

BOQ FOR WASTE MANAGEMENT CENTER AT HDH.NAAVAIDHOO

Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
BILL No: 01						
<u>PRELIMINARIES</u>						
1.1	<u>GENERAL NOTES</u>					
(1)	<u>Abbreviations</u> m - metre Nos - numbers m ³ - cubic metre m ² - square metre m - metre kg - kilogram incl - including mm - millimetre dia - diametre SS - Stainless Steel GI - Galvinised Iron ltr - Liter					
1.2	<u>SITE MANAGEMENT COSTS</u> Allow for all on and off site management costs including costs of foreman and assistants, temporary services, telephone, fax, hoardings, fences and similar items.	1.00	Item			
1.3	<u>SITE ESTABLISHMENT</u> Allow for mobilization and demobilization	1.00	Item			
1.4	<u>TEMPORARY FENCING AND HOARDING</u> Supply, erect and maintenance of a fence using safety fence & GI pipes,including horizontal work planks, through out the construction period, a the work site.	1.00	Item			
1.5	<u>SITE CLEARENCE</u>					
1.5.1	Site clearence and demolition works include; (a) Clearing grass, bushes, shrubs, saplings, uprooting rank vegetation all at the site area and removal & disposal of rubbish to anywhere in the island as directed by the Engineer-in-charge. (b) Dismantling and demolition of existing structures (if any) like pillars, walls, slabs and any other structure constructed of Brick or coral stone masonry, cement concrete, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material. (c) Removal and relocation of existing service lines at build-up area whereas necessary (d) Removal of 39 Palm trees, 09 <i>Midhiligas</i> / kaani gas					
(1)	Site clearence and demolition works	1.00	Item			
1.6	<u>ERECTION OF NOTICE BOARDS</u> Provision and Erection of Notice Boards 3m x 4m size as per approved drawing, safety instructions, including complete cost and conveyance of materials, labour charges, & etc.	1.00	Item			
BILL No: 01 - PRELIMINARIES						
TOTAL OF BILL No: 01 - Carried over to summary						-
BILL No: 02						
<u>GROUND WORK & GENERAL CONSTRUCTIONS</u>						

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Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
	<u>GENERAL</u> Rates shall include for; leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating and disposing of surplus soil					
	<u>EXCAVATION</u> 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 and others					
2.20	<u>OFFICE BUILDING</u>					
2.2.1	<u>FOUNDATION PADS</u> Foundation depth = 600mm					
(1)	Foundation footing, (F1) 450mm X 450mm X 300mm	1.05	m ³			
2.2.2	<u>FOUNDATION BEAMS</u>					
(1)	Tie beams (TB1) 200mm X 200mm	3.13	m ³			
(2)	Ground beam beams (TB1) 200mm X 150mm	0.25	m ³			
2.2.3	<u>BACK FILLING</u> Rates shall include for levelling, grading, trimming and compacting.					
(1)	External Backfilling	1.00	Item			
2.2.4	<u>CLEANING UPON COMPLETION</u>					
(1)	Cleaning the site upon completion of all works	1.00	Item			
2.30	<u>HAZARDROUS BUILDING</u>					
2.3.1	<u>FOUNDATION PADS</u> Foundation depth = 450mm					
2.3.2	<u>FOUNDATION BEAMS</u>					
(1)	Tie beams (TB1) 200mm X 200mm	3.24	m ³			
2.3.3	<u>BACK FILLING</u> Rates shall include for levelling, grading, trimming and compacting.					
(1)	External Backfilling	1.00	Item			
2.3.4	<u>CLEANING UPON COMPLETION</u>					
(1)	Cleaning the site upon completion of all works	1.00	Item			
2.40	<u>SITE GENERAL CONSTRUCTIONS</u>					
2.4.1	<u>CONCRETE SLAB</u> depth = 100mm					
(1)	100mm thick concrete slab	9.35	m ³			
2.4.2	<u>CONCRETE & REINFORCEMENT</u>					
(1)	100mm thick concrete slab	9.35	m ³			
(2)	10mm Dia. Bars	1,454.00	m			
2.4.3	<u>LEACHATE COLLECTION TANK</u> Rates shall include for complete construction related works					
(1)	Construction of RCC leachage collection tank	1.00	Item			
2.4.4	<u>SEPTIC TANK</u> Rates shall include for complete construction related works					
(1)	Construction of Septic tank	1.00	Item			

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Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
2.4.5	<u>LIGHT POST</u> Rates shall include for supply and complete installation of materials and completion of construction related works					
(1)	Light post	3.00	Nos			
(2)	Flood light 200W, 6000k, IP-66	3.00	Nos			
2.4.6	<u>BACK FILLING</u> Rates shall include for levelling, grading, trimming and compacting.					
(1)	External Backfilling	1.00	Item			
2.4.7	<u>GROUND WELL</u> Rates shall include for complete construction related works					
(1)	Ground Well	1.00	Item			
2.4.8	<u>RAINWATER DRAIN PIT</u> Rates shall include for complete construction related works					
(1)	Rainwater Drain Pit	1.00	Item			
2.4.9	<u>CLEANING UPON COMPLETION</u> (1) Cleaning the site upon completion of all works	1.00	Item			
BILL No: 02 - GROUND WORK & GENERAL CONSTRUCTIONS						
TOTAL OF BILL No: 02 - Carried over to summary -						
BILL No: 03						
	<u>CONCRETE WORK</u>					
3.1	<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 confirm to structural and excavated tolerances. (b) Rates shall include supply of all formwork item including form oil, timber, plywood, nails etc. (c) Adequate cover to be provided from all the sides for reinforced concrete of 35mm unless otherwise specified. (d) Mix ratio for reinforced concrete shall be 1:2:3 unless otherwise specified and lean concrete shall be 1:3:6 by volume (e) River sand (fine /coarse) and aggregate shall be used for all concrete works					
3.30	<u>OFFICE BUILDING</u>					
3.3.1	<u>LEAN CONCRETE</u> Note: Quantity is measured to the edges of concrete members.					
(1)	50mm thick lean concrete to bottom of Foundation footing.	0.08	m ³			
3.3.2	<u>REINFORCED CONCRETE</u> In-situ reinforced concrete to:					
3.3.2.1	<u>FOUNDATION PADS</u>					
(1)	Foundation footing, (F1) 450mm X 450mm X 300mm	0.49	m ³			
3.3.2.2	<u>FOUNDATION BEAMS</u>					
(1)	Tie beams (TB1) 200mm X 200mm	1.19	m ³			
(2)	Ground beam beams (TB1) 200mm X 150mm	0.07	m ³			

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Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
3.3.2.3	<u>COLUMNS</u> Quantities for columns are measured from top surface of foundation beam upto the soffit of first floor beams					
(1)	Columns (C1), 200mm X 200mm	0.94	m ³			
3.3.2.4	<u>GROUND SLAB</u>					
(1)	75mm Thick RCC Ground Slab	2.02	m ³			
3.3.2.5	<u>ROOF BEAMS</u>					
(1)	Beams (RB1), 200mm X 200mm	0.94	m ³			
3.3.2.6	<u>OTHER CONCRETE WORKS</u>					
(1)	Lintel beams, above doors and window (150mm X 100mm)	0.11	m ³			
3.3.3	<u>FORM WORK</u>					
3.3.3.1	<u>GENERAL</u> (a) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, straps, ties, hangers, pipes, edge formwork and removal of formwork.					
3.3.3.2	<u>FOUNDATION PADS</u>					
(1)	Foundation footing, (F1) 450mm X 450mm X 300mm	4.32	m ²			
3.3.3.3	<u>FOUNDATION BEAMS</u>					
(1)	Tie beams (TB1) 200mm X 250mm	17.91	m ²			
(2)	Ground beam beams (TB1) 200mm X 150mm	8.87	m ²			
3.3.3.4	<u>COLUMNS</u>					
(1)	Columns (C1), 200mm X 200mm	18.88	m ²			
3.3.3.5	<u>ROOF BEAMS</u>					
(1)	Beams (RB1), 200mm X 200mm	14.10	m ²			
3.3.3.6	<u>OTHER CONCRETE WORKS</u>					
(1)	Lintel beams, above doors and window (150mm X 100mm)	3.04	m ²			
3.3.4	<u>REINFORCEMENT</u>					
3.3.4.1	<u>GENERAL</u> (a) Rates shall include for placing, provision for all necessary temporary fixings and supports including tie wire.					
3.3.4.2	<u>FOUNDATION FOOTING</u>					
(1)	Foundation footing, (F1) 450mm X 450mm X 300mm					
(a)	10mm Dia. Bars	57.28	m			
3.3.4.3	<u>FOUNDATION BEAMS</u>					
(1)	Tie beams (TB1) 200mm X 250mm					
(a)	12mm Dia. Bars	142.51	m			
(b)	6mm Dia. Bars	123.22	m			
(2)	Ground beam beams (TB1) 200mm X 150mm					

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Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
(a)	12mm Dia. Bars	13.05	m			
(b)	6mm Dia. Bars	8.87	m			
3.3.4.4	<u>Columns</u>					
(1)	Columns (C1), 200mm X 200mm					
(a)	12mm Dia. Bars	106.62	m			
(b)	6mm Dia. Bars	128.30	m			
3.3.4.5	<u>ROOF BEAMS</u>					
(1)	Beams (RB1), 200mm X 200mm					
(a)	12mm Dia. Bars	112.53	m			
(b)	6mm Dia. Bars	122.38	m			
3.3.4.6	<u>OTHER CONCRETE WORKS</u>					
(1)	Lintel beams, above doors and window (150mm X 100mm)					
(a)	10mm Dia. Bars	13.18	m			
(b)	6mm Dia. Bars	17.77	m			
3.40	<u>HAZARDOUS BUILDING</u>					
3.4.1	<u>LEAN CONCRETE</u>					
	Note: Quantity is measured to the edges of concrete members.					
(1)	50mm thick lean concrete to bottom of Foundation beams.	0.27	m ³			
3.4.2	<u>REINFORCED CONCRETE</u>					
	In-situ reinforced concrete to:					
3.4.2.2	<u>FOUNDATION BEAMS</u>					
(1)	Tie beams (TB1) 200mm X 200mm	0.73	m ³			
3.4.2.3	<u>COLUMNS</u>					
	Quantities for columns are measured from top surface of foundation beam upto the soffit of first floor beams					
(1)	Columns (C1), 200mm X 200mm	0.72	m ³			
3.4.2.4	<u>GROUND SLAB</u>					
(1)	100mm Thick RCC Ground Slab	0.92	m ³			
3.4.2.5	<u>ROOF BEAMS</u>					
(1)	Beams (RB1), 200mm X 150mm	0.55	m ³			
3.4.3	<u>FORM WORK</u>					
3.4.3.1	<u>GENERAL</u>					
	(a) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, straps, ties, hangers, pipes, edge formwork and removal of formwork.					
3.4.3.3	<u>FOUNDATION BEAMS</u>					
(1)	Tie beams (TB1) 200mm X 250mm	7.20	m ²			
3.4.3.4	<u>COLUMNS</u>					
(1)	Columns (C1), 200mm X 200mm	14.40	m ²			
3.4.3.5	<u>ROOF BEAMS</u>					
(1)	Beams (RB1), 200mm X 150mm	5.40	m ²			

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3.4.4	<u>REINFORCEMENT</u>					
3.4.4.1	<u>GENERAL</u> (a) Rates shall include for placing, provision for all necessary temporary fixings and supports including tie wire.					
3.4.4.3	<u>FOUNDATION BEAMS</u>					
(1)	Tie beams (TB1) 200mm X 200mm					
(a)	12mm Dia. Bars	81.94	m			
(b)	6mm Dia. Bars	97.55	m			
3.4.4.4	<u>Columns</u>					
(1)	Columns (C1), 200mm X 200mm					
(a)	12mm Dia. Bars	72.00	m			
(b)	6mm Dia. Bars	96.00	m			
3.4.4.5	<u>ROOF BEAMS</u>					
(1)	Beams (RB1), 200mm X 150mm					
(a)	12mm Dia. Bars	81.94	m			
(b)	6mm Dia. Bars	97.55	m			
BILL No: 03 - CONCRETE						
TOTAL OF BILL No: 03 - Carried over to summary -						
BILL No: 04						
<u>MASONRY AND PLASTERING</u>						
4.1	<u>GENERAL</u> (a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down reveals where necessary; and blocks, cutting or leaving holes and openings as recesses. (b) River sand (fine / coarse) shall be used for all masonry works					
4.2	<u>CEMENT BLOCK WORK</u> All internal & External wall should be 140mm Thick hollow block walls, laid on and including 1:5 cement mortar, tie rods, compression gap filler, PVC mesh as specified.					
4.40	<u>HAZARDROUS BUILDING</u>					
4.3.1	<u>Internal & External walls</u> (1) 140mm thick hollow blocks wall	54.87	m ²			
4.3.2	<u>PLASTERING</u> Plastering on walls and concrete surfaces with 1:4 cement mortar					
4.3.2.1	<u>INTERNAL AND EXTERNAL WALL</u> 20mm Thick cement plastering (made up of 2 layers, 1st layer being 8mm thick and second layer 12mm thick) on external surfaces of walls and concrete surfaces with 1:5 cement mortar first coat and 1:4 cement mortar second coat including PVC					
4.3.2.2	<u>GROUND FLOOR</u> (1) 20mm thick plaster on top of the masonry wall	109.74	m ²			
4.50	<u>OFFICE BUILDING</u>					

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Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
4.4.1	<u>Internal & External walls</u>					
(1)	140mm thick hollow blocks wall	103.50	m ²			
4.4.2	<u>PLASTERING</u>					
	Plastering on walls and concrete surfaces with 1:4 cement mortar					
4.4.2.1	<u>INTERNAL AND EXTERNAL WALL</u>					
	20mm Thick cement plastering (made up of 2 layers, 1st layer being 8mm thick and second layer 12mm thick) on external surfaces of walls and concrete surfaces with 1:5 cement mortar first coat and 1:4 cement mortar second coat including PVC					
4.4.2.2	<u>GROUND FLOOR</u>					
(1)	20mm thick plaster on top of the masonry wall	231.37	m ²			
4.4.3	<u>FLOORING</u>					
4.4.3.1	<u>General</u>					
	50mm Thick cement sand screed on top of floor slab/timber Rate shall be include for all required waterproofing chemicals					
4.4.3.2	<u>GROUND FLOOR</u>					
(1)	50mm thick cement sand screed on top of floor ground slab	26.86	m ²			
BILL No: 04 - MASONRY AND PLASTERING						
TOTAL OF BILL No: 04 - Carried over to summary						-
BILL NO: 05						
<u>PAINING AND FINISHES</u>						
5.1	<u>GENERAL</u>					
	(a) Rates shall include for: fixing, bedding, grouting, pointing, finishing and any other similar works to ensure the required finish.					
	(b) All painting works shall be carried in accordance with the manufacturer's specifications					
	(c) Exterior surfaces and concrete surfaces shall be finished with paint specifically manufactured for exterior surfaces					
	(d) The paint system shall be SKK, sigma or similar brand unless otherwise specified. The contractor shall submit the details of the paint system for client approval					
5.2	<u>Wall and concrete surfaces</u>					
	(a) Emulsion paint finish or cement plasterd walls and concrete column, sides and soffits of slab surfaces as specified / required					
	(b) All interior walls and soffits of ceiling to be applied with paint after application of wall putty and grinding for a smooth finish					
5.2.2	<u>OFFICE BUILDING</u>					
(1)	Finish paints on interior and exterior walls (Including concrete surfaces)	183.83	m ²			
(2)	Finishing paint on ceiling	26.86	m ²			
5.2.3	<u>HAZARDROUS BUILDING</u>					

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Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
(1)	Finish paints on interior and exterior walls (Including concrete surfaces)	109.74	m ²			
5.3	<u>TILE FINISHING</u> (a) Rate shall include for fixing, bedding grouting, pointing, finishing and any other similar works to ensure the required finish (b) Rate shall include for water proofing agents, adhesives and similar (c) Contractor shall submit details of tiles for client approval					
5.3.1	<u>OFFICE BUILDING</u>					
5.3.1.1	<u>Floor Tilling (Ceramic ties)</u>					-
(1)	Floor tiles 450mm x450mm (Office & Store)	26.86	m ²			-
(2)	Floor tiles 300mm x 300mm (non-skid)	3.64	m ²			-
5.3.1.2	<u>Wall Tilling</u>					-
(1)	Wall tiles 300mm x 600mm (toilet)	34.65	m ²			-
(1)	Wall tiles 300mm x 200mm (sink area)	6.25	m ²			-
BILL No: 05 - PAINTING AND FINISHES						
TOTAL OF BILL No: 05 - Carried over to summary						-
BILL N0: 06						
<u>CEILING WORKS</u>						
6.1	<u>CEILINGS GENERAL</u> (a) Rates shall include for fixing, cutting, trimmings, nails, screws and other fixings according to manufactures (b) Rates shall include for timber priming and all putty works. (c.)Rates shall include for all labour in framing, notching. Fitting around pojections, pipes, light fittings, hatches, grilles and similar completed with cleats, packers, wedges and timber bedding etc. similar and all nails and screws (d) Rate shall include for Providing and fixing in position gypsum board ceiling as per manufacture's specification & with 9mm thick Gypsum board)					
6.2	<u>GYP SUM CEILING</u> 9mm thick gypsum ceiling including ceiling frame works and all fixings in all bedrooms, sitting, dinning, kitchen & Common areas					
6.2.1	<u>OFFICE BUILDING</u>					
(1)	9mm thick gypsum ceiling - Office Area	26.86	m ²			-
(1)	9mm thick gypsum ceiling - Toilet	2.86	m ²			-
BILL No: 06 - CEILINGS WORKS						
TOTAL OF BILL No: 06- Carried over to summary						-
BILL N0: 07						
7.1	<u>ROOFING & TIMBER WORKS GENERAL</u>					

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Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
	(a) Rates shall include for fabrication of trusses, fair edges, dressing over angle fillets, turning into grooves, all other labours, circular edges, nails, screws and other fixing and laps. (b) Rates shall include for: the provision, erection and removal of scaffolding, preparation, the protection and/or masking floors, fittings and similar work. (c) Rates shall include for supply and complete installation.					
7.3	<u>ROOFING</u>					
7.3.1	<u>GENERAL</u> Roofing works including supply and installation of all fixing, screws, nuts, bolts, timber treatment					
7.3.3	<u>OFFICE BUILDING</u>					
7.3.3.1	<u>ROOF COVERING</u>					
	(1) Lysaght roofing	33.16	m ²			-
	(2) Lysaght flashings (cable end)	30.64	m			-
	(3) Lysaght gutter (200mm X 200mm)	8.88	m			-
	(4) 50mm Mineral wool Insulation in between purlins	33.16	m ²			-
	(5) Supply and fix 200mm x 20mm Facia Board	8.88	m			-
7.3.3.2	<u>ROOF STRUCTURE</u> Timber roof structure, including all fixing and complete as					
	(1) 50mm X 150mm Timber rafters	59.06	m			-
	(2) 50 x 50mm Timber Battens / purlins	50.38	m			-
	(3) 100mm X 50mm Timber Wall plate	17.78	m			-
7.3.4	<u>HAZADROUS BUILDING</u>					
7.3.4.1	<u>ROOF COVERING</u>					
	(1) Lysaght roofing	21.77	m ²			-
	(2) Lysaght flashings (cable end)	12.15	m			-
	(3) Lysaght gutter (200mm X 200mm)	6.15	m			-
	(4) 50mm Mineral wool Insulation in between purlins	21.77	m ²			-
	(5) Supply and fix 200mm x 20mm Facia Board	6.15	m			-
7.3.4.2	<u>ROOF STRUCTURE</u> Timber roof structure, including all fixing and complete as					
	(1) 50mm X 150mm Timber rafters	35.24	m			-
	(2) 50 x 50mm Timber Battens / purlins	30.73	m			-
	(3) 100mm X 50mm Timber Wall plate	12.15	m			-
BILL No: 07 - ROOFING,TIMBER WORKS						
TOTAL OF BILL No: 07- Carried over to summary						-
BILL N0: 08						
	<u>HYDRAULICS & DRAINAGE</u>					
8.1	<u>Drainage</u>					
8.1.1	<u>Peramble notes</u> (a) Rates shall include for sockets, runnin joints, connector,					

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	(b) All pipe work and fittings shall be PVC (c) Rates shall include for supply and fixing of all pipes (d) All sanitary fixtures used shall be of superior quality and approved by the client or as per the agreement. (e) Rates shall include for maintaining faces of drain pipes, freshwater supply pipes, rainwater collection pipes, trenches and pits, diposal of surplus soil, bends, junctions, reducers, expansion joints and all joints and other incidental materials.					
8.2	<u>INTERNAL PLUMBING</u> Internal plumbing to all downpipes, toilets, internal water supply network, rainwater collection, and floor drain incl. supply and laying of pipes.					
(1)	Supply and complete installation of Groudwater pump (Davey DYNAPRIME X201, 7.5m suction head or equivalent) including pump stand, connecting to pipe works and electrical connection.	1.00	Item			
8.2.2	<u>OFFICE BUILDING</u>					
(1)	Allow for supply and installation of pipework including all the necessary accessories & fittings.	1.00	Item			-
8.3	<u>HYDRAULICS</u>					
8.3.1	<u>Sanitary Fixtures and Accessories</u> Sanitary fixtures complete including brackets, stop valves, fittings etc. All sanitary fittings shall be of superior quality. & Should be approve from Cilent					
8.3.2	<u>OFFICE BUILDING</u>					
(1)	WC complete	1.00	Nos			-
(2)	Wash basin with pedestal	2.00	Nos			-
(3)	Wash basin tap	2.00	Nos			-
(5)	Head shower	1.00	Nos			-
(6)	Muslim shower	2.00	Nos			-
(7)	Floor drain	2.00	Nos			-
(8)	Frameless Mirror 450mm X 450mm	1.00	Nos			-
(9)	Towel bar Single double rod	1.00	Nos			-
(10)	Faucet taps (warehouse & site)	3.00	Nos			-
BILL No: 08 - HYDRAULICS & DRAINAGE						
TOTAL OF BILL No: 08 - Carried over to summary						-
BILL No: 9						
	<u>ELECTRICAL INSTALLATIONS</u>					
9.1	<u>GENERAL</u> (a) Rates shall include for: screws, nails, bolts, nuts, standard (b) Rates for electrical conduits, fittings, equipment and similar items shall include for: all fixings to various building surfaces (c) Light end and switch end of wiring together measured as (d) 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.					

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	(e) Rates shall include for supply and complete installation (f) Single phase power supply.					
9.2	<u>ELECTRICAL BOARDS</u> Complete installation, including for all connections, earthing, painting, testing and similar of:					
	<u>Main Cable Connection</u> Supply and complete installation of main cable connection from nearby utility distribution	1.00	Item			
	Supply and complete installation meter connection	1.00	Item			
9.2.2	<u>OFFICE BUILDING</u>					
(1)	Single Phase Distribution Board with MCB, ELCB & CBS	1.00	Item			-
9.2.3	<u>HAZARDOUS BUILDING</u>					
(1)	Single Phase Distribution Board with MCB, ELCB & CBS	1.00	Item			-
9.3	<u>ELECTRICAL WIRING</u> Electrical wiring with copper conductor cable in conduits in walls and concrete as per government regulations.					
9.3.2	<u>OFFICE BUILDING</u>					
(1)	Wiring to lights	8.00	Pts			-
(2)	Wiring to power points	11.00	Pts			-
(3)	Wiring to distribution boards	1.00	Item			-
9.3.3	<u>HAZARDOUS BUILDING</u>					
(1)	Wiring to lights	4.00	Pts			-
(2)	Wiring to distribution boards	1.00	Item			-
9.4	<u>LIGHTING, POWER POINTS & FANS</u> Supply and installation of:					
9.4.2	<u>OFFICE BUILDING</u>					
(1)	1 Way switch (1 gang)	1.00	Nos			-
(2)	1 Way switch (2 gang)	3.00	Nos			-
(3)	Electrical Meter	1.00	Nos			-
(4)	13 Amp Socket Outlet at 300mm -900mm FFL	9.00	Nos			-
(5)	15 Amp Socket Outlet at 2400mm FFL	1.00	Nos			-
(6)	15 Amp Socket Outlet at 1500mm FFL (3 PHASE)	1.00	Nos			-
(7)	1200mm DIA Ceiling fan	1.00	Nos			-
(8)	1x23W (day light) led light	6.00	Nos			-
(8)	1x26W (day light) led light, wall mount (weather proof)	1.00	Nos			-
(8)	Fan dimmer regulator	1.00	Nos			-
(8)	Wall mount single split Air-conditioner unit, 12000btu	1.00	Nos			-
9.4.3	<u>HAZARDOUS BUILDING</u>					
(1)	1 Way switch (2 gang)	2.00	Nos			-
(2)	1x23W (day light) led light surface mount	2.00	Nos			-
(3)	1x26W (day light) led light, wall mount (weather proof)	2.00	Nos			-
BILL No: 09 - ELECTRICAL INSTALLATIONSITEMS						
TOTAL OF BILL No: 09 - Carried over to summary						-
BILL NO: 10						
10.1	<u>GENERAL</u>					
	<u>DOORS AND WINDOWS</u>					

BOQ FOR WASTE MANAGEMENT CENTER AT HDH.NAAVAIDHOO

Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
	(a) Rates shall include for locks, closers,bolts, hinges and all door window hardware and all fixings(These materials should be approved by Client) (b) All doors shall be in accordance with drawings (doors schedule-1 & 2) and specifications (c) All measurements shall be checked on site by the contractor before fabrication. (d) aluminium doors shall have 40~60 micron white powder coated frames unless otherwise specified.					
10.20	<u>HAZARDOUS BUILDING</u>					
	(1) Complete fabrication and installation of GI Gate with painted suraces (see details)	1.00	Item			
10.3	<u>OFFICE BUILDING</u>					
10.3.1	<u>Doors & Windows</u>					
	(1) Ready made timber door (D1)	2.00	Nos			-
	(2) Ready made timber door (D2)	1.00	Nos			-
	(3) Aluminium frame with fixed aliminum louvers (V1)	1.00	Nos			-
	(3) Aluminium shutter door (D3)	1.00	Nos			-
	(4) Aluminium Window (W1)	1.00	Nos			-
BILL N0: 10 -DOORS AND WINDOWS						
TOTAL OF BILL No: 10 - Carried over to summary						-
BILL N0: 11						
	<u>METAL WORKS</u>					
10.1	<u>GENERAL</u>					
	(a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts including those securing timbers, steel plates, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws. (b) Rates shall include for all painting and finishing. (c) Rates shall include for fabrication and erection of temporary supports and fixing into position					
10.20	<u>HAZARDOUS BUILDING</u>					
	(1) Complete fabrication and installation of GI Gate with painted surfaces (see details)	1.00	Item			
10.3	<u>ENTRANCE & EXIT GATES</u>					
	(1) Complete fabrication and installation of GI Gate with painted surfaces (see details)	2.00	Nos			
10.3	<u>Boundary Fence</u>					
	(1) Construction of boundary fence on top of masonry constrstruction as per the drawing details.	50.00	m			-
BILL N0: 11 -METAL WORKS						
TOTAL OF BILL No: 11 - Carried over to summary						-
BILL No: 12						
	<u>ADDITION AND OMISSION</u>					
12.1	<u>Additions</u>					
	(1) Preliminaries - Bill 01					
	(2) Ground works - - Bill 02					

BOQ FOR WASTE MANAGEMENT CENTER AT HDH.NAAVAIDHOO

Item	Description	Qty	Unit	Material Rate (MVR)	Labour Rate (MVR)	Amonut (MVR)
(3) Concrete - Bill 03 (4) Masonry and Plastering- Bill 04 (5) Painting and Finishes - Bill 05 (6) Ceiling Works -Bill 06 (7) Roofing & Timber deck Wroks - Bill 07 (8) Hydraulics & Drainage - Bill 08 (9) Electrical Installations - Bill 09 (10) Doors & Windows - Bill 10 (11) Metal Works - Bill 11						
	12.2 Omissions					
(1) Preliminaries - Bill 01 (2) Ground works - - Bill 02 (3) Concrete - Bill 03 (4) Masonry and Plastering- Bill 04 (5) Painting and Finishes - Bill 05 (6) Ceiling Works -Bill 06 (7) Roofing & Timber deck Wroks - Bill 07 (8) Hydraulics & Drainage - Bill 08 (9) Electrical Installations - Bill 09 (10) Doors & Windows - Bill 10 (11) Metal Works - Bill 11						

BILL No: 12 - TENDER'S ADJUSTMENTS

TOTAL OF BILL No: 12 - Carried over to summary