

Bill of Quantities
Construction of
JUVENILE DETENTION FACILITY

INFRASTRUCTURE AND BUILDING DEVELOPMENT

MALDIVES POLICE SERVICE

MALE' REP OF MALDIVES.

PROJECT: CONSTRUCTION OF JUVENILE DETENTION FACILITY**CLIENT:** MALDIVES POLICE SERVICE**LOCATION:** K. DHOONIDHOO**DATE:** 13 AUGUST 2023**SUMMARY**

Bill No	DESCRIPTION	AMOUNT (MVR)
1	BILL NO: 01 -PRELIMINARIES	-
2	BILL No: 02 - GROUND WORKS	-
3	BILL No: 03 - CONCRETE	-
4	BILL No: 04 - MASONRY AND PLASTERING	-
5	BILL NO: 05 - CEILING AND METAL WORKS	-
6	BILL NO: 06 -DOORS AND WINDOWS	-
7	BILL No: 07 -PAINTING & FINISHES	-
8	BILL No: 08 - HYDRAULIC AND DRAINAGE	-
9	BILL No: 09 - ELECTRICAL & SPECIFIC INSTALLATIONS	-
10	BILL No: 10 - FURNITURE	-
11	BILL No: 11 - ADDITIONS	
12	BILL No: 12- OMISSIONS	
	TOTAL AMOUNT	-
	GST 8%	-
	GRAND TOTAL (MVR)	-

BILL OF QUANTITIES

Item	Description	Qty	Unit	Rate	Amount(MVR)
BILL NO: 01					
	<u>PRELIMINARIES</u>				
	<u>Abbreviations</u> m - metre Nos - numbers m ³ - cubic metre m ² - square metre Lm - Linear metre t - tonnes incl - including mm - millimetre dia - diameter SS - Stainless Steel GI - Galvanised 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 similler.	1.00	Item		
1.2	<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		
1.3	<u>SIGN BOARD</u>				
(1)	Allow for sign board	1.00	Item		
1.4	<u>CLEAN - UP</u>				
(1)	Allow for clean- up of completed works and site up on completion.	1.00	Item		
1.5	<u>SAFETY</u>				
(1)	Safety - Providing and fixing scaffolding with G.I. pipes and clamps and pvc netting all around the building during the construction.	1.00	Item		
1.6	<u>INSURANCE, BONDS, GUARANTEES & WARRANTIES</u>				
(1)	Insurances and Guarantees as stated in the general consditions.	1.00	Item		
1.7	<u>AS-BUILT DRAWINGS</u>				
(1)	Preparation and submission of "as-built" Drawings.	1.00	Item		
BILL NO: 01 -PRELIMINARIES					0.00
TOTAL OF BILL No: 01 - Carried over to summary					

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, back filling, 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)	18.07	m ³		
(2)	Excavation Footing (F1) 900x800x250mm	2.88	m ³		
(3)	Excavation Footing (F2) 700x700x250mm	2.74	m ³		
(4)	Excavation Footing (F3) 600x600x250mm	5.76	m ³		
(5)	Excavation for Ground beam GB (Including boundary wall)	8.48	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 Tie Beam ,Ground beam & below ground masonry wall	1.11	m ³		
(2)	Earth filling for Footings (F1, F2 & F3)	6.78	m ³		
(3)	Well compacted earth filling under ground slab	29.40	m ³		
(4)	Well compacted earth filling under RCC Bed	3.60	m ³		
2.3	<u>DAMP PROOF MEMBRANE</u>				
2.3.1	Note: Rates shall include for: dressing around and sealing to avoid all penetrations, laps and turnups. Polythene damp proof membrane (500 gauge) under:-				
(1)	Tie Beam	52.69	m ²		
(2)	Ground Beam (Including boundary wall)	14.22	m ²		
(3)	Footings (F1 , F2 & F3)	14.23	m ²		
(4)	Ground Slab	187.70	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)	Tie Beam	112.91	m ²		
(2)	Ground Beam and walls below ground level (both side)	84.30	m ²		
(3)	Footings (F1 , F2 & F3)	22.72	m ²		

(4)	Below ground level and upto 300mm above floor level walls	222.20	m ²		
BILL No: 02 - GROUND WORKS					0.00
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 1:2:3 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 bottom of Tie Beam & Ground Beam	44.68	m ²		
(2)	50mm thick lean concrete to bottom of Footings (F1, F2 & F3)	14.23	m ²		
3.2	<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.					
3.2.1	<u>Foundation</u>				
(1)	Tie Beam	10.54	m ³		
(2)	Ground Beam (Including boundary wall)	4.26	m ³		
(3)	Footings (F1 , F2 & F3)	3.56	m ³		
(4)	Columns C1,	0.38	m ³		
(5)	Columns C2,	0.06	m ³		
3.2.2	<u>Ground Floor</u>				
(1)	Columns C1,	4.35	m ³		
(2)	Columns C2,	1.30	m ³		
(3)	Ground slab (including exercise yard)	18.05	m ³		
(4)	Lintel beam (150x150mm)	0.82	m ³		
(5)	RCC Bunk Bed ,75mm bottom bed & 135mm top bed including lintel LB2	2.12	m ³		
(6)	Boundary wall Columns	3.45	m ³		

3.2.3	<u>Roof Level</u>			
(1)	Attached Beams B1	2.18	m ³	
(2)	Attached Beams B2	9.87	m ³	
(3)	Attached Beams CB	2.49	m ³	
(4)	150mm thick RCC Roof Slab (included 150mm kicker)	27.69	m ³	
(5)	150mm thick RCC Slab (Gate)	0.55	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	105.39	m ²	
(2)	Ground Beam (Including boundary wall)	40.48	m ²	
(3)	Footings (F1 , F2 & F3)	21.30	m ²	
(4)	Columns C1,	7.68	m ²	
(5)	Columns C2,	1.80	m ²	
3.3.2	<u>Ground Floor</u>			
(1)	Columns C1,	87.04	m ²	
(2)	Columns C2,	34.74	m ²	
(3)	Ground slab (including exercise yard)	13.79	m ²	
(4)	Lintel beam (150x150mm)	16.50	m ²	
(5)	RCC Bunk Bed ,75mm bottom bed & 135mm top bed inculding lintel LB2	26.90	m ²	
(6)	Boundary wall Columns	69.00	m ²	
3.3.3	<u>Roof Level</u>			
(1)	Attached Beams B1	27.22	m ²	
(2)	Attached Beams B2	123.33	m ²	
(3)	Attached Beams CB	24.89	m ²	
(4)	150mm thick RCC Roof Slab (included 150mm kicker)	213.14	m ²	
(5)	150mm thick RCC Slab (Gate)	4.90	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)	16 mm dia. bars in Tie Beam	0.95	t	
(2)	12 mm dia. bars in Ground Beam (Including boundary wall)	0.24	t	
(3)	6mm dia. bars in Tie Beam & Ground Beam	0.30	t	
(4)	12 mm dia. bars in Footings (F1 , F2 & F3)	0.19	t	
	Columns C1 & C2			
(5)	16 mm dia. bars in Columns	0.15	t	
(6)	12 mm dia. bars in Stiffener Columns	0.04	t	
(7)	6mm dia. bars in Columns	0.03	t	
3.4.2	<u>Ground Floor</u>			
(1)	10 mm dia. bars in ground slab (including exercise yard)	1.54	t	
	Columns C1 & C2			
(2)	16 mm dia. bars in Columns C1	0.69	t	
(3)	12 mm dia. bars in Columns C2 (Including boundary wall)	0.50	t	
(4)	6mm dia. bars in Columns C1 & C2	0.26	t	
	RCC Bunk Bed ,75mm bottom bed & 135mm top bed including lintel LB2			
(5)	12 mm dia. bars	0.03	t	
(6)	10 mm dia. bars	0.20	t	
3.4.3	<u>Roof Level</u>			
	<u>Roof Beam (B1,B2, & CB)</u>			
(1)	16 mm dia. bars in Roof Beam (B1,B2)	0.95	t	
(2)	12 mm dia. bars in Roof Beam (B1,B2, & CB)	0.25	t	
(3)	6 mm dia. bars in Roof Beam (B1,B2, & CB)	0.30	t	
	<u>Roof Slab</u>			
(4)	10 mm dia. bars in slab (Including gate top)	2.73	t	

3.4.4	<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 on all doors</u>				
(1)	10 mm dia. bars in lintel beam (150x150mm)	0.09	t		
(2)	6mm dia. bars in lintel beam (150x150mm)	0.04	t		
3.5	<u>OTHER CONCRETE WORKS</u>				
(1)	RCC Septic tank as per detailed drawings	1.00	item		
BILL No: 03 - CONCRETE					0.00
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 Plastering & masonry shall be 1:4 Cement Mortar, Ground rods, compression gap filler, nylon / plastic mesh as specified.				
4.1	<u>ALL EXTERNAL WALLS</u> (150mm thick solid blocks wall)				
(1)	Under ground	32.44	m ²		
(2)	Ground floor	325.61	m ²		
(3)	Boundary wall	216.15	m ²		
4.2	<u>ALL INTERNAL WALLS</u> (150mm thick solid block walls)				
(1)	Under ground	13.39	m ²		
(2)	Ground floor	231.42	m ²		
4.3	<u>PLASTERING</u>				
4.3.1	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	64.87	m ²		
(2)	Ground floor (both side)	651.22	m ²		
(3)	Boundary wall	466.80	m ²		

4.3.2	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 coats).				
(1)	Under ground	26.78	m ²		
(2)	Ground floor	462.83	m ²		
4.4	<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 (including exercise yard)	187.70	m ²		
(2)	Roof slab	193.25	m ²		
BILL No: 04 - MASONRY AND PLASTERING					0.00
TOTAL OF BILL No: 04 - Carried over to summary					
BILL NO: 05					
<u>CEILING AND METAL WORKS</u>					
<u>GENERAL</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.					
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 beeding, etc.... similar nail and screws.					
5.1	<u>ALUMINIUM FRAME GYPSUM BOARD CEILING</u>				
	9 mm thk. Gypsum Baord Ceiling System with 0.6-1.0mm tk Aluminum framing @600mm c/c bothways and smoothed with putty & painted including framing, beading, nails and screws.				
(1)	Ground Floor	90.59	m ²		
5.2	<u>ALUMINIUM FRAME CEMENT BOARD CEILING</u>				
	6 mm thk. Cement/Smart Baord Ceiling System with 0.6-1.0mm tk Aluminum framing @600mm c/c bothways and smoothed with putty including beading. nails and screws.				
(1)	Ground Floor	2.33	m ²		

5.3	<u>CEILING ACCESS PANEL</u> 450 x450mm access panel. Rates shall include all necessary framing, screws, hook etc.				
(1)	Ground Floor	11.00	Nos		
5.4	<u>Support frame table and chair</u>				
(1)	500x750 table with 1.5mm thk SS 304 sheet on top finishing and support frame 50x50 L-section , anchor bolt to wall (refer detail)	3.00	Nos		
(2)	400 dia chair with 1.5mm thk SS 304 sheet on top and bottom finishing , anchor bolt to floor (refer detail)	6.00	Nos		
5.5	<u>Bunk Bed Ladder</u>				
(10)	Bunk Bed Ladder using 50x100 2mm GI Square pipe and 3mm thick SS sheet as per drawing. Finished with Enamel Paint.	3.00	item		
BILL NO: 05 - CEILING AND METAL WORKS					0.00
TOTAL OF BILL No: 05 - Carried over to summary					
BILL NO: 06					
	<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) All Aluminium door abd windows shall be 60-80 micron aluminium.				
	(d) All Timber doors shall Solid timber paneled door with paint finish. (Rate should include wood putty)				
	(e) All GI pipe grill doors should be fillet welded and fixed by anchor bolts to beams and columns				
6.1	<u>GI Pipe door units</u>				
(1)	Door GD1	3.00	Nos		
(2)	Door GD2	3.00	Nos		
(3)	Door GD3	3.00	Nos		
(4)	Door GD4	3.00	Nos		

6.2	<u>Aluminum door units</u>				
(1)	Door D01	1.00	Nos		
(2)	Door D02	6.00	Nos		
(3)	Door D03	1.00	Nos		
(4)	Door D04	5.00	Nos		
(5)	Gate GT1	1.00	Nos		
6.3	<u>Aluminum window units</u>				
(1)	V01	6.00	Nos		
(2)	V02	1.00	Nos		
BILL NO: 06 -DOORS AND WINDOWS					0.00
TOTAL OF BILL No: 06 - Carried over to summary					
BILL NO: 07					
<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.					
7.1	<u>FLOOR FINISHES</u>				
7.1.1	<u>Ground Floor</u>				
(1)	600x600mm porcelain tiles	113.80	m ²		
(2)	300x300mm non-skid porcelain tiles	9.00	m ²		
(3)	600x300mm porcelain tiles on toilet walls (full Height.)	77.80	m ²		
7.2	<u>Tile Skirting</u>				
Note: Rates shall include for: Cutting and installation of 100mm height tile skirting. Fix as per manufactures instructions.					
(1)	Ground Floor	106.30	m		
7.3	<u>WATER PROOFING</u>				
Rates shall 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 in accordance with the specifications and manufacturer's instruction.	227.52	m ²		

7.4	<u>WALLS / CONCRETE SURFACES</u>				
7.4.1	Note: Oil based emulsion paint system with textured finish on plastered and concrete surfaces of all EXTERNAL WALL . 1 coat of wall sealer, 1 coat of textured and 2 coat of paint.				
(1)	Ground floor	651.22	m ²		
(2)	Boundary wall	466.80	m ²		
7.4.2	Note: Oil based Emulsion paint on surfaces of all INTERNAL WALL .Rate should include putty, 1 coat of wall sealer and 2 coat of paint.				
(1)	Ground floor	462.83	m ²		
7.5	<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 should include putty, 1 coat of wall sealer and 2 coat of paint.				
7.5.1	<u>ALUMINIUM FRAME GYPSUM BOARD CEILING</u>				
(1)	Ground Floor	90.59	m ²		
7.5.2	<u>ALUMINIUM FRAME CEMENT BOARD CEILING</u>				
(1)	Ground Floor	2.33	m ²		
7.5.3	<u>SOFFIT OF SLAB</u>				
(1)	Ground Floor	104.30	m ²		
7.6	<u>FLOOR</u>				
(1)	Application of 2 coats of Epoxy floor paint finish on cells floor & Bunk bed	41.46	m ²		
BILL No: 07-PAINTING & FINISHES					0.00
TOTAL OF BILL No: 07 - Carried over to summary					

BILL No: 8**HYDRAULICS & DRAINAGE****GENERAL**

(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.

d) The Contractor shall 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 shall 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 shall 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 PIPE WORK

(1) Allow for ground water connection and internal pipe works well to all toilets, inc. supply and laying of all pipe works.

1.00

Item

(2) Allow for fresh water connection to all toilets, supply and laying of all pipes.

1.00

item

8.2 Sanitary Fixtures & Accessories

Note: (a) Sanitary fixtures complete including brackets, stop valves, fittings etc.

(b) All sanitary fittings shall be of Stainless Steel(SS grades 304 / 316)

(d) All Taps, drains shall be of stainless steel(SS grades 304 / 316)

(e) All pipes shall be of 'UPVC' .

(1) Water Closets

3.00

Nos

(2) Wash basin

3.00

Nos

(3) SS Wash Basin tap

3.00

Nos

(4) SS Headshower as per detail

3.00

Nos

(5) SS Headshower valve

3.00

Nos

(6)	muslim Shower	3.00	Nos		
(7)	SS Floor drain	8.00	Nos		
(8)	Stop Valves	3.00	Nos		
(9)	Low level SS taps (including exercise yard)	4.00	Nos		
(10)	Water Closets	1.00	Nos		
(11)	Wash Basins	1.00	Nos		
(12)	Low level Taps with Fresh water connection	3.00	Nos		
(13)	Mirror with accessories	1.00	Nos		
(14)	Floor drain	1.00	Nos		
(15)	Muslim Shower	1.00	Nos		
(16)	Stop Valves	1.00	Nos		
(17)	Wash Basin Taps	1.00	Nos		
8.3	<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. (b) All pipework shall be UPVC				
8.3.1	<u>DISCHARGE PIPEWORK</u>				
(1)	All pipe connection from fixtures and upto 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		
8.4	<u>INSPECTION CHEMBER(refer details)</u>				
(1)	RCC Inspection Chambers for toilets with PVC screening net.	3.00	Nos		
BILL No: 08 - HYDRAULIC AND DRAINAGE					0.00
TOTAL OF BILL No: 08- Carried over to summary					

BILL No: 09**ELECTRICAL & SPECIFIC INSTALLATIONS**
GENERAL

(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) The Contractor shall 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 shall 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 shall 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 MAIN CONNECTIONS

(1) Allow for connection from Sub-distribution to main panel boards.

1.00

Item

(2) Allow for connection from main panel board to cell distribution boards.

1.00

Item

9.2 ELECTRICAL BOARDS

Note: Complete installation, including for all connections, earthing, painting, testing and similar of:

(1) Three Phase Distribution Board

2.00

Nos

9.3	<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 and fans.	51.00	points	
(2)	Wiring to Socket outlets & switch.	35.00	points	
9.4	<u>LIGHTING</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 LED light	27.00	Nos	
(2)	Wall fixed weather proof light (18 watts)	14.00	Nos	
(3)	12W LED light vandal proof light (refer detail)	6.00	Nos	
(4)	Wall fixed Emergency LED light (2 hours non maintained.) provide 13A power socket @2.5m(H)	6.00	Nos	
(5)	One way switch 1.2m (4gang)	8.00	Nos	
(6)	One way switch 1.2m (2gang)	4.00	Nos	
(7)	Power socket 0.3m (2G)	9.00	Nos	
(8)	Power socket weather proof 0.3m (2G)	3.00	Nos	
(9)	Power socket 2.5m (2G)	2.00	Nos	
(10)	Industrial SS blade wall mount fan 400mm provide 13A power socket outside cell wall	3.00	Nos	
(11)	50W LED Light (as per detail)	4.00	Nos	
9.5	<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)	8.00	Nos	
(2)	CCTV camera point	13.00	Nos	
(3)	controlledd (card) access point with power socket	6.00	Nos	
(4)	Camera asper specification provided	13.00	Nos	
(5)	Cable TV socket	2.00	Nos	
(6)	HDMI cable point with face plate	2.00	Nos	
9.6	<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)	1.00	Nos	
(2)	H2O Water Extinguisher(9ltr, 13A)	1.00	Nos	
(3)	Fire exit sign	1.00	Nos	

9.7	<u>AIR-CONDITIONING SYSTEM</u> Supply and installation of appropriate capacity "HITACHI" or equivalent WALL MOUNT AIR-CONDITIONING SYSTEM including electricity and complete . Rates shall include pipes, fixing and all necessary works. Contractor's shall submit shop drawings subject to consultants approval				
(1)	24000 BTU wall mount air conditioner with 15A socket including wiring	2.00	Nos		
(2)	18000 BTU wall mount air conditioner with 15A socket including wiring	2.00	Nos		
(3)	9000 BTU wall mount air conditioner with 15A socket including wiring	3.00	Nos		
BILL No: 09 - ELECTRICAL & SPECIFIC INSTALLATIONS					0.00
TOTAL OF BILL No: 09- Carried over to summary					
BILL No: 10					
<u>FURNITURE</u>					
<u>GENERAL</u>					
(a) The contractor must ensure actual site dimensions					
(b) Assembling price should be included.					
(c)The contractor shall ascertain that the work characters stipulated herein shall complete the whole of the work. No change or variation whatsoever shall be entertained unless or otherwise the written instructions from the owner					
(D)Catalog should be included and all materials shall 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 }					
(1)	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	6.00	Nos		

(2)	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	3.00	Nos		
(3)	12 COMPARTMENT STEEL LOCKER (LS) Dimension: L915 x W381x H1828mm Material: Steel with epoxy coated Colour: Light grey	1.00	Nos		
(4)	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	1.00	Nos		
(5)	TABLE (TB) Dimension: 600mm x 600mm Wooden table Colour: Maple/beechn	1.00	Nos		
(6)	FILE RACK (FC) Dimensions: H1745 x W1175 x D295mm Material: Wood Colour: Wenge/walnut	6.00	Nos		
(7)	PLASTIC CHAIR (PC) plastic chair without arm	2.00	Nos		
(8)	RECREATION TABLE (RT) Seating for 4 person 900mm x 900mm Material: Plastic Colour: White	1.00	Nos		
(9)	PLASTIC CHAIR WITH ARMREST (PC1) Colour: Blue	4.00	Nos		

(10)	MATTRESS (MT)				
10.1	Waterproof Medical grade mattress with removable cover (innerspring/foam) ,Mattress size 950 x 1880mm & Mattress thickness 4" mattress	6.00	Nos		
10.2	Single size blanket	6.00	Nos		
10.3	Vaccum pillows	12.00	Nos		
10.4	Pillow covers	24.00	Nos		
10.5	Pillow cover protector	12.00	Nos		
10.6	Fitted bedsheets (send designs for approval)	12.00	Nos		
(11)	CARROM BOARD WITH COIN SET	2.00	SET		
	Standard size carrom board with coins				
(12)	TABLE WITH PARTITION (LT)	3.00	Nos		
	Dimension 900mm x 600mm				
	Front partiion 900mm x 1200mm				
	2 x Side partition 600mm x 1200 mm				
	Table color : maple/ beech				
	Partion color: Grey				
	Please send design for approval				
(13)	BASKET BALL POT WITH BACKBOARD WALL MOUNT	1.00	Nos		
	Standard size				
(14)	3+1 Sofa set	1.00	Nos		
	Fabric sofa				
	With wooden legs				
	Colour: Send for approval				
(15)	Bookshelf cabinet	1.00	Nos		
	Dimensions: H2020 x W1600 x D280mm				
	Material: Wood				
	Colour: Wenge/walnut				
BILL No: 10 - FURNITURE					0.00
TOTAL OF BILL No: 10- Carried over to summary					

BILL No: 11				
<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: 11 -ADDITIONS TOTAL OF BILL No: 11 - Carried over to				
BILL No:12				
<u>OMISSIONS</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: 12 -OMISSIONS TOTAL OF BILL No: 12 - Carried over to				