (TB1)	12.13	m ³	
(11)	Tie beam (TB2)	8.38	m ³	
(12)	Tie beam (TB3)	0.36	m ³	
(13)	Columns C1,	0.90	m ³	
(14)	Columns C2,	0.99	m ³	
(15)	Columns C3	0.33	m ³	
(16)	Columns C4	0.20	m ³	
(17)	Columns C5	0.17	m ³	
(18)	Columns C8	0.38	m ³	
(19)	Stair Starter beams	0.34	m ³	
(20)	Lift wall	1.73	m ³	

2.2.2	<u>Ground Floor</u>			
(1)	Columns C1,	3.47	m ³	
(2)	Columns C2,	3.82	m ³	
(3)	Columns C3	1.55	m ³	
(4)	Columns C4	0.92	m ³	
(5)	Columns C5	0.79	m ³	
(6)	Columns C8	2.32	m ³	
(7)	Ground Slab 75 mm	29.86	m ³	
(8)	Staircase including waist, raise, going, midlanding, etc.. up to first floor level.	6.92	m ³	
(9)	Lift wall	2.60	m ³	
2.2.3	<u>First Floor</u>			
(1)	Columns C1,	3.20	m ³	
(2)	Columns C2,	3.52	m ³	
(3)	Columns C3	1.50	m ³	
(4)	Columns C4	0.90	m ³	
(5)	Columns C5	0.26	m ³	
(6)	Columns C8	1.87	m ³	
(7)	150mm thick RCC Slab (including slab drop and kicker)	49.40	m ³	
(8)	160mm thick RCC Slab (including slab drop and kicker)	11.80	m ³	
(9)	Attached Beams B1	1.96	m ³	
(10)	Attached Beams B2	4.45	m ³	
(11)	Attached Beams B3	6.15	m ³	
(12)	Attached Beams B4	2.46	m ³	
(13)	Attached Beams B5	2.55	m ³	
(14)	Attached Beams B6	0.66	m ³	
(15)	Attached Beams B9	0.26	m ³	
(16)	100mm tk RCC balcony walls with border (refer detail)	5.56	m ³	
(17)	Staircase including waist, raise, going, midlanding, etc.. up to next floor level.	6.92	m ³	
(18)	Lift wall	2.60	m ³	
2.2.4	<u>Second Floor</u>			
(1)	Columns C1,	2.56	m ³	
(2)	Columns C2,	2.82	m ³	
(3)	Columns C3	1.12	m ³	
(4)	Columns C4	0.90	m ³	
(5)	Columns C5	0.26	m ³	
(6)	Columns C8	1.87	m ³	
(7)	150mm thick RCC Slab (including slab drop and kicker)	48.61	m ³	
(8)	160mm thick RCC Slab (including slab drop and kicker)	11.80	m ³	
(9)	Attached Beams B1	1.96	m ³	
(10)	Attached Beams B2	4.74	m ³	
(11)	Attached Beams B3	3.47	m ³	

(12)	Attached Beams B4	1.16	m ³		
(13)	Attached Beams B5	4.76	m ³		
(14)	Attached Beams B6	1.34	m ³		
(15)	Attached Beams B9	0.26	m ³		
(16)	100mm tk RCC balcony walls with border (refer detail)	4.59	m ³		
(17)	Staircase including waist, raise, going, midlanding, etc.. up to next floor level.	3.46	m ³		
(18)	Lift wall	2.60	m ³		
2.2.5	Third Floor				
(1)	Columns C1,	2.56	m ³		
(2)	Columns C2,	2.46	m ³		
(3)	Columns C3	1.12	m ³		
(4)	Columns C4	0.45	m ³		
(5)	Columns C5	0.26	m ³		
(6)	Columns C8	1.87	m ³		
(7)	150mm thick RCC Slab (including slab drop and kicker)	49.31	m ³		
(8)	160mm thick RCC Slab (including slab drop and kicker)	11.80	m ³		
(9)	Attached Beams B1	1.96	m ³		
(10)	Attached Beams B2	4.74	m ³		
(11)	Attached Beams B3	3.47	m ³		
(12)	Attached Beams B4	1.16	m ³		
(13)	Attached Beams B5	4.76	m ³		
(14)	Attached Beams B6	1.34	m ³		
(15)	Attached Beams B9	0.26	m ³		
(16)	100mm tk RCC balcony walls with border (refer detail)	7.30	m ³		
(17)	Staircase including waist, raise, going, midlanding, etc.. up to next floor level.	3.46	m ³		
(18)	Lift wall	2.90	m ³		
2.2.6	Roof Level				
(1)	Attached Beams B1	0.18	m ³		
(2)	Attached Beams B2	1.18	m ³		
(3)	Attached Beams B3	0.11	m ³		
(4)	Attached Beams B5	5.10	m ³		
(5)	Attached Beams B6	3.20	m ³		
(6)	Attached Beams B7	1.20	m ³		
(7)	Attached Beams B8	3.00	m ³		
(8)	Attached Beams B9	0.26	m ³		
(9)	Border 1 (refer detail)	9.24	m ³		
(10)	150mm thick RCC Slab (including slab drop)	61.24	m ³		

2.3	<u>FORMWORK</u>				
	Note: Rates must include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, Grounds, hangers, pipes and removal of formwork.				
2.3.1	<u>Foundation</u>				
(1)	Footing (F1)	5.78	m ²		
(2)	Footing (F2)	5.40	m ²		
(3)	Footing (F3)	9.52	m ²		
(4)	Footing (F4)	27.54	m ²		
(5)	Footing (F5)	11.22	m ²		
(6)	Footing (F6)	21.42	m ²		
(7)	Footing (F7)	12.92	m ²		
(8)	Footing (F8)	8.42	m ²		
(9)	Footing (F9)	6.12	m ²		
(10)	Tie beam (TB1)	105.47	m ²		
(11)	Tie beam (TB2 & TB3)	85.89	m ²		
(12)	Columns C1,	11.70	m ²		
(13)	Columns C2,	12.87	m ²		
(14)	Columns C3	4.38	m ²		
(15)	Columns C4	3.08	m ²		
(16)	Columns C5	3.36	m ²		
(17)	Columns C8	9.24	m ²		
(18)	Stair Starter beams	7.80	m ²		
(19)	Lift wall	17.33	m ²		
2.3.2	<u>Ground Floor</u>				
(1)	Columns C1,	45.11	m ²		
(2)	Columns C2,	49.62	m ²		
(3)	Columns C3	20.63	m ²		
(4)	Columns C4	14.52	m ²		
(5)	Columns C5	15.84	m ²		
(6)	Columns C8	45.80	m ²		
(7)	75mm thick ground slab	6.51	m ²		
(8)	Staircase including waist, raise, going, midlanding, etc.. up to first floor level.	42.80	m ²		
(9)	Lift wall	34.65	m ²		
2.3.3	<u>First Floor</u>				
(1)	Columns C1,	41.60	m ²		
(2)	Columns C2,	45.76	m ²		
(3)	Columns C3	20.00	m ²		
(4)	Columns C4	14.08	m ²		
(5)	Columns C5	5.12	m ²		
(6)	Columns C8	45.80	m ²		
(7)	150mm thick RCC Slab (including slab drop and kicker)	299.50	m ²		

(8)	160mm thick RCC Slab (including slab drop and kicker)	73.72	m ²		
(9)	Attached Beams B1	19.14	m ²		
(10)	Attached Beams B2	46.68	m ²		
(11)	Attached Beams B3	68.32	m ²		
(12)	Attached Beams B4	32.10	m ²		
(13)	Attached Beams B5	33.18	m ²		
(14)	Attached Beams B6	8.63	m ²		
(15)	Attached Beams B9	3.43	m ²		
(16)	100mm tk RCC balcony walls with border (refer detail)	100.04	m ²		
(17)	Staircase including waist, raise, going, midlanding, etc.. up to next floor level.	42.80	m ²		
(18)	Lift wall	34.65	m ²		
2.3.4	<u>Second Floor</u>				
(1)	Columns C1,	38.40	m ²		
(2)	Columns C2,	42.24	m ²		
(3)	Columns C3	17.60	m ²		
(4)	Columns C4	14.08	m ²		
(5)	Columns C5	5.12	m ²		
(6)	Columns C8	45.80	m ²		
(7)	150mm thick RCC Slab (including slab drop and kicker)	299.50	m ²		
(8)	160mm thick RCC Slab (including slab drop and kicker)	73.72	m ²		
(9)	Attached Beams B1	19.14	m ²		
(10)	Attached Beams B2	49.78	m ²		
(11)	Attached Beams B3	44.63	m ²		
(12)	Attached Beams B4	15.17	m ²		
(13)	Attached Beams B5	61.98	m ²		
(14)	Attached Beams B6	17.45	m ²		
(15)	Attached Beams B9	3.43	m ²		
(16)	100mm tk RCC balcony walls with border (refer detail)	82.65	m ²		
(17)	Staircase including waist, raise, going, midlanding, etc.. up to next floor level.	30.14	m ²		
(18)	Lift wall	34.65	m ²		
2.3.5	<u>Third Floor</u>				
(1)	Columns C1,	38.40	m ²		
(2)	Columns C2,	38.72	m ²		
(3)	Columns C3	17.60	m ²		
(4)	Columns C4	7.04	m ²		
(5)	Columns C5	5.12	m ²		
(6)	Columns C8	45.80	m ²		
(7)	150mm thick RCC Slab (including slab drop and kicker)	299.50	m ²		
(8)	160mm thick RCC Slab (including slab drop and kicker)	73.72	m ²		
(9)	Attached Beams B1	19.14	m ²		

(10)	Attached Beams B2	49.78	m ²		
(11)	Attached Beams B3	44.63	m ²		
(12)	Attached Beams B4	15.17	m ²		
(13)	Attached Beams B5	61.98	m ²		
(14)	Attached Beams B6	17.45	m ²		
(15)	Attached Beams B9	3.43	m ²		
(16)	100mm tk RCC balcony walls with border (refer detail)	131.36	m ²		
(17)	Staircase including waist, raise, going, midlanding, etc.. up to next floor level.	30.14	m ²		
(18)	Lift wall	38.61	m ²		
2.3.6	<u>Roof Level</u>				
(1)	Attached Beams B1	1.77	m ²		
(2)	Attached Beams B2	12.39	m ²		
(3)	Attached Beams B3	1.46	m ²		
(4)	Attached Beams B5	66.39	m ²		
(5)	Attached Beams B6	41.74	m ²		
(6)	Attached Beams B7	13.07	m ²		
(7)	Attached Beams B8	38.55	m ²		
(8)	Attached Beams B9	3.43	m ²		
(9)	Border 1 (refer detail)	138.62	m ²		
(10)	150mm thick RCC Slab (including slab drop)	373.50	m ²		
2.4	<u>REINFORCEMENT</u>				
	Note: (a) Rates must include for: cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including Ground wire and chair supports, laps and wastage.				
	(b) All reinforcing bars except 6mm dia bars must be high strength deformed bars.				
	(c) The exact length exclusive of laps are given. The rates must take into account laps and any wastage.				
2.4.1	<u>Foundation</u>				
	<u>Pad Footings (F1,F2,F3,F4,F5,F6,F7,F8 & F9)</u>				
(1)	16 mm dia. bars	1.63	t		
	<u>Tie beam (TB1 TB2 & TB3)</u>				
(2)	16 mm dia. Bars	2.03	t		
(3)	12 mm dia. bars	0.40	t		
(4)	6 mm dia. bars	0.65	t		
	<u>Columns (C1, C2, C3, C4, C5, & C8)</u>				
(5)	20 mm dia. bars in columns	0.42	t		
(6)	16 mm dia. bars in columns	0.13	t		
(7)	12 mm dia. bars in columns	0.07	t		
(7)	10 mm dia. bars in columns	0.04	t		
(8)	6 mm dia. bars in columns	0.13	t		

	<u>Stair starter</u>				
(9)	12mm dia. bars in stair case	0.16	t		
	<u>Lift wall</u>				
(10)	12mm dia. Bars	0.10	t		
2.4.2	<u>Ground Floor</u>				
	<u>Columns (C1, C2, C3, C4, C5, & C8)</u>				
(1)	20 mm dia. bars in columns	1.61	t		
(2)	16 mm dia. bars in columns	0.59	t		
(3)	12 mm dia. bars in columns	0.15	t		
(4)	10 mm dia. bars in columns	0.08	t		
(5)	6 mm dia. bars in columns	0.57	t		
	<u>RCC slab</u>				
(6)	10 mm dia. bars in slabs	1.97	t		
	<u>Staircase</u>				
(7)	12 mm dia. bars in stair case	0.62	t		
	<u>Lift wall</u>				
(8)	12mm dia. Bars	0.21	t		
2.4.3	<u>First Floor</u>				
	<u>Columns (C1, C2, C3, C4, C5, & C8)</u>				
(1)	20 mm dia. bars in columns	1.61	t		
(2)	16 mm dia. bars in columns	0.59	t		
(3)	12 mm dia. bars in columns	0.15	t		
(4)	10 mm dia. bars in columns	0.08	t		
(5)	6 mm dia. bars in columns	0.57	t		
	<u>Beams (All beams)</u>				
(6)	25 mm dia. bars in beams	0.36	t		
(7)	20 mm dia. bars in beams	1.21	t		
(8)	16 mm dia. bars in beams	2.17	t		
(9)	12 mm dia. bars in beams	0.32	t		
(10)	6 mm dia. bars in beams	0.94	t		
	<u>RCC slab</u>				
(11)	10 mm dia. bars in slabs	7.10	t		
	<u>RCC Balcony Wall</u>				
(12)	12 mm dia. bars in balcony wall with border	0.96	t		
	<u>Staircase</u>				
(13)	12 mm dia. bars in stair case	0.62	t		
	<u>Lift wall</u>				
(14)	12mm dia. Bars	0.21	t		
2.4.4	<u>Second Floor</u>				
	<u>Columns (C1, C2, C3, C4, C5, & C8)</u>				
(1)	16 mm dia. bars in columns	1.37	t		
(2)	12 mm dia. bars in columns	0.15	t		
(3)	10 mm dia. bars in columns	0.08	t		
(4)	6 mm dia. bars in columns	0.52	t		

	<u>Beams (All beams)</u>				
(5)	25 mm dia. bars in beams	0.35	t		
(6)	20 mm dia. bars in beams	1.27	t		
(7)	16 mm dia. bars in beams	1.92	t		
(8)	12 mm dia. bars in beams	0.28	t		
(9)	6 mm dia. bars in beams	0.94	t		
	<u>RCC slab</u>				
(10)	10 mm dia. bars in slabs	6.99	t		
	<u>RCC Balcony Wall</u>	0.00			
(11)	12 mm dia. bars in balcony wall with border	0.80	t		
	<u>Staircase</u>				
(12)	12 mm dia. bars in stair case	0.34	t		
	<u>Lift wall</u>				
(13)	12mm dia. Bars	0.21	t		
2.4.5	<u>Third Floor</u>				
	<u>Columns (C1, C2, C3, C4, C5, & C8)</u>				
(1)	16 mm dia. bars in columns	1.30	t		
(2)	12 mm dia. bars in columns	0.15	t		
(3)	10 mm dia. bars in columns	0.08	t		
(4)	6 mm dia. bars in columns	0.49	t		
	<u>Beams (All beams)</u>				
(5)	25 mm dia. bars in beams	0.35	t		
(6)	20 mm dia. bars in beams	1.59	t		
(7)	16 mm dia. bars in beams	2.13	t		
(8)	12 mm dia. bars in beams	0.28	t		
(9)	6 mm dia. bars in beams	0.94	t		
	<u>RCC slab</u>				
(10)	10 mm dia. bars in slabs	6.89	t		
	<u>RCC Balcony Wall</u>				
(11)	12 mm dia. bars in balcony wall with border	1.27	t		
	<u>Staircase</u>				
(12)	12 mm dia. bars in stair case	0.34	t		
	<u>Lift wall</u>				
(13)	12mm dia. Bars	0.21	t		
2.4.6	<u>Roof Level</u>				
	<u>Roof Beams & border 1</u>				
(1)	25 mm dia. bars in beams	0.08	t		
(2)	20 mm dia. bars in beams	0.37	t		
(3)	16 mm dia. bars in beams	1.92	t		
(4)	12 mm dia. bars in beams	1.99	t		
(5)	6 mm dia. bars in beams	0.65	t		
	<u>Roof Slab</u>				
(6)	10 mm dia. bars in slab	6.96	t		

2.5	<u>OTHER CONCRETE WORKS</u>				
2.5.1	<u>RCC Well</u>				
(1)	1500mm dia RCC ground water well 1.2m depth of water level as per the instruction given in the drawing all necessary pipe connections and all related works.	1.00	Item		
2.5.2	<u>RCC Lintel and Sill Beams</u>				
(1)	As per the drawings lintel beams on all doors and windows, sill beam under the windows shown in the sectional drawings with the reinforcement, shuttering, plastering, etc.....	1.00	Item		
2.5.3	<u>Wash Basin Counter (Mess Room)</u>				
(1)	As per the drawings RCC wash basin counter. Allow for holes for basin with finishing works (Rate must include all necessary work to complete.)	1.00	Item		
2.5.4	<u>RCC Counters</u>				
(1)	Counter 1 with finishing works as per detailed drawings. (Rates must include for completion of all necessary works)	1.00	Item		
(2)	Counter 2 in ground floor kitchen. Allow for holes for sink with finishing works as per detailed drawings. (Rates must include for completion of all necessary works)	1.00	Item		
(3)	Counter 3 with finishing works as per detailed drawings. (Rates must include for completion of all necessary works)	4.00	Item		
(4)	Counter 4 with finishing works as per detailed drawings. (Rates must include for completion of all necessary works)	18.00	Item		
(5)	Counter 5 with finishing works as per detailed drawings. (Rates must include for completion of all necessary works)	2.00	Item		
(6)	Counter 6 with finishing works as per detailed drawings. (Rates must include for completion of all necessary works)	1.00	Item		
(7)	Counter 7 with finishing works as per detailed drawings. (Rates must include for completion of all necessary works)	1.00	Item		
2.5.5	<u>RECEPTION COUNTER</u>				
(1)	Reception counter with finishing works as per detailed drawings. (Rates must include for completion all necessary works)	1.00	Item		
2.5.6	Apply 2 coats of Masterseal or similar brush bond water proof membrane on all concreted RCC walls in accordance with manufacturer's instructions.				
(1)	Balcony Slabs, Portico, terrace & toilet up to 300mm from surrounding	332.24	m ²		
(2)	Roof slab up to 450mm from surrounding	445.12	m ²		
BILL No: 02 - CONCRETE					
TOTAL OF BILL No: 02 - Carried over to summary					

BILL No: 03				
<u>MASONRY AND PLASTERING</u>				
<u>GENERAL</u>				
(a) Rates must include for: blocks, cutting or leaving holes and openings as recesses, building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames.				
(b) Mix ratio for Plastering & masonry must be 1:4 Cement Mortar, Ground rods, compression gap filler, nylon / plastic mesh as specified.				
3.1	<u>ALL EXTERNAL WALLS</u>			
3.1.1	<u>150mm thick solid block wall</u>			
(1)	Under ground	33.00	m ²	
(2)	Ground floor	250.00	m ²	
(3)	First floor	257.60	m ²	
(4)	Second floor	257.60	m ²	
(5)	Third floor	257.60	m ²	
3.2	<u>ALL INTERNAL WALLS</u>			
3.2.1	<u>150mm thick hollow brick walls</u>			
(1)	Ground floor	500.90	m ²	
(2)	First floor	460.08	m ²	
(3)	Second floor	474.76	m ²	
(4)	Third floor	381.00	m ²	
3.3	<u>PLASTERING</u>			
3.3.1	a) 30mm thick cement plastering (15mm rough layer & 15mm top layer) on EXTERNAL WALLS and concrete surfaces with 1:4 Cement mortar mix as specified incl. wire mesh at joints of concrete surfaces and walls (first, second coats).			
(1)	Under ground	66.00	m ²	
(2)	Ground floor	250.00	m ²	
(3)	First floor	257.60	m ²	
(4)	Second floor	257.60	m ²	
(5)	Third floor	257.60	m ²	
(6)	Border-1 & Balcony Walls (both side)	457.33	m ²	
3.3.2	Note: 15mm Thick cement plastering on all INTERNAL WALLS and concrete surface with 1:4 cement mortar mix as specified incl. wire mesh at joints of concrete surfaces and walls (one coat).			
(1)	Ground floor	1251.80	m ²	
(2)	First floor	1177.76	m ²	
(3)	Second floor	1207.12	m ²	
(4)	Third floor	1019.60	m ²	
3.4	<u>CEMENT SCREED FINISH</u>			
Note: 50mm Thick cement screed on the concrete floor with 1:4 cement mortar mix incl. float finish to receive the tiles.				
(1)	Ground floor	398.17	m ²	
(2)	First floor	417.94	m ²	
(3)	Second floor	414.52	m ²	
(4)	Third floor	414.52	m ²	
(5)	Roof floor	403.54	m ²	
BILL No: 03 - MASONRY AND PLASTERING				
TOTAL OF BILL No: 03 - Carried over to summary				

BILL No: 04				
<u>METAL & WOOD WORKS</u>				
<u>GENERAL</u>				
a) Rates must include for: all fabrication work, welding, marking, drilling for bolts incl. steel Flanges, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws.				
b) Rates must include for fabrication and erection and temporary supports and fixing into position.				
4.1	<u>Moveable Folding Partition</u>			
Top, bottom and corner seals for the function of the seal between the false ceiling & the top of the panel have perfect connections to stop the sound pass through. Layers rubber seal ensure a high and perfect sound insulation performance with aluminum frame				
(1)	First floor (Refer Details)	8.93	m	
4.2	<u>KITCHEN WALL CABINET AND COUNTER BASE CABINET</u>			
As per the drawings make a wall mount and base cabinets fixed on ground floor kitchen. Rates must include completion of all necessary works.				
(1)	Wall mount cabinet 1	1.00	Item	
(2)	Wall mount cabinet 2	1.00	Item	
(3)	Wall mount cabinet 3	1.00	Item	
(4)	Base Cabinet	1.00	Item	
4.3	<u>STAIR RAILING (Refer details)</u>			
(1)	50mm dia. SS Pipe post (Refer Details)	48.00	m	
(2)	50 mm dia SS pipe	32.00	m	
(3)	25 mm dia SS pipe	147.60	m	
4.4	Steel Rack in kitchen storage as per the drawings including all necessary fittings for complete installation.	1.00	Item	
4.5	Steel Rack in Evidence room as per the drawings including all necessary fittings for complete installation.	1.00	Item	
4.6	Wall fix SS ladder of 38mm dia SS pipe as shown in the drawings (start from 3rd floor to roof slab)	2.00	Nos	
4.7	Design and built of an industrial grade hood system size 2000mm x 600mm (SS 316) including duct, in-let fan, out-let fan and main exhaust fan (Kitchen)	1.00	Nos	
4.8	Design and built of an industrial grade hood system size 1500mm x 600mm (SS 316) including duct, in-let fan, out-let fan, hepa filter, activated carbon filter, pre filter and main exhaust fan (Forensic room)	1.00	Nos	
4.9	CCTV Camera pole wall mounted (as per drawing detail)	4.00	Nos	
BILL No: 04 - METAL & WOOD WORKS				
TOTAL OF BILL No: 04 - Carried over to summary				

BILL No: 05				
	<u>CEILING</u> <u>GENERAL</u> Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and timber beading, etc..... similar nail and screws. b) Rates shall include for joint filling putty and all other necessary works			
5.1	<u>ALUMINIUM FRAME GYPSUM BOARD CEILING</u> 9mm thk. Gypsum Board Ceiling System with 0.6-1.0mm tk Aluminum framing @600mm c/c both ways and smoothed with putty & painted including framing, beading, nails and screws.			
(1)	Ground Floor with drop ceiling	348.27	m ²	
(2)	First Floor	353.70	m ²	
(3)	Second floor	327.04	m ²	
(4)	Third floor	353.64	m ²	
5.2	<u>ALUMINIUM FRAME CEMENT BOARD CEILING</u> 6mm thk. Cement/Smart Board Ceiling System with 0.6-1.0mm tk Aluminum framing @600mm c/c both ways and smoothed with putty including beading, nails and screws.			
(1)	Ground Floor	53.32	m ²	
(2)	First Floor	60.82	m ²	
(3)	Second floor (including Laundry room)	87.48	m ²	
(4)	Third floor	49.90	m ²	
5.3	<u>CEILING ACCESS PANEL</u> 450 x450mm access panel. Rates must include all necessary framing, screws, hook etc.			
(1)	Ground Floor	16.00	Nos	
(2)	First Floor	16.00	Nos	
(3)	Second floor	16.00	Nos	
(4)	Third floor	16.00	Nos	
BILL NO: 05 - CEILINGS TOTAL OF BILL No: 05 - Carried over to summary				

BILL NO: 06				
<u>DOORS, WINDOWS AND CURTAIN</u>				
6.1	<u>GENERAL</u>			
	(a) Rates must include for locks, latches, closures, push plates, pull handles, bolts, kick plates, hinges, door closer, door stoppers and all door & window hardware.			
	(b) Rates must include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boarding, framing, lining, fastenings and all fixings.			
	(c) All Aluminum door and windows must be 60-80 micron aluminum.			
	(d) All Timber doors must Solid timber paneled door with paint finish.			
	(e) Rates must include application of wood putty in all timber door units to receive 2 coats of painting.			
	(f) All Windows Glazing must be 6-12mm blue reflective glass. (see door and window schedule)			
6.1.1	<u>Aluminum door units</u>			
(1)	Door D01	4.00	Nos	
(2)	Door D08	4.00	Nos	
(3)	Door SD1	4.00	Nos	
(4)	Shower curtain	2.00	Nos	
6.1.2	<u>Timber door units</u>			
(1)	Door D02	5.00	Nos	
(2)	Door D03	36.00	Nos	
(3)	Door D04	4.00	Nos	
(4)	Door D07	9.00	Nos	
(5)	Door SD2	2.00	Nos	
(6)	Door PD1	16.00	Nos	
6.1.3	<u>Glass blocks</u>			
(1)	GB	4.00	Nos	
6.1.4	<u>Fiber doors</u>			
(1)	Door D05	34.00	Nos	
(2)	Door D06	4.00	Nos	
6.1.5	<u>Steel and shatter proof glass doors</u>			
(1)	Door D09	2.00	Nos	
6.1.5	<u>Aluminum window units</u>			
(1)	Window W01	41.00	Nos	
(2)	Window V01	28.00	Nos	
(3)	Fixed Glass MG	1.00	Nos	
(4)	Fixed Glass FW1	24.00	Nos	
(5)	Fixed Glass FW2	16.00	Nos	
6.1.6	<u>Grill units</u>			
(1)	GR2	10.00	Nos	
(2)	GR3	6.00	Nos	
(3)	GR15	1.00	Nos	
(4)	GR22	2.00	Nos	
(5)	Safety grill Window W01	1.00	Nos	
(6)	Safety grill Window V01	1.00	Nos	

	<p><u>CURTAIN , BLINDS & STICKER</u></p> <p>6.2 <u>GENERAL</u> Note: Supply and fixing of blind and curtain. Rates must include for all accessories and completion of all necessary works. Specifications manufactures details must be submitted for consultants approval.</p> <p>6.2.1 <u>Vertical BLINDS (REFER DETAIL)</u> (1) BL1 (FOR WINDOWS) 19.00 Nos (2) VB1 (FOR DOORS) 8.00 Nos</p> <p>6.2.3 <u>CURTAIN WITH SHEER PANEL</u> (1) CU1 5.00 Nos (2) CU2 9.00 Nos (3) CU3 3.00 Nos</p> <p>6.2.4 <u>FROST STICKER</u> (1) FS 4.00 Nos</p>				
BILL NO: 06 -DOORS AND WINDOWS TOTAL OF BILL No: 06 - Carried over to summary					

BILL NO: 07				
	<u>FINISHES</u>			
	<u>GENERAL</u>			
	Rates for tiling must include for: fixing, bedding, grouting, Pointing, finishing and any other similar works to ensure the required finish.			
	Color combination of tiles, pattern and texture may vary.			
7.1	<u>FLOOR FINISHES</u>			
7.1.1	<u>Ground Floor</u>			
(1)	300x300mm porcelain tiles	18.40	m ²	
(2)	600x600mm porcelain tiles	214.04	m ²	
(3)	600x600mm non-skid porcelain tiles	133.13	m ²	
(4)	300x300mm non-skid porcelain tiles	16.20	m ²	
(5)	300x600mm porcelain tiles on toilet walls and kitchen basin side (ceiling height)	109.20	m ²	
(6)	Non-skid porcelain tiles with porcelain nosing strip on stair (staircase tiles)	16.47	m ²	
7.1.2	<u>First Floor</u>			
(1)	600x600mm porcelain tiles	330.56	m ²	
(2)	600x600mm non-skid porcelain tiles	53.92	m ²	
(3)	300x300mm non-skid porcelain tiles	13.64	m ²	
(4)	300x600mm porcelain tiles on toilet walls (ceiling height)	70.20	m ²	
(5)	Non-skid porcelain tiles with porcelain nosing strip on stair (staircase tiles)	16.47	m ²	
7.1.3	<u>Second Floor</u>			
(1)	600x600mm porcelain tiles	310.30	m ²	
(2)	600x600mm non-skid porcelain tiles (included laundry room)	68.82	m ²	
(3)	300x300mm non-skid porcelain tiles	33.52	m ²	
(4)	300x600mm porcelain tiles on toilet walls (ceiling height)	217.50	m ²	
(5)	Non-skid porcelain tiles with porcelain nosing strip on stair (staircase tiles)	8.24	m ²	
7.1.4	<u>Third Floor</u>			
(1)	600x600mm porcelain tiles	335.57	m ²	
(2)	600x600mm non-skid porcelain tiles	41.17	m ²	
(3)	300x300mm non-skid porcelain tiles	29.56	m ²	
(4)	300x600mm porcelain tiles on toilet walls and ablution area (ceiling height)	198.00	m ²	
(5)	Non-skid porcelain tiles with porcelain nosing strip on stair (stair case tiles)	8.24	m ²	
7.2.1	<u>Tile Skirting</u>			
	Note: Rates must include for: Cutting and installation of 100mm height tile skirting. Fix as per manufactures instructions.			
(1)	Ground Floor	31.00	m	
(2)	Ground Floor	274.40	m	
(3)	First Floor	295.63	m	
(4)	Second Floor	292.00	m	
(5)	Third Floor	254.40	m	
BILL No: 07 - FINISHES				
TOTAL OF BILL No: 07 - Carried over to summary				

BILL No: 08					
	<u>PAINTING</u> <u>GENERAL</u> (a) Rates must include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, (b) All painting work must be carried in accordance with the Specifications of "SAMHWA PAINT or Equivalent".				
8.1	<u>WALLS / CONCRETE SURFACES</u>				
8.1.1	Note: Oil based emulsion paint system with textured finish on plastered and concrete surfaces of all EXTERNAL WALL. Rates must include 2 coat of wall sealer, 1 coat of textured and 2 coat of paint.				
(1)	Ground floor	250.00	m ²		
(2)	First floor	257.60	m ²		
(3)	Second floor	257.60	m ²		
(4)	Third floor	257.60	m ²		
(5)	Border-1 & Balcony Walls (both side)	457.33	m ²		
8.1.2	<u>WALLS</u> Note: Emulsion paint matt finish surfaces of all INTERNAL WALL. Rates must include putty , 2 coat of wall sealer 2 coat of paint.				
(1)	Ground floor	1251.80	m ²		
(2)	First floor	1177.76	m ²		
(3)	Second floor	1207.12	m ²		
(4)	Third floor	1019.60	m ²		
8.2	<u>CEILING / SOFFIT OF SLAB</u> Note: Emulsion paint oil based finish surfaces of all EXTERIOR CEILING and Emulsion paint matt finish surfaces of all INTERIOR CEILING . Rate must include putty , 1 coat of wall sealer and 2 coat of paint.				
8.2.1	<u>Gypsum Ceiling</u>				
(1)	Ground Floor with drop ceiling	348.27	m ²		
(2)	First Floor	353.70	m ²		
(3)	Second floor	327.04	m ²		
(4)	Third floor	353.64	m ²		
8.2.2	<u>Cement board Ceiling</u>				
(1)	Ground Floor	53.32	m ²		
(2)	First Floor	60.82	m ²		
(3)	Second floor (including Laundry room)	93.78	m ²		
(4)	Third floor	49.90	m ²		
BILL No: 08 - PAINTING					
TOTAL OF BILL No: 08 - Carried over to summary					

BILL No: 9				
<u>HYDRAULICS & DRAINAGE</u>				
<u>GENERAL</u>				
(a) Rates must include for sockets, running joints, connectors, elbows, junctions, valves, reducers, expansion joints, backmost and similar, incidental fittings, clips saddles, brackets, straps, hangers, screws, nails and fixing complete, including cutting and forming holes, excavating, laying pipes and backfilling trenches.				
(b) All pipe work and fittings must be high pressure UPVC.				
(c) Rates must include for supply and fixing of all pipes.				
d) The Contractor must submit shop drawing for the entire installation, including installation details for all items required for approval of the Consultant.				
e) Record drawing During Construction; the Contractor must keep an accurate record of all deviations between the work as shown on the Contract Drawings and that which is actually installed				
f) The Contractor must make a complete record of all changes and revisions in the original design which exist in the completed work, and submit the drawings after completion of project.				
9.1	<u>MAIN CONNECTION</u>			
(1)	Allow for Fresh water main connection, incl. all necessary works.	1.00	item	
(2)	Allow for Sewage main connection, incl. all necessary works.	1.00	item	
(3)	Supply and fixing of water meter, incl. all necessary works.	1.00	item	
9.2	<u>PIPE WORK</u>			
(1)	Allow for ground water connection and internal pipe works well to all toilets, laundry inc. supply and laying of all pipe works.	1.00	Item	
(2)	Allow for fresh water connection to all toilets, laundry, kitchen and counters inc. supply and laying of all pipes.	1.00	Item	
9.3	<u>SANITARY FIXTURES & ACCESSORIES</u>			
Note: (a) Sanitary fixtures complete including brackets, stop valves, fittings etc.				
(b) All sanitary fittings must be of 'COTTO' or Equivalent".				
(c) All fixtures must be of 'COTTO' or Equivalent".				
(d) All pipes must be of 'UPVC' .				

(1)	Water Closets	17.00	Nos		
(2)	Wash Basins with stand	1.00	Nos		
(2)	Wash Basins	21.00	Nos		
(3)	Head shower set (with hand shower)	12.00	Nos		
(4)	Mirror with accessories	16.00	Nos		
(5)	SS floor drain	54.00	Nos		
(6)	Muslim Shower	17.00	Nos		
(7)	Stop Valves	58.00	Nos		
(8)	Wash Basin Taps	22.00	Nos		
(9)	Tap	25.00	Nos		
(10)	Two Bowl sink	2.00	Nos		
(11)	Sink Taps	4.00	Nos		
(12)	Towel hanger	12.00	Nos		
(13)	Top mount chemical resistant sink with taps	2.00	Nos		
9.3.1	<u>SANITARY FIXTURES & ACCESSORIES</u>				
	Note: (a)Sanitary fixtures complete including brackets, stop valves, fittings etc.				
	(b)All sanitary fittings must be 'GROHE'.				
	(c)All fixtures must be 'GROHE'				
	(d) All pipes must be of 'UPVC' .				
	(d) All pipes for hot water connection must be of 'CPVC' .				
(1)	Water Closets	4.00	Nos		
(2)	Wash Basins	4.00	Nos		
(3)	Shower set with bath mixer, hose, hand shower, and head shower.	4.00	Nos		
(4)	Muslim Shower	4.00	Nos		
(5)	Stop Valves	8.00	Nos		
(6)	Wash Basin Taps	4.00	Nos		
(7)	Tap	4.00	Nos		
(8)	Towel hanger	4.00	Nos		

9.4	<u>PUMPING SYSTEM</u> Note: Supply and installation of appropriate capacity water pump (fresh water and ground water) complete pump system with automatic control board including connecting valves to pipework and electricity as per requirements "Davy, Grundfos or equivalent".				
(1)	For Ground Water Connection	1.00	Nos		
(2)	Booster pump as per MWSC recommendation	1.00	Nos		
9.5	<u>DRAINAGE</u> Note: (a) Rates must include for excavation, maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion joints and all joints and other incidental materials. (b) All pipework must be UPVC				
9.4.1	<u>Discharge pipe work</u>				
(1)	All pipe connection from fixtures and up to the inspection chamber.	1.00	Item		
(2)	Connecting to the Septic tank/sewage pipe	1.00	Item		
(3)	Supply and fixing of water meter, incl. all necessary works.	1.00	item		
9.5	<u>Inspection chamber</u>				
(1)	RCC Inspection Chambers (1000 x1000x600) for toilets	3.00	Nos		
(2)	SOAK pit (refer detail)	3.00	Nos		
9.6	<u>RCC Oil trap for kitchen</u>				
(1)	RCC Oil trap (MWSC standard). Rates must include all necessary works	1.00	Item		
9.7	<u>Rain water discharge pipe</u>				
(1)	75mm ø UPVC Rainwater down pipe from roof to soak pit	1.00	item		
BILL No: 9 - HYDRAULIC AND DRAINAGE					
TOTAL OF BILL No: 9 - Carried over to summary					

BILL No: 10			
<u>ELECTRICAL & SPECIFIC INSTALLATIONS</u>			
<u>GENERAL</u>			
(a) Design, provide and install electrical network for the entire building complete in accordance to the standards set by the local governing body			
(b) Rates must include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories			
(c) Rates for work in trench must include for: excavation, maintaining faces of excavations, backfilling, compaction, appropriate cable covers, warning tape and disposal of surplus spoil.			
(d) Rates for electrical isolators, conduits, fittings, equipment and similar Items must include for: all fixings to various building surfaces.			
(e) Light end and switch end of wiring together measured as one Point.			
(f) A Point wiring for power Points is measured as one Point for each socket outlet; other end of wire is not included in the quantity.			
(g) Rates must include for supply and complete installation.			
(h) The Contractor must submit shop drawing for the entire installation, including installation details for all items required for approval of the Consultant.			
(i) Record drawing During Construction; the Contractor must keep an accurate record of all deviations between the work as shown on the Contract Drawings and that which is actually installed			
(j) The Contractor must make a complete record of all changes and revisions in the original design which exist in the completed work, and submit the electrical shop drawings after completion of project.			
10.1	<u>MAIN CONNECTIONS</u>		
(1)	Allow for connection to electrical mains from out side substation to main panel board.	1.00	Item
(2)	Allow for connection to electrical mains from main panel board to floor distribution boards.	1.00	Item
(3)	Allow connection to electrical main from out side substation to kitchen electrical meter	1.00	Item
10.2	<u>CABLE TRAYS & CABLE TRENCH</u>		
(1)	Supply and installation of powder coated cable trays for electric conduit, data cables and aircondition pipes above ceiling as specified in the drawings.	1.00	Item
(2)	Construction of cable trenches in ground floor for electrical mains.	1.00	Item

10.3	<u>ELECTRICAL BOARDS</u> Note: Complete installation, including for all connections, earthing, painting, testing and similar of:				
(1)	3 Phase Panel Board with meter	1.00	Nos		
(2)	3 Phase Distribution Board	24.00	Nos		
(3)	3 Phase Distribution Board with meter (kitchen)	1.00	Nos		
10.4	<u>ELECTRICAL WIRING</u> Note: Electrical wiring with copper conductor cable in conduits in walls and concrete as per government regulations including necessary D-boards at each level.				
(1)	Wiring to Lights and fans.	501.00	Points		
(2)	Wiring to Socket outlets.	256.00	Points		
10.5	<u>LIGHTING</u> Note: All lights must be of 'PHILIPS brand or equivalent', all switches, sockets etc. must be 'LEGRAND brand or equivalent'.				
(1)	One way switch (2G)	64.00	Nos		
(2)	One way switch (3G)	17.00	Nos		
(3)	One way switch (4G)	25.00	Nos		
(4)	Ceiling mount exhaust fan (6inch x 8 inch) KDK or equivalent	21.00	Nos		
(5)	Ceiling recessed 18w LED light	196.00	Nos		
(6)	Ceiling recessed 18w LED light (weather proof)	38.00	Nos		
(7)	wall fixed 12w LED light	18.00	Nos		
(8)	wall fixed weather proof 12w LED light	10.00	Nos		
(9)	Flat 60w LED panel (600X600mm)	107.00	Nos		
(10)	Motion sensor LED light 12W	4.00	Nos		
(11)	300w flood light	6.00	Nos		
(12)	Emergency light (wall mount LED light provide 13A single	20.00	Nos		
(13)	Power socket 2.4m, 13A (2G)	17.00	Nos		
(14)	Power socket 1.2m, 13A (2G)	19.00	Nos		
(15)	Power socket 0.3m, 13A (2G)	138.00	Nos		
(16)	Power socket weather proof 0.3m, 13A (2G)	14.00	Nos		
(17)	Power socket weather proof 1.2m, 13A (2G)	12.00	Nos		
(18)	Power socket 1.2m, 15A (2G)	7.00	Nos		
(19)	Power socket weather proof 2.4m , 15A (1G,)	8.00	Nos		
(20)	Garden light long pole 2.4m	16.00	Nos		
10.6	<u>CABLE TV EXTENSION</u> Note: Cable TV extension as per the drawings and from the concern authorities rules and regulations including all the connections and required				
(1)	Cable TV sockets outlets	10.00	Nos		

10.7	<u>IT NETWORK</u> Provide & install with all necessary wiring, fittings & accessories IT Network System for the entire building as per drawings, specifications & contractor's shop drawings subject to consultants approval.				
(1)	Internet outlet extension sockets (double gang with separate cable)	72.00	Nos		
(2)	CCTV camera Point	47.00	Nos		
(3)	controlled (card) access Point	23.00	Nos		
10.8	<u>Projector Screen & Shower Heater</u>				
(1)	Elite Screen Spectrum 2 Series / 100 Inch Ceiling Mount Projector Screen	2.00	Nos		
(2)	Retractable Ceiling Mount Projector Lift	2.00	Nos		
(3)	Projector 1080p, HD Optoma or Equivalent (Input/Output type shall be USB, VGA In, Composite In etc..)	2.00	Nos		
(4)	"HITACHI Shower heater HES-35WDY (WH), Power 3500W" or Equivalent	4.00	Nos		
10.90	<u>AIR CONDITION SYSTEM</u> Air Conditioner must be a VRF system as per the drawings and specification . Follow the specification provided by "HITACHI" VRF Air Conditioning system . Rate must Includes of all indoors units & Out door units including materials supply and installation etc. (a) Rates must include for submission of shop drawings along with indoor unit capacities and out door capacity.				
	<u>Air Condition Unit</u>				
10.9.1	Ground floor				
(1)	Outdoor Unit (18HP)	3.00	Nos		
(2)	Outdoor Unit (16HP)	1.00	Nos		
10.9.2	First floor				
(1)	Outdoor Unit (18HP)	3.00	Nos		
(2)	Outdoor Unit (16HP)	1.00	Nos		
10.9.3	Second floor				
(1)	Outdoor Unit (18HP)	4.00	Nos		
10.9.4	Third floor				
(1)	Outdoor Unit (18HP)	1.00	Nos		
(2)	Outdoor Unit (16HP)	2.00	Nos		
10.9.5	Ground floor				
(1)	Indoor unit AC (7200 btu)	1.00	Nos		
(2)	Indoor unit AC (7800 btu)	1.00	Nos		
(3)	Indoor unit AC (24000 btu)	3.00	Nos		
(4)	Indoor unit AC (7500 btu)	1.00	Nos		
(5)	Indoor unit AC (15300 btu)	1.00	Nos		
(6)	Indoor unit AC (15400 btu)	3.00	Nos		
(7)	Indoor unit AC (9700 btu)	1.00	Nos		
(8)	Indoor unit AC (14100 btu)	1.00	Nos		

10.9.6	First floor				
(1)	Indoor unit AC (15200 btu)	2.00	Nos		
(2)	Indoor unit AC (14400 btu)	1.00	Nos		
(3)	Indoor unit AC (11000 btu)	1.00	Nos		
(4)	Indoor unit AC (28000 btu)	1.00	Nos		
(5)	Indoor unit AC (14600 btu)	1.00	Nos		
(6)	Indoor unit AC (14300 btu)	4.00	Nos		
(7)	Indoor unit AC (9600 btu)	1.00	Nos		
(8)	Indoor unit AC (12900 btu)	1.00	Nos		
(9)	Indoor unit AC (15800 btu)	1.00	Nos		
(10)	Indoor unit AC (10500 btu)	1.00	Nos		
10.9.7	Second floor				
(1)	Indoor unit AC (17700 btu)	1.00	Nos		
(2)	Indoor unit AC (14900 btu)	1.00	Nos		
(3)	Indoor unit AC (8800 btu)	1.00	Nos		
(4)	Indoor unit AC (10100 btu)	1.00	Nos		
(5)	Indoor unit AC (19000 btu)	1.00	Nos		
(6)	Indoor unit AC (23800 btu)	1.00	Nos		
(7)	Indoor unit AC (17500 btu)	1.00	Nos		
(8)	Indoor unit AC (13800 btu)	2.00	Nos		
(9)	Indoor unit AC (10500 btu)	1.00	Nos		
(10)	Indoor unit AC (23400 btu)	1.00	Nos		
(11)	Indoor unit AC (11200 btu)	1.00	Nos		
10.9.8	Third floor				
(1)	Indoor unit AC (11400 btu)	1.00	Nos		
(2)	Indoor unit AC (12300 btu)	1.00	Nos		
(3)	Indoor unit AC (7400 btu)	1.00	Nos		
(4)	Indoor unit AC (26800 btu)	1.00	Nos		
(5)	Indoor unit AC (23700 btu)	2.00	Nos		
(6)	Indoor unit AC (18300 btu)	1.00	Nos		
10.9.9	Other accessories				
(1)	Remote (Wired)	44.00	Nos		
(2)	Central Controller	1.00	Item		
10.10	<u>FIRE FIGHTING</u>				
	General				
	a) Rates must include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories.				
10.10.1	<u>Fire-accessories</u>				
(1)	CO2 Extinguisher 2 kg with cabinet	5.00	Nos		
(2)	Exit sign	7.00	Nos		
(3)	H2O Extinguisher 9 litre with cabinet	5.00	Nos		
10.11	<u>Elevator</u>				
(1)	Mitsubishi 06 Passenger capacity machine-room-less elevator.	1.00	item		
BILL No: 10 - ELECTRICAL					
TOTAL OF BILL No: 10 - Carried over to summary					

BILL No:11				
<u>FURNITURE</u>				
<u>GENERAL</u>				
(a) The contractor must ensure actual site/room dimensions				
(b) Assembling price must be included.				
(c) The contractor must ascertain that the work characters stipulated herein must complete the whole of the work. No change or variation whatsoever must be entertained unless or otherwise the written instructions from the owner.				
(d) Catalog must be included and all materials must be of approved (superior) quality delivered and fixed in the first class workmanship				
(e) Contractor must refer given Floor layouts (Architectural floor plans) for furniture orientation and dimensions. E.g.: Left sided and right sided workstations shown in floor plans.				
(f) Use Pictures given in Furniture Information for reference Only. Final furniture selection will be carried out after further discussion (Catalogues will be required) with the project winning contractor)				
(g) Furniture approval: For furniture's ordering from abroad, price must include 2 persons travelling costs. (transportations, ticket, accommodation and food)				
(1)	WORK STATION (RT) <u>Table dimension 1200mm x 1200mm</u> Attached drawer set (L390 x B450 x H720) Wire management and cable grommet Material :Solid Wood / Ready made wood Partition fabric colour: *send colour options for approval Colour: send colour and design for approval CPU Holder Must be included.	10.00	Nos	
(1a)	Partitions - FRONT (1200 x 1200mm) as per drawing	10.00	Nos	
(1b)	Partitions - SIDE (600 x 1200mm) as per drawing	10.00	Nos	
(2)	WORK STATION (LT) <u>Table dimension 1200mm x 1200mm</u> Attached drawer set (L390 x B450 x H720) Wire management and cable grommet Material :Solid Wood / Ready made wood Partition fabric colour: *send colour options for approval Colour: send colour and design for approval CPU Holder Must be included.	11.00	Nos	
(2a)	Partitions - FRONT (1200 x 1200mm) as per drawing	11.00	Nos	
(2b)	Partitions - SIDE (600 x 1200mm) as per drawing	11.00	Nos	
(3)	WORK STATION (TR) Desk (1500mm x 1450mm) Attached drawer set (L415 x B460 x H580) Wire management and cable grommet Material :Solid Wood / Ready made wood Colour: send colour and design for approval CPU Holder Must be included	1.00	Nos	

(4)	WORK STATION (TL) Desk (1500mm x 1450mm) Attached drawer set (L415 x B460 x H580) Wire management and cable grommet Material :Solid Wood / Ready made wood Colour: Send colour and design for approval CPU Holder Must be included	1.00	Nos		
(5)	OFFICE TABLE (CC1) Dimensions 1200mm x 600mm Attached drawer set (L390 x B450 x H720) Wire management and cable grommet Material :Solid Wood / Ready made wood Cpu holder must be included Colour: send colour and design for approval	1.00	Nos		
(6)	EXECUTIVE WORKSTATION (EX) Writing Table 1500 x700x750 mm with cable grommet Side Table: 1000x450mm Drawer set must be included Material: Solid Wood/Ready made wood Colour: Wenge	2.00	Nos		
6a	High cabinet (1800x 395mm) Colour: Send colour and design for approval	2.00	Nos		
6b	High Back, Black Faux Leather Chair (HC) *Check Furniture layout for Table orientation ex: Left or right	2.00	Nos		
(7)	ROUND KIDS TABLE (KT1) Table for 4 Dimensions: Diameter 850 mm H480mm <u>Material :Polypropylene plastic</u> Colour: Red/Blue	1.00	Nos		
(8)	KIDS CHAIR (KC1) Kids Chair with back rest <u>Material :Polypropylene plastic</u> Colour: Red,Blue	4.00	Nos		
(9)	SOFA (S01) Fabric 3 seater sofa With wooden legs Colour: Send for approval	1.00	Nos		
(10)	WORK STATION (ST) Table Dimension 1200mm x 600mm Attached drawer set (L390 x B450 x H720) Wire management and cable grommet Material :Solid Wood / Ready made wood Colour: Maple/Beech	19.00	Nos		
10a	Partitions - Front (1200 x 1200mm) as per drawing	16.00	Nos		
10b	Partitions - Side (600 x 1200mm) as per drawing	27.00	Nos		
(11)	OFFICE TABLE (OT) Table Dimension 1800mm x 600mm 2 Attached drawer set (L390 x B600 x H720) Wire management and cable grommet Material :Solid Wood / Ready made wood Colour: Maple	3.00	Nos		
11a	CPU Holder Must be included	8.00	Nos		

(12)	CONFERENCE TABLE WITH 14 CHAIRS (CT) Seating for 14 person Dimension:4500mm x 1500mm Material:Solid Wood Colour: send colour and design for approval	1.00	Nos		
12a	1 High back (faux)Leather chair and 13 medium back Black (faux)leather Chairs. *Send design for approval	14.00	Nos		
(13)	MEDIUM BACK CHAIR (MC) Seat: 508mm W x 457 D Swivel chair with hydraulic height adjustment Polyurethane arm rest Lockable reclining system Material : Fabric Colour: Black	52.00	Nos		
(14)	4 SEATER VISITOR BENCH (MB) Metal 4 seater visitor bench Colour: Silver/ Black Metal chrome plated armrests Material: Steel Upholstered seats	6.00	Nos		
(15)	LOW BACK CHAIR (GC) low back office chair Swivel chair with hydraulic height adjustment Polyurethane arm rest Lockable reclining system Material : Fabric Colour: Black	8.00	Nos		
(16)	HIGH BACK CHAIR (HC) High Back black faux leather chair Swivel chair with hydraulic height adjustment Polypropylene arm rest Lockable reclining system Material : Faux leather Colour: Black	6.00	Nos		
(17)	WAITING ROOM SOFA SET (SO) Commercial grade sofa set 3 seater + 1 Seater Coffee table included Material: Black PVC *Send design for approval	1.00	set		
(18)	WAITING AREA SOFA SET (SO2) Commercial grade sofa set 3 seater + 3 Seater Coffee table included Material: Black PVC *Send design for approval	1.00	set		
(19)	3 SEAT ARMLESS SOFA (SO3) 3 seater armless sofa Material: High Quality Fabric Coffee table included *Send design for approval	2.00	set		

(20)	SITTING AREA SOFA SET (SO4) 3 seater + 1 Seater Coffee table included Material: High Quality Fabric *Send designs for approval	1.00	set		
(21)	OUTDOOR SOFA SET (SO5) 3 seater + 1 Seater + 1 seater PE Rattan Sofa with aluminium frame Coffee table included Cushions, washable, removable, flame retardant *Send design for approval	2.00	set		
(22)	OFFICE CABINET WITH SLIDING DOORS (LC) cabinet with slide doors Including Key & lock Dimensions: L1200mm x W 400mm x H 860 Material: Solid wood/Ready made wood Colour: Maple	5.00	Nos		
(23)	CABINET WITH GLASS DOOR (CG) Cabinet with glass doors Dimensions: W900*D400*H900mm Included Key lock Colour: Maple	1.00	Nos		
(24)	CLASSROOM CHAIRS WITH WRITING PAD (CC) Size: Standard Material: High quality Steel and plastic back and upholstered seat				
24a	Right handed.	30.00	Nos		
24b	Left handed Colour: Blue / Black	5.00	Nos		
(25)	12 COMPARTMENT BOOK SHELF (SH) Dimensions: H1745 x W1175 x D295mm Material: Wood Colour: Wenge/walnut	22.00	Nos		
(26)	4 DRAWER FILING CABINET WITH RECESS HANDLE (FC) Dimensions: D685mm x W469.9 x H1370 Lock on each drawer Material: Steel with epoxy coated Colour: Light grey	2.00	Nos		
(27)	12 COMPARTMENT STEEL LOCKER (LS) Dimension: L915 x W381x H1828mm Material: Steel with epoxy coated Colour: Light grey	5.00	Nos		

(28)	BUNK BED (BB) Slatted bed base standard size bed Length: 6ft 6 inch mm x 3 ft mm Mattress Type: Kurl-on or equivalent Mattress Thickness: 5" Must include 2 Fitted bedsheet (200 thread count) + 4 pillows with Cover per bunk bed 2 Fully zippered waterproof Mattress cover must be included for each bed 4 zippered waterproof Pillow protector cover must be included Bed Material: Solid wood/Ready made wood Wood colour: Send colour for approval Bed linen: Send fabric and designs for quality approval	17.00	set		
(29)	SINGLE BED (SD) Slatted bed base Length: 4 ft x 6 ft 6 inch Mattress Type: Kurl-on or equivalent Mattress Thickness: 5" Must include 1 Fitted bedsheet (200 thread count) + 2 pillows with cover 1 Duvet and Duvet cover 1 Fully zippered waterproof Mattress cover must be included 2 zippered waterproof Pillow protector cover must be included Bed Material: Solid wood/Ready made wood Wood colour: Send colour for approval Bed linen: Send fabric and designs for Quality approval	4.00	set		
(30)	DOUBLE BED (SB) Slatted bed base Length: 5 ft x 6 ft 6 inch Mattress Type: Kurl-on or equivalent Mattress Thickness: 5" Must include 1 Fitted bedsheet (200 thread count) + 2 pillows with cover 1 Duvet and Duvet cover 1 Fully zippered waterproof Mattress cover must be included 2 zippered waterproof Pillow protector cover must be included Bed Material: Solid wood/Ready made wood Wood colour: Send colour for approval Bed linen: Send fabric and designs for Quality approval	1.00	set		
(31)	TABLE (BT) Dimension: L2000mm x D500 x H750 Material: Wood Colour: Send design and colour for approval	1.00	Nos		
(32)	TABLE (BT1) Dimension: L1200mm x D500 x H750 Material: Wood Colour: Send design and colour for approval	1.00	Nos		

(33)	UPHOLESTERED CHAIR (BC) upholstered chair with wooden legs	2.00	Nos		
(34)	IRONING BOARD Iron board: 48" x 12"	8.00	Nos		
(35)	HANGING RACKS (TW1) must be able to hang 6 towel Material: Wood Colour: Wenge	10.00	Nos		
(36)	TOWEL RACK- 2 (TW2) must be able to hang 3 towel Material: Wood Colour: Wenge	3.00	Nos		
(37)	CLOTH HANGER (CH) Clothes Drying Rack Dimensions: Length 1500 mm Heavy duty material Send design for approval	6.00	Nos		
(38)	SINGLE DOOR WARDROBE (WD) Full Height Mirror with Lock and key Containing hanger rail and lower shelf Dimension: W1200mm x D600mm x H 1800 Material: wood Wood Colour: send colour and design for approval	39.00	Nos		
(39)	TV RACK Dimensions: L1400mm x W400mm x H500mm Material: Wood Colour: send colour and design for approval	3.00	Nos		
(40)	PLASTIC CHAIR WITH ARMREST (PC1) Colour: Blue	12.00	Nos		
(41)	SQUARE TABLE (ST) Seating for 4 person 900mm x 900mm Material: Plastic Colour: White	3.00	Nos		
(42)	CINEMA ARMCHAIR (VB1) 4 Seaters Upholestry: High density durable Sponge Material: PVC leather /Fabric Material: Metal structure, Colour: Black	4.00	Nos		
(43)	SQUARE DINING TABLE (MT1) seating for 4 person L900mm x W900mm x H760mm Material: Solid Wood/Ready made wood	6.00	Nos		
(44)	WOODEN CHAIR (WC) Dining chair with Medium back rest PVC material Wooden Legs	24.00	Nos		

(45)	VISITOR CHAIR (VC) Swivel chair with hydraulic height adjustment Polyurethane arm rest Lockable reclining system Material : Fabric Colour: Black	3.00	Nos		
(46)	STEEL RACK (SR, SR1,SR2)				
46a	SR Dimensions : L2700mm x W600mm x H2000mm 6 compartment adjustable slotted angle rack	1.00	Nos		
46b	SR 1 Dimensions : L2949mm x W600mm x H2000mm 6 compartment adjustable slotted angle rack	1.00	Nos		
46c	SR 2 Dimensions : L1750mm x W600mm x H2000mm 6 compartment adjustable slotted angle rack	1.00	Nos		
(47)	SLIDING DOOR WARDROBE (BW) Full Height Mirror Sliding door Containing hanger rail and lower shelf /drawer Dimension: W1700mm x D600mm x H 1800 Material: solid wood/Readymade wood Wood Colour: send colour and design for approval Design:Send catalogue for approval	1.00	Nos		
(48)	SHOE RACK (SOR) shoe cabinet Dimension: L2200mm x D400mm x H1800mm 9 shelf Material: Wood/Aluminium Design: Send catalogue for approval	3.00	Nos		
(49)	BENCH SEAT (BS) Dimension: L1700 x D500 x H457mm	1.00	Nos		
(50)	CABINET (CC) 2 swing door + 1 drawer cabinet W 80 x D 40 x H 82.6 cm	1.00	Nos		
	<u>APPLIANCES</u>				
(51)	TV 4K smart wifi and android model 75" Tv Philips or equivalent	1.00	Nos		
(52)	HD LED TV 32" Philips or equivalent	2.00	Nos		
(53)	WASHING MACHINE Top Load machine Inverter 7kg Hitachi or LG equivalent	4.00	Nos		
(54)	Front load machine Inverter 10kg Hitachi or LG equivalent	4.00	Nos		
(55)	Iron philips or equivalent	8.00	Nos		
BILL No: 11 -FURNITURE					
TOTAL OF BILL No: 11 - Carried over to summary					

BILL No:12					
<u>ADDITIONS</u> a) Add all the Items to be included to BOQ into additions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.					
BILL No: 12 -ADDITIONS TOTAL OF BILL No: 12 - Carried over to summary					

BILL No:13					
<u>OMMISSIONS</u> a) Add all the Items to be deleted from BOQ into omissions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.					
BILL No: 13 -OMISSIONS TOTAL OF BILL No: 13 - Carried over to summary					

INFRASTRUCTURE UNIT

MALDIVES POLICE SERVICE

MALE' REP OF MALDIVES.

PROJECT: CONSTRUCTION OF ADDU CITY REGIONAL HEADQUARTER / TWO STOREY CUSTODIAL FACILITY**CLIENT:** MALDIVES POLICE SERVICE**LOCATION:** S.FEYDHOO/ ADDU CITY**DATE:** 23 MAY 2022**SUB- SUMMARY**

BILL NO	DESCRIPTION	AMOUNT (MVR)
1	BILL No: 02 - GROUND WORKS	
3	BILL No: 03 - CONCRETE	
4	BILL NO: 04 - MASONRY AND PLASTERING	
5	BILL NO: 05 - CEILINGS	
6	BILL No: 06 - WOOD AND METAL WORKS	
7	BILL No: 07 - DOORS AND WINDOWS	
8	BILL No: 08 - PAINTING & FINISHES	
9	BILL No: 09 - HYDRAULIC AND DRAINAGE	
10	BILL No: 10 - ELECTRICAL & SPECIFIC INSTALLATIONS	
11	BILL No: 11 - NETWORKING AND FIRE SAFETY	
12	BILL No: 12 -FURNITURE	
13	BILL No: 13 - ADDITIONS	
14	BILL No: 14 -OMISSIONS	
TOTAL AMOUNT (MVR)		

TWO STOREY CUSTODIAL FACILITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (MVR)
BILL No: 02					
	<u>GROUND WORKS</u>				
	<u>GENERAL</u> (a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating and disposing surplus soil.				
2.1	<u>EXCAVATION</u> Note: Excavation quantities are measured to the faces of concrete members. Rates shall include for all additional excavation required to place the formwork/shuttering and dewatering the trenches for the required days.				
(1)	Excavation for Tie beam (TB) 200x400mm	52.45	m ³		
(2)	Excavation Footing (F1) 1500x1500x300mm	4.05	m ³		
(3)	Excavation Footing (F2) 1400x1400x300mm	5.29	m ³		
(4)	Excavation Footing (F3) 1250x1250x300mm	9.84	m ³		
(5)	Excavation Footing (F4) 1100x1100x300mm	20.69	m ³		
(6)	Excavation Footing (F5) 1000x1000x300mm	25.20	m ³		
(7)	Excavation Footing (F6) 750x750x300mm	6.58	m ³		
(8)	Excavation for Ground beam (GB) 12ft wall @ boundry wall details	20.43	m ³		
(9)	Excavation Footing (12ft wall) 600x600x200mm	10.80	m ³		
(10)	Excavation for Stair starter beam	0.54	m ³		
2.2	<u>BACK FILLING</u> Note:(a) Rates shall include for levelling, grading, trimming, compacting and similar. (b) Ground need to be compacted to the required density by the consultant.				
(1)	Earth filling for Foundation beams & below ground masonry wall	19.28	m ³		
(2)	Earth filling for Footings	55.07	m ³		
(3)	Well compacted earth filling under ground slab	273.93	m ³		
2.3	<u>DAMP PROOF MEMBRANE</u> Note: Rates shall include for: dressing around and sealing to avoid all penetrations, laps and turn-ups.				
2.3.1	Polythene damp proof membrane (500 gauge) under:-				
(1)	All Tie beam	87.42	m ²		
(2)	All Footings	79.62	m ²		
(3)	Ground Slab	743.55	m ²		
(4)	All Ground beam	22.70	m ²		
2.3.2	Apply 2 coats of Masterseal or similar brush bond damp proof membrane on all concrete and masonry plastered surfaces below ground level and up to 300mm finished floor level in accordance with manufacturer's instructions.				
(1)	All Tie Beams	524.53	m ²		
(2)	All Footings	169.14	m ²		
(3)	All masonry below ground level and up to 300mm above floor level.	787.71	m ²		
(4)	All Ground beam	52.96	m ²		
2.4	<u>DEWATERING</u>				
(1)	This item shall include for all the piping, pumps, etc. Water needs to be pumped to an assigned area as per local regulation.	1.00	item		
BILL No: 02 - GROUND WORKS					
TOTAL OF BILL No: 02 - Carried over to summary					

BILL No: 03				
	<u>CONCRETE</u>			
	<u>GENERAL</u> (a) Rates shall include for: provision to place in position; casting of all required items and finishing after removal of formwork and additional concrete required to conform to structural and excavated tolerances. (b) Rates shall include supply of all formwork item including form oil, timber, plywood, nails etc. (c) Mix ratio for reinforced concrete shall be 1:2:4 and lean concrete shall be 1:3:6 by volume.			
3.1	<u>LEAN CONCRETE</u> Note: Quantity is measured to the edges of concrete members. Rates shall be inclusive of any additional concrete required to place the formwork.			
(1)	50mm thick lean concrete to Tie Beams	180.40	m ²	
(2)	50mm thick lean concrete to Footings	73.46	m ²	
(3)	50mm thick lean concrete to Ground Beams@ 12ft wall @ boundry wall details	22.70	m ²	
(4)	50mm thick lean concrete to Footing (600x600x200mm @ 12ft wall @ boundry wall details)	9.72	m ²	
3.2	<u>REINFORCED CONCRETE</u> Note: Add water proofing compound to concrete mix for walls and cover slab below ground level. In-situ reinforced concrete to:			
3.2.1	<u>Foundation</u>			
(1)	Tie Beam (TB)	34.97	m ³	
(2)	Footing (F1)	1.35	m ³	
(3)	Footing (F2)	1.76	m ³	
(4)	Footing (F3)	3.28	m ³	
(5)	Footing (F4)	6.90	m ³	
(6)	Footing (F5)	8.40	m ³	
(7)	Footing (F6)	2.19	m ³	
(8)	Columns C1	0.15	m ³	
(9)	Columns C2	0.55	m ³	
(10)	Excavation for Ground beam (GB) 12ft wall @ boundry wall details	5.67	m ³	
(11)	Footing (600x600x200mm @ 12ft wall @ boundry wall details)	1.80	m ³	
(12)	Columns (12ft wall @ boundry wall details)	1.08	m ³	
(13)	Staircase starter	0.34	m ³	

3.2.2	<u>Ground Floor</u>			
(1)	Columns C1	2.88	m ³	
(2)	Columns C2	10.14	m ³	
(3)	Columns SC	1.08	m ³	
(4)	75mm thick ground slab	54.78	m ³	
(5)	Staircase waist incl; steps, midlanding, starter, etc.	3.22	m ³	
(6)	Columns (12ft wall @ boundry wall details)	3.50	m ³	
(7)	Bond beam (12ft wall @ boundry wall details)	1.70	m ³	
(8)	Coping beam (12ft wall @ boundry wall details)	3.40	m ³	
3.2.3	<u>First Floor</u>			
(1)	Columns C1	2.55	m ³	
(2)	Columns C2	2.04	m ³	
(3)	Columns SC	0.46	m ³	
(4)	Attached Beams B1	3.19	m ³	
(5)	Attached Beams B2	5.65	m ³	
(6)	Attached Beams B3	6.31	m ³	
(7)	Attached Beams B4	9.21	m ³	
(8)	Attached Beams B5	4.89	m ³	
(9)	Attached Beams CB1	0.48	m ³	
(10)	135mm thick RCC Slab (included kicker)	66.37	m ³	
(11)	150mm thick RCC Slab (included kicker)	44.69	m ³	
3.2.4	<u>Roof Level</u>			
(1)	Attached Beams B2	4.52	m ³	
(2)	Attached Beams B4	0.81	m ³	
(3)	Attached Beams B5	3.92	m ³	
(4)	135mm thick RCC Slab (included kicker)	25.36	m ³	
3.3	<u>FORMWORK</u>			
	Note: Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, Grounds, hangers, pipes and removal of formwork.			
3.3.1	<u>Foundation</u>			
(1)	Tie Beam (TB)	349.69	m ²	
(2)	Footing (F1)	3.60	m ²	
(3)	Footing (F2)	5.04	m ²	
(4)	Footing (F3)	10.50	m ²	
(5)	Footing (F4)	25.08	m ²	
(6)	Footing (F5)	33.60	m ²	
(7)	Footing (F6)	11.70	m ²	
(8)	Columns C1	2.40	m ²	
(9)	Columns C2	10.56	m ²	
(10)	Ground beam (GB) 12ft wall @ boundry wall details	45.40	m ²	
(11)	Footing (600x600x200mm @ 12ft wall @ boundry wall details)	12.00	m ²	
(12)	Columns (12ft wall @ boundry wall details)	20.00	m ²	
(13)	Staircase starter	7.80	m ²	
3.3.2	<u>Ground Floor</u>			
(1)	Columns C1	38.99	m ²	
(2)	Columns C2	173.28	m ²	
(3)	Columns SC	28.80	m ²	
(4)	Staircase waist incl; steps, midlanding, starter, etc.	30.86	m ²	
(5)	75mm thick ground slab	9.65	m ²	
(6)	Columns (12ft wall @ boundry wall details)	70.00	m ²	
(7)	Bond beam (12ft wall @ boundry wall details)	34.05	m ²	
(8)	Coping beam (12ft wall @ boundry wall details)	45.40	m ²	

3.3.3	<u>First Floor</u>			
(1)	Columns C1	36.50	m ²	
(2)	Columns C2	40.56	m ²	
(3)	Columns SC	12.17	m ²	
(4)	Attached Beams B1	41.24	m ²	
(5)	Attached Beams B2	73.16	m ²	
(6)	Attached Beams B3	81.62	m ²	
(7)	Attached Beams B4	119.15	m ²	
(8)	Attached Beams B5	67.29	m ²	
(9)	Attached Beams CB1	6.25	m ²	
(10)	135mm thick RCC Slab	491.61	m ²	
(11)	150mm thick RCC Slab	297.94	m ²	
3.3.4	<u>Roof Level</u>			
(1)	Attached Beams B2	58.99	m ²	
(2)	Attached Beams B4	10.43	m ²	
(3)	Attached Beams B5	53.98	m ²	
(4)	135mm thick RCC Slab	193.46	m ²	
3.4	<u>REINFORCEMENT</u>			
	Note: (a) Rates shall include for: cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including Ground wire and chair supports, laps and wastage.			
	(b) All reinforcing bars except 6mm dia bars shall be high strength deformed bars.			
	(c) The exact length exclusive of laps are given. The rates shall take into account laps and any wastage.			
3.4.1	<u>Foundation</u>			
(1)	16mm dia. bars in Tie Beam	2.85	t	
(2)	12mm dia. bars in Tie Beam	1.61	t	
(3)	6mm dia. bars in Tie Beam	0.80	t	
(4)	12 mm dia. bars in Footing	0.94	t	
(5)	10mm dia. bars in 600x600x200mm (12ft wall @ boundry wall details)	0.07	t	
(6)	16mm dia bars in Ground beam (GB) 12ft wall @ boundry wall details	0.48	t	
(7)	6mm dia bars in Ground beam (GB) 12ft wall @ boundry wall details	0.12	t	
(8)	12mm dia bars in Columns (12ft wall @ boundry wall details)	0.09	t	
(9)	6mm dia bars in Columns (12ft wall @ boundry wall details)	0.03	t	
(10)	16 mm dia. bars in Columns	0.44	t	
(11)	6mm dia. bars in Columns	0.10	t	
(12)	12 mm dia. bars in Staircase	0.08	t	

3.4.2	<u>Ground Floor</u>				
	<u>All Columns, Bond beam, Coping beam & Ground beam</u>				
(1)	16 mm dia. bars in Columns	1.89	t		
(2)	12 mm dia. bars in Columns	0.19	t		
(3)	6mm dia. bars in Columns	0.40	t		
(4)	12mm dia bars in Bond beam,(12ft wall @ boundry wall details)	0.27	t		
(5)	6mm dia bars in Bond beam (GB) 12ft wall @ boundry wall details	0.12	t		
(6)	12mm dia bars in Coping beam,(12ft wall @ boundry wall details)	0.27	t		
(7)	6mm dia bars in Coping beam (GB) 12ft wall @ boundry wall details	0.17	t		
(8)	12mm dia bars in Columns (12ft wall @ boundry wall details)	0.31	t		
(9)	6mm dia bars in Columns (12ft wall @ boundry wall details)	0.10	t		
	<u>Slab</u>				
(10)	10 mm dia. bars in 75mm thick ground slab (T10@200 c/c B/W)	6.49	t		
	<u>Stair</u>				
(11)	12 mm dia. bars in Stair	0.41	t		
3.4.3	<u>First Floor</u>				
	<u>Columns</u>				
(1)	16 mm dia. bars in Columns	0.61	t		
(2)	12 mm dia. bars in Columns	0.07	t		
(3)	6mm dia. bars in Columns	0.13	t		
	<u>Beams</u>				
(4)	16 mm dia. bars in first Beams	3.67	t		
(5)	6 mm dia. bars in first Beams	1.02	t		
	<u>Slab</u>				
(6)	10 mm dia. bars in slab	12.63	t		
3.4.4	<u>Roof Level</u>				
	<u>Beams</u>				
(1)	16 mm dia. bars in first Beams	1.23	t		
(2)	6 mm dia. bars in first Beams	0.29	t		
	<u>Roof Slab</u>				
(3)	10 mm dia. bars in slab	5.32	t		

3.5	<u>OTHER CONCRETE WORKS</u>				
(1)	Attached RCCborder beams 100 mm thick X 435 mm height as per the drawings with reinforcement and shuttering , plastering etc. and all the related works .	1.00	item		
(2)	150x150mm RCC Lintel and Sill beam as shown in the drawings with reinforcement and shuttering , plastering etc., and all necessary works.	1.00	item		
(3)	RC "kicker" 150mm height from slab level for toilets, void and ducts.	1.00	Item		
(4)	RCC counter for "reception area" and "family meeting room" as per given drawing, including 25mm thick natural granite top, drawers, front and side Formica finish, 100mm SS sheet hairline finish boarder and 25mm plywood dividers, etc. as per the detail drawing. (Refer: Reception Counter Detail drawing)	2.00	Item		
(5)	Soak pits as per detail drawing (Rate shall include for completion of all necessary works)	1.00	Item		
(6)	RCC bunk bed (as per drawing detail)	24.00	Item		
(7)	RCC concrete counter top size 1500mmx500mm for wash basins in Grooming room (as per drawing detail)	1.00	Item		
1.12.5	<u>PAVING BLOCK FINISH</u>				
(1)	Paving block finishing on exercise yard shown in the drawings (include sand filling and compaction)	217.59	m ²		
3.6	<u>WATER PROOFING</u>				
	Rate shall include for: all necessary works and dressing around and sealing to all penetrations.				
(1)	Apply 2 coats Master seal 550 or equivalent type water proofing material to the surface of first slab and toilets in accordance with the specifications and manufacturer's instruction.	662.11	m ²		
(2)	Apply 2 coats Master seal 550 or equivalent type water proofing material to the surface of roof slab in accordance with the specifications and manufacturer's instruction.	194.60	m ²		
BILL No: 03 - CONCRETE					
TOTAL OF BILL No: 03 - Carried over to summary					

BILL No: 04				
	<u>MASONRY AND PLASTERING</u>			
	<u>GENERAL</u> (a) Rates shall include for: blocks, cutting or leaving holes and openings as recesses, building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames. (b) Mix ratio for masonry shall be 1:4 cement mortar mix. (c) Mix ratio for plastering shall be as specified, incl. ground rods, compression gap filler, nylon/plastic mesh at joints of concrete surfaces and walls.			
4.1	<u>CEMENT BLOCK WORK</u>			
4.1.1	<u>EXTERNAL WALLS</u> Supply and installation of precast cement solid blocks 4" x 6" x 12" for both internal and external walls including hoisting and setting in position with cement mortar 1:4 (1 cement : 4 coarse sand), as described;			
(1)	Up to plinth level	151.25	m ²	
(2)	Ground floor	598.78	m ²	
(3)	First floor	195.89	m ²	
(4)	Walking area walls	272.40	m ²	
4.1.2	<u>INTERNAL WALLS</u> Supply and installation of precast cement solid blocks 4" x 6" x 12" for both internal and external walls including hoisting and setting in position with cement mortar 1:4 (1 cement : 4 coarse sand), as described;			
(1)	Up to plinth level	186.58	m ²	
(2)	Ground floor	1041.41	m ²	
(3)	First floor	287.24	m ²	
4.2	<u>PLASTERING</u>			
4.2.1	<u>EXTERNAL WALLS</u> a) 25mm thick cement plastering (12mm rough layer & 12mm top layer) on EXTERNAL WALLS and concrete surfaces with 1:4 Cement mortar mix as specified incl. wire mesh at joints of concrete surfaces and walls (first, second coats).			
(1)	Up to plinth level	151.25	m ²	
(2)	Ground floor	598.78	m ²	
(3)	First floor	195.89	m ²	
(4)	Walking area walls	544.80	m ²	
(5)	Allow for PVC/Nylon mesh reinforcement at all joints between walls and concrete.	1.00	item	

4.2.2	<u>INTERNAL WALLS</u> Note: 15mm Thick cement plastering on all INTERNAL WALLS and concrete surface with 1:4 cement mortar mix as specified incl. wire mesh at joints of concrete surfaces and walls (one coats).				
(1)	Up to plinth level	471.45	m ²		
(2)	Ground floor	2681.60	m ²		
(3)	First floor	770.37	m ²		
(4)	Allow for PVC/Nylon mesh reinforcement at all joints between walls and concrete.	1.00	item		
4.3	<u>CEMENT SCREED FINISH</u> Note: 40mm Thick cement screed on the concrete floor with 1:4 cement mortar mix incl. float finish to receive the tiles/floor paint.				
(1)	Ground floor	782.25	m ²		
(2)	First floor	789.55	m ²		
(3)	Roof slab	193.46	m ²		
BILL No: 04 - MASONRY AND PLASTERING TOTAL OF BILL No: 04 - Carried over to summary					

BILL NO: 05					
	<u>CEILING</u>				
	<u>GENERAL</u>				
	Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and timber beading, etc..... similar nail and screws.				
	aluminum frame by 600 C/C on b/w				
5.1	<u>Aluminum frame gypsum board ceiling</u>				
	9 mm thk. Gypsum Board Ceiling System with 0.6mm tk Aluminum framing @600mm c/c both ways and smoothed with putty & painted including framing, beading, nails and screws.				
(1)	Ground Floor	351.89	m ²		
(2)	First Floor	56.22	m ²		
5.2	<u>Aluminum frame cement/smart board ceiling</u>				
	6 mm thk. Cement/Smart Board Ceiling System with 0.6mm tk Aluminum framing @600mm c/c both ways and smoothed with putty including beading, nails and screws.				
(1)	Ground Floor	29.51	m ²		
(2)	First Floor	9.74	m ²		
5.3	<u>Gypsum Board Ceiling Access Panel</u>				
	450 x450mm access panel. Rates shall include all necessary framing, screws, hook etc.				
(1)	Ground Floor	28.00	Nos		
(2)	First Floor	6.00	Nos		
BILL NO: 05 - CEILINGS TOTAL OF BILL No: 05 - Carried over to summary					

BILL NO: 06					
	<u>WOOD AND METAL WORKS</u>				
	<u>METAL WORKS</u>				
	a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts incl. steel Flanges, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws.				
	b) Rates shall include for fabrication and erection and temporary supports and fixing into position.				
	c) All Stainless Steel pipe shall be 316 grade.				
6.1	<u>Staircase Railing</u>				
	Supply and fix SS pipe railing with polish finish as per the drawing.				
(1)	50mm dia SS Pipe railing in staircase	22.83	m		
(2)	25mm dia SS Pipe railing in staircase	28.34	m		
6.2	<u>SECURITY FENCE</u>				
	(a) Rates shall include for all necessary items.				
	(b) Submit sample/catalogue/specs for client approval if necessary.				
(1)	Supply and fixing of Prison Security Razor Barbed Wire as per drawing.	75.66	m		
6.3	<u>WOOD WORKS</u>				
	(a) Rates shall include for: fair edges, dressing over angle fillets, turning into grooves, all other labors, circular edges, nails, screws and other fixings and laps				
	(b) Rates shall include for all painting and finishing as specified				
	(c) Rates shall include for fabrication and erection and temporary supports and fixing into position				
	(d) Apply standard mesh tape and putty on all the joints providing smooth finish.				
6.3.1	<u>Dry Wall Partition</u>				
	9mm thick gypsum board or equivalent wood frame drywall partition wall finish with putty and painting works.				
(1)	100mm thick wood frame Gypsum board partition wall with putty and emulsion paint finish. Rate shall include for provision and fixing of 12mm thick clear acrylic. (Refer drawing: Partition Detail)	19.43	m ²		
6.3.2	<u>Wooden Counter</u>				
(1)	As per drawing make a Family room counter . Rates shall include completion of all necessary works. (Refer drawing)	1.00	item		
6.3.3	<u>Reception Counter</u>				
(1)	As per drawing make a Reception counter . Rates shall include completion of all necessary works. (Refer drawing)	1.00	item		
6.4	<u>Roof Shading</u>				
(1)	Poly carbonated roof shading in exercise yard, provide Aluminium joist size 50x150mm @750 c/c (joists shall be wall mounted)	13.09	m ²		
BILL NO: 06 - WOOD AND METAL WORKS					
TOTAL OF BILL No: 06 - Carried over to summary					

BILL NO: 07				
<u>DOORS AND WINDOWS</u>				
<u>GENERAL</u> (a) Rates shall include for locks, latches, closures, push plates, pull handles, bolts, kick plates, hinges, door closer, door stoppers and all door & window hardware. (b) Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boarding, framing, lining, fastenings and all fixings. (c) Fabrication and installation of Aluminum casement doors 1.2mm thick in white powder coat 60-80microns; 6mm clear glass on top & 8mm clear glass with clear shatter guard film for larger panels, inclusive of weather strippings, PU antifungal sealant at all joints between wall & frame & sub frame, approved SS iron mongery i.e. hinges, bolt locks, decorative lock with handle & door closer as described; Provision should all be given in providing RCC lintel where required; (d) All Timber doors shall Solid timber paneled door with paint finish. (e) All GI pipe grill doors should be fillet welded and fixed by anchor bolts to beams and columns				
7.1	<u>Aluminum Door Units</u>			
(1)	Door DD1	1.00	Nos	
(2)	Door AD1	9.00	Nos	
(3)	Door D5	1.00	Nos	
(4)	Door SD1	2.00	Nos	
7.2	<u>Steel Door Units</u>			
(1)	Door D1	5.00	Nos	
(2)	Door D2	23.00	Nos	
(3)	Door PD1	1.00	Nos	
(4)	Door MD1	1.00	Nos	
7.3	<u>Timber door units</u>			
	Rate shall include application one coat wood primer and 2 coat spray paint finish.			
(1)	Door D3	9.00	Nos	
7.4	<u>Fiber resin door units</u>			
(1)	Door D4	4.00	Nos	
7.5	<u>G.I door units</u>			
(1)	Door CD1 (with lock mechanism & Shelf)	12.00	Nos	
(2)	Door CD2	10.00	Nos	
(3)	Door CD3	12.00	Nos	
(4)	Door CD4	3.00	Nos	

7.6	<u>Aluminum window units</u>				
(1)	Window W01	13.00	Nos		
(2)	Window W02	1.00	Nos		
(3)	Window FG1	2.00	Nos		
(4)	Window FG2	4.00	Nos		
(5)	Window FG3	1.00	Nos		
(6)	Window V01	4.00	Nos		
7.7	<u>CURTAIN / BLINDS / STICKER</u>				
	Note: Supply and fixing of vertical blind for all windows. Rates shall include for all accessories and completion of all necessary works. Specifications manufactures details shall be submitted for consultants approval.				
7.7.1	<u>Vertical Blinds</u>				
(1)	Grey Shade Vertical Blind - BL1 (Refer Curtain Schedule)	7.00	Nos		
BILL NO: 07 -DOORS AND WINDOWS TOTAL OF BILL No: 07 - Carried over to summary					

BILL NO: 08				
	<u>PAINTING & FINISHES</u>			
	<u>GENERAL</u> (a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and/or masking floors, fittings and any other similar works to ensure the required finish. (b) All painting work shall be carried in accordance with the Specifications of "SAMHWA PAINT or Equivalent". (c) Rates for tiling shall include for: fixing, bedding, grouting, Pointing, finishing and any other similar works to ensure the required finish.			
8.1	<u>FLOOR FINISHES</u>			
8.1.1	<u>Ground Floor</u>			
(1)	Smooth cement screed finish with heavy duty GP finish floor paint (non-skid)	238.63	m ²	
(2)	600x600mm non skid porcelain tiles on floor as per drawing.	13.95	m ²	
(3)	600x600mm porcelain tiles on floor as per drawing.	390.99	m ²	
(4)	300x300mm non skid porcelain tiles on toilet floor as per drawing.	32.48	m ²	
(5)	300x600mm porcelain tiles on toilet walls up to ceiling height.	95.30	m ²	
(6)	Non-skid porcelain tiles with nosing strip on stair	15.63	m ²	
8.1.2	<u>First Floor</u>			
(1)	Smooth cement screed finish with heavy duty GP finish floor paint (non-skid)	78.06	m ²	
(2)	600x600mm porcelain tiles on floor as per drawing.	65.61	m ²	
(3)	300x300mm non skid porcelain tiles on toilet floor as per drawing.	9.73	m ²	
(4)	300x600mm porcelain tiles in toilet walls up to ceiling height.	56.66	m ²	
8.2	<u>Tile Skirting</u>			
8.2.1	Note: Rates shall include for: Cutting and installation of 100mm height tile skirting. Fix as per manufactures instructions.			
(1)	Ground Floor	901.89	m	
(2)	First Floor	254.99	m	
8.3	<u>PAINT FINISHES</u>			
8.3.1	<u>WALLS / CONCRETE SURFACES</u>			
	Note: Oil based emulsion paint system with textured finish on plastered and concrete surfaces of all EXTERNAL WALL . 2 coat of wall sealer, 1 coat of textured and 2 coat of paint.			
(1)	Ground floor	598.78	m ²	
(2)	First floor	195.89	m ²	
(3)	Walking area walls	544.80	m ²	

8.3.2	Note: Emulsion paint mat finish surfaces of all INTERNAL WALL . 2 coat of wall sealer and 2 coat of paint.				
(1)	Ground floor	2681.60	m ²		
(2)	First floor	770.37	m ²		
8.4	<u>CEILING / SOFFIT OF SLAB</u>				
	Note: Emulsion paint oil based finish surfaces of all EXTERIOR CEILING and Emulsion paint mat finish surfaces of all INTERIOR CEILING . 1 coat of wall sealer and 2 coat of paint.				
8.4.1	<u>ALUMINIUM FRAME GYPSUM BOARD CEILING</u>				
(1)	Ground Floor	351.89	m ²		
(2)	First Floor	56.22	m ²		
8.4.2	<u>ALUMINIUM FRAME CEMENT BOARD CEILING</u>				
(1)	Ground Floor	29.51	m ²		
(2)	First Floor	9.74	m ²		
8.4.3	<u>SLAB SOFFIT</u>				
(1)	Ground Floor	430.36	m ²		
(2)	First Floor	125.94	m ²		
8.5	<u>CLADDING WORK</u>				
8.3.1	Noate: Use aluminum composite cladding, Rate shall include for aluminum frame and all the associated works therein. Cladding shall be waterproofed using P.U foam and SIKKA Flex 221.				
(1)	Ground floor	32.74	m ²		
(2)	First floor	32.74	m ²		
(3)	Second floor	32.74	m ²		
(4)	Third floor	32.74	m ²		
BILL No: 08-PAINTING & FINISHES					
TOTAL OF BILL No: 08 - Carried over to summary					

BILL No: 9				
	<u>HYDRAULICS & DRAINAGE</u>			
	<u>GENERAL</u>			
	(a) Rates shall include for sockets, running joints, connectors, elbows, junctions, valves, reducers, expansion joints, backnuts and similar, incidental fittings, clips saddles, brackets, straps, hangers, screws, nails and fixing complete, including cutting and forming holes, excavating, laying pipes and backfilling trenches.			
	(b) All pipe work and fittings shall be high pressure UPVC.			
	(c) Rates shall include for supply and fixing of all pipes.			
9.1	<u>MAIN CONNECTION</u>			
(1)	Allow for Fresh water main connection, incl. all necessary works.	1.00	item	
(2)	Allow for Sewage main connection, incl. all necessary works.	1.00	item	
(3)	Supply and fixing of water meter, incl. all necessary works.	1.00	item	
9.2	<u>PIPE WORK</u>			
(1)	Allow for water connection for well water. Rate shall include supply and laying of pipes incl. all necessary works.	1.00	item	
(2)	Allow for water connection for fresh water. Rate shall include supply and laying of pipes incl. all necessary works.	1.00	item	
9.3	<u>SANITARY FIXTURES & ACCESSORIES</u>			
	Note: (a)Sanitary fixtures complete including brackets, stop valves, fittings etc.			
	(b)All sanitary fittings shall be of Stainless Steel.			
	(d) All Taps, drains shall be of stainless steel.			
	(e) All pipes shall be of 'UPVC' .			
(1)	Water closet incl. flush tank and fittings with well water connection (toilets)	4.00	Nos	
(2)	SS Water closet incl. flush tank and fittings with well water connection (cells)	12.00	Nos	
(3)	Wash Basins incl. taps and fittings with fresh water connection	4.00	Nos	
(4)	Wash Basins size 40cm in grooming room incl. taps and fittings with fresh water connection	2.00	Nos	
(5)	Low level SS Tap with fresh water connection	16.00	Nos	
(6)	Muslim shower set.	4.00	Nos	
(7)	SS Floor drain	24.00	Nos	
(8)	Stop Valves	26.00	Nos	
(9)	Cleaning eye	16.00	Nos	
(10)	Mirror set	6.00	Nos	
(11)	Low level plastic tap with fresh water connection (watertec or equivalent)	13.00		

9.4	<p><u>DRAINAGE</u></p> <p>Note: (a) Rates shall include for excavation, maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion joints and all joints and other incidental materials.</p> <p>(b) All pipework shall be UPVC</p>				
9.4.1	<u>DISCHARGE PIPEWORK</u>				
(1)	All pipe connection from fixtures and up to the inspection chamber.	1.00	item		
(2)	All pipe work connecting to sewer mains.	1.00	item		
(3)	75mm ø PVC Rainwater down pipe from roof to the soak pits.	1.00	item		
(4)	Construct inspection chamber of required size with all provisions to connect pipelines as per drawing.	13.00	Nos		
BILL No: 9 - HYDRAULIC AND DRAINAGE TOTAL OF BILL No: 9 - Carried over to summary					

BILL No: 10				
	<u>ELECTRICAL & SPECIFIC INSTALLATIONS</u>			
	<u>GENERAL</u> (a) Design, provide and install electrical network for the entire building complete in accordance to the standards set by the local governing body. (b) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories (c) Rates for work in trench shall include for: excavation, maintaining faces of excavations, backfilling, compaction, appropriate cable covers, warning tape and disposal of surplus spoil. (d) Rates for electrical isolators, conduits, fittings, equipment and similar items shall include for: all fixings to various building surfaces. (e) Light end and switch end of wiring together measured as one Point. (f) A Point wiring for power Points is measured as one Point for each socket outlet; other end of wire is not included in the quantity. (f) A Point wiring for power Points is measured as one Point for each socket outlet; other end of wire is not included in the quantity. (h) Three phase power supply.			
10.1	<u>MAIN CONNECTIONS</u>			
(1)	Allow for connection to electrical from Main panel board to sub-distribution boards	1.00	item	
(2)	Allow for connection to electrical from Sub-distribution board to floor distribution boards	1.00	item	
10.2	<u>ELECTRICAL BOARDS</u> Note: Complete installation, including for all connections, earthing, testing and similar. Rate shall include Three phase main panel board with all connections from the mains including meter, cut-off fuse and other accessories as per approved shop drawing.			
(1)	Sub-panel board, 3 phase	1.00	Nos	
(2)	Floor Main Distribution Boards	11.00	Nos	
10.3	<u>ELECTRICAL WIRING</u> Electrical wiring with copper conductor cable in conduits in walls and slab as per government regulations including all necessary items as specified.			
(1)	Cabling to Distribution boards	11.00	Points	
(2)	Wiring to Lights and fans.	194.00	Points	
(3)	Wiring to Socket outlets	162.00	Points	

10.4	<u>LIGHTING & FAN</u>				
	Note: All lights shall be of 'PHILIPS brand or equivalent', all switches, sockets etc. shall be 'LEGRAND brand or equivalent'.				
(1)	Ceiling Recessed 18W weather proof (white) LED Light	38.00	Nos		
(2)	Ceiling Recessed 32W (6000 cool white) LED Light	108.00	Nos		
(3)	Wall fixed night light(warm) LED E27 3W bulb	2.00	Nos		
(4)	Wall Mounted Weather proof LED Light (warm)	18.00	Nos		
(5)	Emergency Light High Flux White LED (8Hrs Non-maintained) with socket.	34.00	Nos		
(6)	KDK Industrial Wall Mounted High pressure 18" Ventilating Fan, including shutter.	2.00	Nos		
(7)	SS Duct Ventilation unit (Refer drawings)	2.00	Nos		
(8)	300W IP66 LED Weather Proof Flood Light with SS Bracket and Bolts. Rates shall include for installation of timer/sensor switch.	10.00	Nos		
(9)	Industrial grade ceiling mount Fan 24" in cells	12.00	Nos		
(10)	Ceiling Fan 42"	3.00	Nos		
10.5	<u>SOCKET OUTLETS</u>				
(1)	Power Socket, 0.3m (1Gang)	18.00	Nos		
(2)	Power Socket, 0.3m (2 Gang)	29.00	Nos		
(3)	Power Socket, 1.8m (2 Gang)	5.00	Nos		
(4)	15A Power Socket, (AC Socket)	33.00	Nos		
(5)	13A Power Socket (1 Gang) ceiling mount	12.00			
(6)	Access control & power socket	27.00	Nos		
10.6	<u>SWITCHES</u>				
(1)	One way switch, 1.2m (1 Gang)	13.00	Nos		
(2)	One way switch, 1.2m (2 Gang)	35.00	Nos		
(3)	One way switch, 1.2m (4Gang)	25.00	Nos		
(4)	Fan Regulator	3.00	Nos		
10.7	<u>CABLETRAY</u>				
	Supply and installation of powder coated cable trays for electric and data cables as per requirement.	1.00	item		

10.8	<u>AIR CONDITIONING SYSTEM</u> a) Rate shall include for all necessary electrical wiring, conduits, fittings, equipments and accessories required for complete Air condition system and drain pipes incl. out door trenches etc. and similar. b) AC Rates shall include for all necessary installation of pipe, fittings & fixtures of air conditioning system shall be executed in conformance to the manufacturers specifications, to adhere with the owner's requirement and as per the drawings. c) Contractor has to submit the shop drawings along with indoor and out door unit capacities. d) Air Conditioner shall be ceiling cassette split type air-condition system as per approved shop drawings				
10.8.1	<u>Ground Floor</u> (1) 9000 BTU AC unit (2) 12000 BTU AC unit (3) 18000 BTU AC unit (4) 24000 BTU AC unit (5) 36000 BTU AC unit	14.00 4.00 8.00 2.00 1.00	Nos Nos Nos Nos Nos		
10.8.2	<u>First Floor</u> (1) 9000 BTU AC unit (2) 12000 BTU AC unit (3) 18000 BTU AC unit	1.00 2.00 3.00	Nos Nos Nos		
BILL No: 10 - ELECTRICAL & SPECIFIC INSTALLATIONS TOTAL OF BILL No: 10- Carried over to summary					

Bill No: 11				
<u>NETWORKING AND FIRE SAFETY</u>				
<u>General</u>				
a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories.				
e) Net Working rated should including with the cable, conduits, boxes and DBs fixing and necessary items including screws and nails etc.				
11.1	<u>IT NET WORKING</u>			
	Provide & install with all necessary wiring, fittings & accessories IT Network System for the entire building as per drawings, specifications & contractor's shop drawings shall subject to consultants approval.			
(1)	IT networking cable with modules etc. including DBs and connections and HUBs etc.	1.00	Item	
(2)	Network Socket (Single)	19.00	Points	
(3)	Network Socket (Double)	28.00	Points	
(4)	Wi-Fi Router	5.00	Points	
(5)	IP Camera	37.00	Points	
(6)	IP Camera (Vandal Proof)	16.00	Points	
(7)	Access Control System	27.00	Points	
11.2	<u>Cable TV Extension</u>			
(1)	Provide & install Fiber optic cable TV extensions with all necessary wiring, fittings & accessories	5.00	Points	
(2)	Cable TV socket outlets	5.00	Nos	
11.3	<u>FIRE FIGHTING</u>			
	Rate shall include for all necessary electrical wiring and accessories required for completion of fire fighting system installation in accordance with the drawings,			
11.3.1	<u>Firefighting Equipments</u>			
	Provide & install fire fighting equipment inclusive of all necessary connection as per drawing.			
(1)	Smoke detector (Battery operated)	31.00	Nos	
(2)	Dry Chemical Powder Extinguisher 9 kg with cabinet	8.00	Nos	
(3)	CO2 Extinguisher 2 kg with cabinet	8.00	Nos	
(4)	H2O Extinguisher 9 liter with cabinet	8.00	Nos	
(5)	"Fire Exit" Sign	6.00	Nos	
BILL No: 11 - NETWORKING AND FIRE SAFETY				
TOTAL OF BILL No: 11 - Carried over to summary				

BILL No: 12				
<u>FURNITURE</u>				
<u>GENERAL</u>				
(a) The contractor must ensure actual site dimensions				
(b) Assembling price must be included.				
(c) The contractor must ascertain that the work characters stipulated herein must complete the whole of the work. No change or variation whatsoever must be entertained unless or otherwise the written instructions from the owner.				
(d) Catalog must be included and all materials must be of approved (superior) quality delivered and fixed in the first class workmanship				
[e] Contractor must refer given Floor layouts (Architectural floor plans) for furniture orientation and dimensions. E.g.: Left sided and right sided workstations shown in floor plans.				
[f] Use Pictures given in Furniture Information for reference Only. Final furniture selection will be carried out after further discussion (Catalogues will be required) with the project winning contractor)				
[g] Furniture approval: For furniture's ordering from abroad, price must include 2 persons travelling costs. (transportations, ticket, accommodation and food)				
(1)	HIGH BACK CHAIR (HS) High Back black faux leather chair Swivel chair with hydraulic height adjustment Polypropylene arm rest Lockable reclining system Material : Faux leather Colour: Black	6.00	Nos	
(2)	MEDIUM BACK CHAIR (MC) Seat: 508mm W x 457 D Swivel chair with hydraulic height adjustment Polyurethane arm rest Lockable reclining system Material : Fabric Colour: Black	19.00	Nos	
(3)	WORK STATION (ST) Table Dimension 1200mm x 600mm Attached drawer set (L390 x B450 x H720) Wire management and cable grommet Material :Solid Wood / Ready made wood Colour: Maple/Beech CPU holder must be included Design: Send catalogue for approval	15.00	Nos	
(4)	12 COMPARTMENT STEEL LOCKER (LS) Dimension: L915 x W381x H1828mm Material: Steel with epoxy coated Colour: Light grey	6.00	Nos	

(5)	4 SEATER METAL BENCH (MB) Metal 4 seater visitor bench Colour: Silver/ Black Metal chrome plated armrests Material: Steel Upholstered seats	2.00	Nos		
(6)	18 COMPARTMENT STEEL LOCKER (LC) Dimension: L1143 x W381x H1828mm Material: Steel with epoxy coated 0.6 mm thick mild steel with fully epoxy powder coated Colour: Light grey	3.00	Nos		
(7)	TABLE (TB) Dimension: 600mm x 600mm Wooden table Colour: Maple/beech	3.00	Nos		
(8)	STEEL RACK (SR, SR1)				
8a	SR Dimensions : L5359mm x W600mm x H2500mm 4 compartment adjustable slotted angle rack	1.00	Nos		
8b	SR1 Dimensions : L2500mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	1.00	Nos		
8c	SR2 Dimensions : L4050mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	1.00	Nos		
8d	SR3 Dimensions : L4077mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	1.00	Nos		
(9)	FILE RACK (SH) Dimensions: H1745 x W1175 x D295mm Material: Wood Colour: Wenge/walnut	5.00	Nos		
(10)	5 SEAT BEAM (HC) Heavy duty Steel frame chair with plastic seat and back Floor fixed Colour & Design: Send for approval	3.00	Nos		
(11)	VISITOR CHAIR (VC) Swivel chair with hydraulic height adjustment Polyurethane arm rest Lockable reclining system Material : Fabric Colour: Black Send design for approval	2.00	Nos		
(12)	WORK STATION (IT) Desk (1500mm x 1450mm) with cable grommet Attached drawer set (L415 x B460 x H580) Wire management Material :Solid Wood / Ready made wood Colour: Maple CPU Holder Must be included Refer drawing for table orientation	2.00	Nos		

(13)	MEETING TABLE (MT) Seating for 4 person Must have Cable grommet Dimension:1820mm x 990mm Material:Solid Wood Colour: Wenge	1.00	Nos		
	4 Medium back (faux)Leather chair Design & Colour: Send catalogue for approval	4.00	Nos		
(14)	SWIVEL CHAIR FLOOR FIXED (SC) Metal swivel chair fixed to the floor, with seat and back in plastic Colour & Design: send catalogue for approval	4.00	Nos		
(15)	WAITING ROOM SOFA SET (SO) Commercial grade sofa set 3 seater + 1 seater Coffee table included Material: Black PVC Design: Send catalogue for approval	1.00	Nos		
(15)	STUDY TABLE (CLASS ROOM) Wooden study table size 1200mm x 600mm with 3 low back chair	3.00	Nos		
(16)	GAME TABLE (CLASS ROOM) Standard quality game table, size 900mm x 900mm with 4 low back chair	1.00	Nos		
(17)	ONE SEATER SOFA (COUNSELING ROOM)	1.00	Nos		
(18)	PLASTIC CHAIR (GROOMING ROOM)	2.00	Nos		
(19)	MATTRESS (MT)				
19.1	Waterproof medical grade mattress with removable cover (Innerspring/foam), Mattress size 950x1880mm, thickness 4"	48.00	Nos		
19.2	Single size blanket	48.00	Nos		
19.3	Vaccum pillows	96.00	Nos		
19.4	Pillow cover	192.00	Nos		
19.5	Pillow cover protector	96.00	Nos		
19.6	Fitted bedsheet (Send designs for approval)	96.00	Nos		
(17)	STANDARD SIZE BASKET BALL POT WITH BACKBOARD (WALL MOUNT)	1.00	Nos		
(18)	STANDARD SIZE CARROM BOARD WITH COIN SET	1.00	Nos		
BILL No: 12 -FURNITURE					
TOTAL OF BILL No: 12 - Carried over to summary					

BILL No:12					
<u>ADDITIONS</u> a) Add all the Items to be included to BOQ into additions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.					
BILL No: 12 -ADDITIONS TOTAL OF BILL No: 12 - Carried over to summary					

BILL No:13					
<u>OMMISSIONS</u> a) Add all the Items to be deleted from BOQ into omissions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.					
BILL No: 13 -OMISSIONS TOTAL OF BILL No: 13 - Carried over to summary					

INFRASTRUCTURE AND BUILDING DEVELOPMENT
MALDIVES POLICE SERVICE
MALE' REP OF MALDIVES.

PROJECT: CONSTRUCTION OF ADDU CITY REGIONAL HEADQUARTER / GARAGE BUILDIND

CLIENT: MALDIVES POLICE SERVICE

LOCATION: S.FEYDHOO/ ADDU CITY

DATE: 23 MAY 2022

SUB-SUMMARY

Bill No	DESCRIPTION	AMOUNT (MVR)
1	BILL No: 01 - GROUND WORKS	
2	BILL No: 02 - CONCRETE	
3	BILL No: 03 - MASONRY AND PLASTERING	
4	BILL N0: 04 - CEILINGS	
5	BILL N0: 05 -DOORS AND WINDOWS	
6	BILL No: 06 -PAINTING & FINISHES	
7	BILL No: 07 - HYDRAULIC AND DRAINAGE	
8	BILL No: 08 - ELECTRICAL & SPECIFIC INSTALLATIONS	
9	BILL No: 09 -FURNITURE	
10	BILL No: 10 -ADDITIONS	
11	BILL No: 11-OMISSIONS	
	GRAND TOTAL CARRIED OVER TO MAIN SUMMARY	

GARAGE BUILDING

Item	Description	Qty	Unit	Rate	Amount
BILL No: 01					
	<u>GROUND WORKS</u>				
	<u>GENERAL</u>				
	(a) Rates must include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, back filling, consolidating and disposing surplus soil.				
1.1	<u>EXCAVATION</u>				
	Note: Excavation quantities are measured to the faces of concrete members. Rates must include for all additional excavation required to place the formwork/shuttering and dewatering the trenches for the required days.				
(1)	Excavation for Tie beam (TB)	41.04	m ³		
(2)	Excavation Footing (F1)	23.06	m ³		
(3)	Excavation Footing (F2)	9.41	m ³		
(4)	Excavation Footing (F3)	6.91	m ³		
(5)	Excavation for Staircase starter beam	0.15	m ³		
1.2	<u>BACK FILLING</u>				
	Note:(a) Rates must include for levelling, grading, trimming, compacting and similar.				
	(b) Ground need to be compacted to the required density by the consultant.				
(1)	Earth filling for Tie Beam & below ground masonry wall	23.37	m ³		
(2)	Earth filling for Footings (F1, F2 & F3)	27.23	m ³		
(3)	Well compacted earth filling under ground slab	88.14	m ³		
1.3	<u>DAMP PROOF MEMBRANE</u>				
1.3.1	Note: Rates must include for: dressing around and sealing to avoid all penetrations, laps and turnups. Polythene damp proof membrane (500 gauge) under:-				
(1)	Tie Beam	22.80	m ²		
(2)	Footings (F1, F2& F3)	32.82	m ²		
(3)	Ground Slab	205.58	m ²		
1.3.2	Apply 2 coats of Masterseal or similar brush bond damp proof membrane on all concrete and masonry plastered surfaces below ground level and up to 300mm finished floor level in accordance with manufacturer's instructions.				
(1)	Tie Beam & staircase starter	115.60	m ²		
(2)	Footings (F1, F2 & F3)	60.18	m ²		
(3)	Below ground level and up to 300mm above floor level walls	182.40	m ²		
BILL No: 01 - GROUND WORKS					
TOTAL OF BILL No: 01 - Carried over to summary					

BILL No: 02				
	<u>CONCRETE</u> <u>GENERAL</u> (a) Rates must include for: provision to place in position; casting of all required Items and finishing after removal of formwork and additional concrete required to conform to structural and excavated tolerances. (b) Rates must include supply of all formwork Item including form oil, timber, plywood, nails etc. (c) Mix ratio for reinforced concrete must be 1:2:4 and lean concrete must be 1:3:6 by volume.			
2.1	<u>LEAN CONCRETE</u> Note: Quantity is measured to the edges of concrete members. Rates must be inclusive of any additional concrete required to place the formwork.			
(1)	50mm thick lean concrete to bottom of Tie Beams	22.80	m ²	
(2)	50mm thick lean concrete to bottom of Footings (F1, F2 & F3)	32.82	m ²	
2.2	<u>REINFORCED CONCRETE</u> Note: In-situ reinforced concrete to: Add water proofing compound to concrete mix for walls and cover slab below ground level.			
2.2.1	<u>Foundation</u>			
(1)	Tie Beam	9.12	m ³	
(3)	Footing (F1)	5.77	m ³	
(4)	Footing (F2)	2.35	m ³	
(5)	Footing (F3)	1.73	m ³	
(7)	Columns C1,	0.62	m ³	
(9)	Staircase starter	0.15	m ³	
2.2.2	<u>Ground Floor</u>			
(1)	Columns C1,	4.48	m ³	
(2)	100mm thick ground slab	19.87	m ³	
(3)	Lintel beam (150x150mm) & Sill beam	0.64	m ³	
(4)	Lintel beam for roller shutter door (150x200mm)	0.12	m ³	
(5)	Staircase including waist, raise, going, midlanding, etc.. up to first floor level.	1.53	m ³	
2.2.3	<u>First Floor</u>			
(1)	Columns C1,	4.29	m ³	
(2)	Attached Beams B1	4.81	m ³	
(3)	Attached Beams B2	2.89	m ³	
(4)	Attached Beams B3	5.03	m ³	
(5)	150mm & 160mm thick RCC Slab	30.63	m ³	
(6)	Lintel beam (150x150mm) & Sill beam	2.54	m ³	
2.2.4	<u>Roof Level</u>			
(1)	Attached Beams B4	3.99	m ³	
(2)	Attached Beams B5	1.33	m ³	
(3)	Attached Beams B6	5.03	m ³	
(4)	150mm thick RCC Roof Slab (included kicker & drop)	40.39	m ³	

2.3	<u>FORMWORK</u> Note: Rates must include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, Grounds, hangers, pipes and removal of formwork.				
2.3.1	<u>Foundation</u>				
(1)	Tie Beam	91.20	m ²		
(2)	Footing (F1)	14.88	m ²		
(3)	Footing (F2)	6.72	m ²		
(4)	Footing (F3)	5.76	m ²		
(5)	Columns C1,	9.60	m ²		
(6)	staircase starter	3.40	m ²		
2.3.2	<u>Ground Floor</u>				
(1)	Columns C1,	67.20	m ²		
(2)	100mm thick ground slab	7.14	m ²		
(3)	Lintel beam (150x150mm) & Sill beam	12.87	m ²		
(4)	Lintel beam for roller shutter door (150x200mm)	2.28	m ³		
(5)	Staircase including waist, raise, going, midlanding, etc.. up to first floor level.	15.43	m ²		
2.3.3	<u>First Floor</u>				
(1)	Columns C1,	64.32	m ²		
(2)	Attached Beams B1	47.25	m ²		
(3)	Attached Beams B2	28.35	m ²		
(4)	Attached Beams B3	61.53	m ²		
(5)	150mm thick RCC Slab	205.66	m ²		
(6)	Lintel beam (150x150mm) & Sill beam	50.78	m ²		
2.3.4	<u>Roof Level</u>				
(1)	Attached Beams B4	48.30	m ²		
(2)	Attached Beams B5	16.10	m ²		
(3)	Attached Beams B6	61.53	m ²		
(4)	150mm thick RCC Roof Slab (included kicker)	314.67	m ²		
2.4	<u>REINFORCEMENT</u> Note: (a) Rates must include for: cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including Ground wire and chair supports, laps and wastage. (b) All reinforcing bars except 6mm dia bars must be high strength deformed bars. (c) The exact length exclusive of laps are given. The rates must take into account laps and any wastage.				
2.4.1	<u>Foundation</u>				
(1)	16mm dia. bars in Tie Beam	0.72	t		
(2)	12mm dia. bars in Tie Beam	0.41	t		
(3)	6mm dia. bars in Tie Beam	0.20	t		
(4)	12 mm dia. bars in Footing (F1, F2, F3)	0.32	t		
	Columns C1				
(5)	16 mm dia. bars in Columns	0.10	t		
(6)	6mm dia. bars in Columns	0.03	t		
	<u>Staircase starter</u>				
(7)	12mm dia. bars in stair case	0.04	t		

2.4.2	<u>Ground Floor</u>				
(1)	12 mm dia. bars in 100mm thick ground slab	1.41	t		
	Columns C1				
(2)	16 mm dia. bars in Columns	0.71	t		
(3)	6mm dia. bars in Columns	0.20	t		
	<u>Staircase</u>				
(4)	12 mm dia. bars in stair case	0.34	t		
2.4.3	<u>First Floor</u>				
	Columns C1				
(1)	16 mm dia. bars in Columns	0.68	t		
(2)	6mm dia. bars in Columns	0.19	t		
	<u>First floor Beams (B1, B2 & B3)</u>				
(3)	25 mm dia. bars in first Beams	0.03	t		
(4)	20 mm dia. bars in first Beams	1.09	t		
(5)	16 mm dia. bars in first Beams	0.44	t		
(6)	6 mm dia. bars in first Beams	0.49	t		
	<u>first Slab</u>				
(7)	10 mm dia. bars in slab	2.92	t		
2.4.4	<u>Roof Level</u>				
	<u>Roof Beam (B4,B5 & B6)</u>				
(1)	25 mm dia. bars in Beams	0.30	t		
(2)	16 mm dia. bars in Beams	1.08	t		
(3)	6 mm dia. bars in Beams	0.36	t		
	<u>Roof Slab</u>				
(4)	10 mm dia. bars in slab	3.88	t		
2.4.5	<u>RCC lintel beams</u>				
	As per the drawings lintel beams on all doors shown in the sectional drawings with the reinforcement, shuttering, plastering, etc.....				
	<u>Lintel beams & sill beam on all doors</u>				
(1)	10 mm dia. bars in lintel beam (150x150mm)	0.36	t		
(2)	6mm dia. bars in lintel beam (150x150mm)	0.34	t		
2.5.	<u>OTHER CONCRETE WORKS</u>				
(1)	Soak pits as per detail drawing (Rate must include for completion of all necessary works)	3.00	Item		
(2)	Vehicle Ramp as per drawing	1.00	item		
BILL No: 02 - CONCRETE					
TOTAL OF BILL No: 02 - Carried over to summary					

BILL No: 03				
<u>MASONRY AND PLASTERING</u>				
<u>GENERAL</u>				
(a) Rates must include for: blocks, cutting or leaving holes and openings as recesses, building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames.				
(b) Mix ratio for Plastering & masonry must be 1:4 Cement Mortar, Ground rods, compression gap filler, nylon / plastic mesh as specified.				
3.1	<u>ALL EXTERNAL WALLS</u> (150mm thick solid blocks wall)			
(1)	Under ground	34.97	m ²	
(2)	Ground floor	211.75	m ²	
(3)	First floor	212.36	m ²	
3.2	<u>ALL INTERNAL WALLS</u> (150mm thick solid block walls)			
(1)	Under ground	22.03	m ²	
(2)	Ground floor	75.86	m ²	
(3)	First floor	165.10	m ²	
3.3	<u>PLASTERING</u>			
3.3.1	a) 25mm thick cement plastering (12mm rough layer & 12mm top layer) on EXTERNAL WALLS and concrete surfaces with 1:4 Cement mortar mix as specified incl. wire mesh at joints of concrete surfaces and walls (first, second coats).			
(1)	Under ground (bothside)	69.94	m ²	
(2)	Ground floor	211.75	m ²	
(3)	First floor	212.36	m ²	
3.3.2	Note: 12mm Thick cement plastering on all INTERNAL WALLS and concrete surface with 1:4 cement mortar mix as specified incl. wire mesh at joints of concrete surfaces and walls (one coats).			
(1)	Under ground (bothside)	139.88	m ²	
(2)	Ground floor	363.47	m ²	
(3)	First floor	542.56	m ²	
3.4	<u>CEMENT SCREED FINISH</u>			
Note: 50mm Thick cement screed on the concrete floor with 1:4 cement mortar mix incl. float finish to receive the tiles.				
(1)	Ground floor	195.79	m ²	
(2)	First floor	195.79	m ²	
(3)	Roof slab	246.68	m ²	
BILL No: 03 - MASONRY AND PLASTERING				
TOTAL OF BILL No: 03 - Carried over to summary				

BILL NO: 04				
<u>CEILING AND METAL WORKS</u>				
<u>GENERAL</u>				
a) Rates must include for: all fabrication work, welding, marking, drilling for bolts incl. steel Flanges, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws.				
b) Rates must include for fabrication and erection and temporary supports and fixing into position.				
Rates must include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and timber beading, etc..... similar nail and screws.				
4.1	<u>ALUMINIUM FRAME GYPSUM BOARD CEILING</u>			
	6 mm thk. Gypsum/Smart Board Ceiling System with 0.6-1.0 mm tk Aluminum framing @600mm c/c both ways and smoothed with putty including beading, nails and screws.			
(1)	First Floor	131.62	m ²	
4.2	<u>CEILING ACCESS PANEL</u>			
	450 x450mm access panel. Rates must include all necessary framing, screws, hook etc.			
(1)	First Floor	12.00	Nos	
4.3	<u>Staircase Railing</u>			
	Supply and fix SS pipe railing with polish finish as per the drawing.			
(1)	50mm dia SS Pipe railing in staircase	16.56	m	
(2)	25mm dia SS Pipe railing in staircase	20.89	m	
BILL NO: 04 - CEILINGS				
TOTAL OF BILL No: 04 - Carried over to summary				

BILL NO: 05				
	<u>DOORS AND WINDOWS</u> <u>GENERAL</u> (a) Rates must include for locks, latches, closures, push plates, pull handles, bolts, kick plates, hinges, door closer, door stoppers and all door & window hardware. (b) Rates must include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boarding, framing, lining, fastenings and all fixings. (c) All Aluminum door and windows must be 60-80 micron aluminum. (d) All Timber doors must Solid timber paneled door with paint finish. (Rate: must include for application of wood putty) (e) All GI pipe grill doors must be fillet welded and fixed by anchor bolts to beams and columns (f) All windows must be sealed by sikaflex-221i or Equivalent & must be aproved by consultant (g) Submit accessories and shop drawing for aproval (h) contractor must refer detail drawing and if any chemical was shown in drawing must be approved by consultant.			
5.1	<u>Roller shutter door units (automatic)</u>			
(1)	Door ST1	4.00	Nos	
5.2	<u>Metal door units</u>			
(1)	Door D01	7.00	Nos	
(2)	Door D02	2.00	Nos	
5.3	<u>Fiber door units</u>			
(1)	Door D03	1.00	Nos	
5.4	<u>Aluminum window units</u>			
(1)	Window W01	16.00	Nos	
(2)	Window V01	1.00	Nos	
(3)	Fixed Glass FG	6.00	Nos	
5.5	<u>BLINDS & CURTAIN</u>			
	<u>GENERAL</u> Note: Supply and fixing of blind and curtain. Rates must include for all accessories and completion of all necessary works. Specifications manufactures details must be submitted for consultants approval.			
5.5.1	Vertical BLINDS (Refer Detail)			
(1)	Window W01 (office area only)	5.00	Nos	
(2)	Frost Sticker Fixed glass windows and equipment store room 7 Gudhan	11.00		
BILL NO: 05 -DOORS AND WINDOWS				
TOTAL OF BILL No: 05 - Carried over to summary				

BILL NO: 06				
	<u>PAINTING & FINISHES</u>			
	<u>GENERAL</u>			
	(a) Rates must include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and/or masking floors, fittings and any other similar works to ensure the required finish.			
	(b) All painting work must be carried in accordance with the Specifications of "SAMHWA PAINT or Equivalent".			
	(c) Rates for tiling must include for: fixing, bedding, grouting, Pointing, finishing and any other similar works to ensure the required finish.			
6.1	<u>FLOOR FINISHES</u>			
6.1.1	<u>Ground Floor</u>			
(1)	600x600mm porcelain tiles (gudhan & etrance area)	59.76	m ²	
(2)	300x300mm non-skid porcelain tiles	1.55	m ²	
(3)	300x600mm porcelain wall tiles (full height)	15.44	m ²	
(4)	Non-skid porcelain tiles with porcelain nosing strip on stair (stair case tiles & main etrance steps)	11.92	m ²	
6.1.2	<u>First Floor</u>			
(1)	600x600mm porcelain tiles	189.40	m ²	
6.2	<u>Tile Skirting</u>			
	Note: Rates must include for: Cutting and installation of 100mm height tile skirting. Fix as per manufactures instructions.			
(1)	Ground Floor	22.20	m	
(2)	First Floor	172.80	m	
6.3	<u>WATER PROOFING</u>			
	Rates must include for: dressing around and sealing to all penetrations.			
(1)	Apply 2 coats Master seal 550 or equivalent type water proofing material to the surface of roof slab and toilets in accordance with the specifications and manufacturer's instruction.	248.23	m ²	
6.4	<u>WALLS / CONCRETE SURFACES</u>			
6.4.1	Note: Oil based emulsion paint system with textured finish on plastered and concrete surfaces of all EXTERNAL WALL . 2 coat of wall sealer, 1 coat of textured and 2 coat of paint.			
(1)	Ground floor	211.75	m ²	
(2)	First floor	212.36	m ²	

6.4.2	Note: Emulsion paint mat finish surfaces of all INTERNAL WALL. Rate must include putty, 2 coat of wall sealer and 2 coat of paint.				
(1)	Ground floor	363.47	m ²		
(2)	First floor	542.56	m ²		
6.5	<u>CEILING / SOFFIT OF SLAB</u> Note: Emulsion paint oil based finish surfaces of all EXTERIOR CEILING and Emulsion paint mat finish surfaces of all INTERIOR CEILING .Rate must include putty, 1 coat of wall sealer and 2 coat of paint.				
6.5.1	<u>ALUMINIUM FRAME GYPSUM BOARD CEILING</u>				
(1)	First Floor	131.62	m ²		
6.5.2	<u>SOFFIT OF SLAB</u>				
(1)	Ground Floor and first floor (including external)	309.38	m ²		
6.6	<u>FLOOR</u>				
(1)	Application of 1 coats of non-skid Epoxy floor paint, finishes on workshops and garage areas	135.24	m ²		
BILL No: 06-PAINTING & FINISHES TOTAL OF BILL No: 06 - Carried over to summary					

BILL No: 7			
<u>HYDRAULICS & DRAINAGE</u>			
<u>GENERAL</u>			
(a) Rates must include for sockets, running joints, connectors, elbows, junctions, valves, reducers, expansion joints, backmost and similar, incidental fittings, clips saddles, brackets, straps, hangers, screws, nails and fixing complete, including cutting and forming holes, excavating, laying pipes and backfilling trenches.			
(b) All pipe work and fittings must be high pressure UPVC.			
(c) Rates must include for supply and fixing of all pipes.			
(d) The Contractor must submit shop drawing for the entire installation, including installation details for all items required for approval of the Consultant.			
(e) Record drawing During Construction; the Contractor must keep an accurate record of all deviations between the work as shown on the Contract Drawings and that which is actually installed			
(f) The Contractor must make a complete record of all changes and revisions in the original design which exist in the completed work, and submit the drawings after completion of project.			
7.1	<u>PIPE WORK</u>		
(1)	Allow for ground water connection and internal pipe works well to all toilets, workshops & garage inculde. supply and laying of all pipe works.	1.00	Item
(2)	Allow for fresh water connection to all toilets, workshops & garage inculde. supply and laying of all pipe works.	1.00	item
7.2	<u>SANITARY FIXTURES & ACCESSORIES</u>		
Note: (a) Sanitary fixtures complete including brackets, stop valves, fittings etc.			
(b) All sanitary fittings must be of 'COTTO' or Equivalent".			
(c) All fixtures must be of 'COTTO' or Equivalent".			
(d) All pipes must be of 'UPVC' .			
(1)	Water Closets	1.00	Nos
(2)	Oval Wash Basins	1.00	Nos
(3)	Mirror with accessories	1.00	Nos
(4)	Floor drain	5.00	Nos
(5)	Muslim Shower	1.00	Nos
(6)	Wash basins tap	1.00	Nos
(7)	Low level taps	3.00	Nos

7.3	<u>DRAINAGE & DISCHARGE PIPEWORK</u> Note: (a) Rates must include for excavation, maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion joints and all joints and other incidental materials. (b) All pipework must be UPVC				
(1)	All pipe connection from fixtures and up to the inspection chamber.	1.00	Item		
(2)	Connecting to the Septic tank/sewage pipe	1.00	Item		
(3)	75mm ø PVC Rainwater down pipe from roof to the soak pits.	1.00	item		
7.4	<u>INSPECTION CHEMBER(refer details)</u>				
(1)	RCC Inspection Chambers for toilets with PVC screening net.	1.00	Nos		
BILL No: 07 - HYDRAULIC AND DRAINAGE TOTAL OF BILL No: 07 - Carried over to summary					

BILL No: 08				
<u>ELECTRICAL & SPECIFIC INSTALLATIONS</u>				
<u>GENERAL</u>				
(a) Design, provide and install electrical network for the entire building complete in accordance to the standards set by the local governing body				
(b) Rates must include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories				
(c) Rates for work in trench must include for: excavation, maintaining faces of excavations, backfilling, compaction, appropriate cable covers, warning tape and disposal of surplus spoil.				
(d) Rates for electrical isolators, conduits, fittings, equipment and similar Items must include for: all fixings to various building surfaces.				
(e) Light end and switch end of wiring together measured as one Point.				
(f) A Point wiring for power Points is measured as one Point for each socket outlet; other end of wire is not included in the quantity.				
(g) Rates must include for supply and complete installation.				
(h) The Contractor must submit shop drawing for the entire installation, including installation details for all items required for approval of the Consultant.				
(i) Record drawing During Construction; the Contractor must keep an accurate record of all deviations between the work as shown on the Contract Drawings and that which is actually installed				
(j) The Contractor must make a complete record of all changes and revisions in the original design which exist in the completed work, and submit the drawings after completion of project.				
8.1	<u>MAIN CONNECTIONS</u>			
(1)	Allow for connection from main panel board to garage distribution boards.	1.00	Item	
8.2	<u>ELECTRICAL BOARDS</u>			
Note: Complete installation, including for all connections, earthing, painting, testing and similar of:				
(1)	Three Phase Distribution Board	6.00	Nos	
8.3	<u>ELECTRICAL WIRING</u>			
Note: Electrical wiring with copper conductor cable in conduits in walls and concrete as per government regulations including necessary D-boards at each level.				
(1)	Wiring to Lights	116.00	Points	
(2)	Wiring to Socket outlets & switch.	61.00	Points	

8.4	<u>LIGHTING</u> Note: All lights must be of 'PHILIPS brand or equivalent', all switches, sockets etc. must be 'LEGRAND brand or equivalent'.				
(1)	Ceiling recessed 18W LED light	110.00	Nos		
(2)	Wall fixed weather proof 24W LED light (provide programmable timer breaker inside D/B)	6.00	Nos		
(3)	Emergency light 2 hours non maintained. (provide 13A single socket @ 2.6m)	10.00	Nos		
(4)	One way switch 1.2m (4G)	10.00	Nos		
(5)	One way switch 1.2m (2G)	8.00	Nos		
(6)	13A power socket 0.3m (2G)	21.00	Nos		
(7)	15A power socket weather proof @ 0.3m (2G)	5.00	Nos		
(8)	13A power socket weather proof @ 0.3m (2G)	7.00	Nos		
8.5	<u>IT NETWORK & landline</u> Provide & install with all necessary wiring, fittings & accessories IT Network System for the entire building as per drawings, specifications & contractor's shop drawings subject to consultants approval.				
(1)	Internet outlet extension sockets (double gang with separate cable)	15.00	Nos		
(2)	CCTV camera Point	5.00	Nos		
(3)	controlled (card) access Point with power socket	5.00	Nos		
8.6	<u>FIRE FIGHTING</u> Provide & install fire fighting equipment inclusive of all necessary connection as per local regulations as described.				
(1)	CO2 Fire Extinguisher(2kg)	4.00	Nos		
(2)	H2O Water Extinguisher(9ltr, 13A)	4.00	Nos		
(3)	Fire exit sign	4.00	Nos		
8.6	<u>AIR-CONDITIONING SYSTEM</u> Air Conditioner must be a Multi Type Ceiling Cassette system as per the drawings and specification. Rate must Includes of all indoors units & Out door units including materials supply and installation etc. (Contractor has to submit the shop drawings along with indoor unit capacities and out door capacity)				
(1)	24000 BTU air conditioner with 15A socket	4.00	Nos		
(2)	18000 BTU air conditioner with 15A socket	2.00	Nos		
(3)	12000 BTU air conditioner with 15A socket	1.00	Nos		
(4)	9000 BTU air conditioner with 15A socket	4.00	Nos		
8.7	<u>Mechanical ventilation</u>				
(1)	Stainless steel duct vention with KDK or Equivalent industrail high pressire (reversible) 30cm ventilating fan (30GSE) inculde aluminum grille on both side insect PVC net	1.00	Item		
BILL No: 08 - ELECTRICAL & SPECIFIC INSTALLATIONS					
TOTAL OF BILL No: 08- Carried over to summary					

BILL No: 09				
	<u>FURNITURE</u> <u>GENERAL</u> (a) The contractor must ensure actual site dimensions (b) Assembling price must be included. (c) The contractor must ascertain that the work characters stipulated herein must complete the whole of the work. No change or variation whatsoever must be entertained unless or otherwise the written instructions from the owner. (d) Catalog must be included and all materials must be of approved (superior) quality delivered and fixed in the first class workmanship [e] Contractor must refer given Floor layouts (Architectural floor plans) for furniture orientation and dimensions. E.g.: Left sided and right sided workstations shown in floor plans. [f] Use Pictures given in Furniture Information for reference Only. Final furniture selection will be carried out after further discussion (Catalogues will be required) with the project winning contractor) [g] Furniture approval: For furniture's ordering from abroad, price must include 2 persons travelling costs. (transportations, ticket, accommodation and food)			
(1)	EXECUTIVE WORKSTATION (EX) Writing Table 1500 x700x750 mm with cable grommet Side Table: 1000x450mm Drawer set must be included Material: Solid Wood/Ready made wood Colour: Colour and design send for approval	3.00	Nos	
1a	High cabinet (1200x 395mm) Colour: Colour and design send for approval	3.00	Nos	
1b	High Back, Black Faux Leather Chair (HC) *Check Furniture layout for Table orientation ex: Left or right	3.00	Nos	
(2)	MEDIUM BACK CHAIR (MC) Seat: 508mm W x 457 D Swivel chair with hydraulic height adjustment Polyurethane arm rest Lockable reclining system Material : Fabric Colour: Black	12.00	Nos	

(3)	STEEL RACK				
3a	SR Dimensions : L5559mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	2.00	Nos		
3b	SR1 Dimensions : L6800mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	1.00	Nos		
3c	SR2 Dimensions : L4563mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	3.00	Nos		
3d	SR3 Dimensions : L3075mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	3.00	Nos		
3e	SR4 Dimensions : L2300mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	1.00	Nos		
3f	SR5 Dimensions : L2820mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	1.00	Nos		
3g	SR6 Dimensions : L4250mm x W600mm x H2000mm 4 compartment adjustable slotted angle rack	1.00	Nos		
(4)	FILE RACK (SH) Dimensions: H1745 x W1175 x D295mm Material: Wood Colour: Wenge/walnut	2.00	Nos		
(5)	WORK STATION (LT) <u>Table dimension 1200mm x 1200mm</u> Attached drawer set (L390 x B450 x H720) Wire management and cable grommet Material :Solid Wood / Ready made wood Partition fabric colour: *send colour options for approval Colour: Maple/ beech CPU Holder Must be included.	3.00	Nos		
5a	Partitions - FRONT (1200 x 1200mm) as per drawing	3.00	Nos		
5b	Partitions - SIDE (600 x 1200mm) as per drawing	3.00	Nos		

(6)	WORK STATION (RT) <u>Table dimension 1200mm x 1200mm</u> Attached drawer set (L390 x B450 x H720) Wire management and cable grommet Material :Solid Wood / Ready made wood Partition fabric colour: *send colour options for approval Colour: Maple/Beech CPU Holder Must be included.	3.00	Nos		
	6a Partitions - FRONT (1200 x 1200mm) as per drawing	3.00	Nos		
	6b Partitions - SIDE (600 x 1200mm) as per drawing	3.00	Nos		
BILL No: 09 -FURNITURE TOTAL OF BILL No: 09 - Carried over to summary					

BILL No: 10					
	<u>ADDITIONS</u> a) Add all the Items to be included to BOQ into additions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.				
BILL No: 10 -ADDITIONS					
TOTAL OF BILL No: 10 - Carried over to summary					
BILL No:11					

OMMISSIONS

a) Add all the Items to be deleted from BOQ into omissions bill and attach additional sheets if necessary by mentioning the bill nos & sheet nos etc.

BILL No: 11 -OMISSIONS

TOTAL OF BILL No: 11 - Carried over to summary