

**Maldives Police Service**  
Finance And Asset Management  
Maldives Police Service

**Project:** Construction of Regional Head Quarters  
**Client:** Maldives Police Service  
**Location:** G.dh Thinadhoo/ Addu City  
**Date:** 10 March 2020  
**Tender Board No:**

**GENERAL REQUIREMENTS**

No.	Activity	Description	Remarks
<b>1</b>			
1.1	Foundation	- Pre-cast concrete Foundation - Minimum diameter of bars in footing shall be 12mm.	- Refer to BS8110-1:1997 for concrete and reinforcement works. - Grade of Concrete should be M30. - High Tension Steel Strength; 415N/mm <sup>2</sup> - Mild Steel Strength; 250N/mm <sup>2</sup>
1.2	Tie Beam	- Pre-cast concrete Tie Beam - Minimum diameter of bars in footing shall be 16mm.	- Refer to BS8110-1:1997 for concrete and reinforcement works. - Grade of Concrete should be M30. - High Tension Steel Strength; 415N/mm <sup>2</sup> - Mild Steel Strength; 250N/mm <sup>2</sup>
1.3	Columns	- Pre-cast concrete Columns - Minimum diameter of bars in footing shall be 16mm.	- Refer to BS8110-1:1997 for concrete and reinforcement works. - Grade of Concrete should be M30. - High Tension Steel Strength; 415N/mm <sup>2</sup> - Mild Steel Strength; 250N/mm <sup>2</sup>
1.4	Beams	- Pre-cast concrete Beams - Minimum diameter of bars in footing shall be 12mm.	- Refer to BS8110-1:1997 for concrete and reinforcement works. - Grade of Concrete should be M30.
1.5	Slab	- Unit width of panel shall be of 1m. - Panels shall be modified for provision of service ducts and voids as per the drawing. - Minimum thickness of panels shall be 150mm. - Minimum diameter of bars in footing shall be 10mm.	- Refer to BS8110-1:1997 for concrete and reinforcement works. - Grade of Concrete should be M30. - High Tension Steel Strength; 415N/mm <sup>2</sup> - Mild Steel Strength; 250N/mm <sup>2</sup>
1.6	Stair	- Rise length shall be maximum 165mm. - Going width shall be minimum 250mm.	- Refer to BS8110-1:1997 for concrete and reinforcement works. - Grade of Concrete should be M30. - High Tension Steel Strength; 415N/mm <sup>2</sup> - Mild Steel Strength; 250N/mm <sup>2</sup> - Minimum diameter of bars in footing shall be 10mm.
1.7	External Walls	- Hollow core lightweight concrete wall panels.	- Thickness 90mm. - Width of panel 600mm.
1.8	Internal Walls	- Hollow Core Lightweight Partition Walls	- Thickness 90mm. - Width of panel 600mm. - Fiber reinforced.
<b>2</b>	Aluminum cladding	- Fire rated cladding	- All Building exteriors
<b>3</b>	Roofing	- Lysught roofing sheets. - MSP SEADEK (Torres Blue)	- Thickness 0.47mm
<b>4</b>	Roof Structure	- Steel Truss	- GI Angles - Thickness 3mm
<b>5</b>	Roof framing	- Steel Frames	- GI "C" Purlins (2" x 4") - Thickness 3mm
<b>6</b>	Electrical		
6.1	Lights	Philips or equivalent	LED
6.2	Sockets	Legrand or equivalent	Type Universal
6.3	Switches'	Legrand or equivalent	

6.4	Air Condition	Hitachi or equivalent	Central System VRF
6.5	Fans	K.D.K or equivalent	27 Inches
6.6	D-Board	Hager or equivalent	
7	Network system		Office building and cell block
7.1	CCTV System		
7.1.1		Samsung SNV-8080 5MP Vendel-resistant network Dome Camera (cat 6e or cat 7 cable)	
7.1.2		Embedded 4K NVR 54ch	
7.1.3		WD purple Surveillance hard disk 6TB	
7.1.4		Unifi Switch 48 port POE 500W	
7.2	Access control system		
7.2.1		Access Control Door Lock, 600lbs (EM) with Z bracket	
7.2.2		ZKT 2-Door Controller (C3-200)	
7.2.3		Wall Mount Box (ZKT)	
7.2.4		Backup Battery	
7.2.5		HID@-920-N SE R40 iClass Reader	
7.2.6		Unifi AP (UAP AC PRO)	
7.2.7		Unifi Switch 48 POE-500W	
7.3	Network Switches and patch panel		
7.3.1		Cisco Catalyst WS-C2960X-48LPD-L	
7.3.2		Cisco Catalyst WS-C3850-24T	
7.3.3		Network Cable Manager	
7.3.4		Ethernet patch 0.5m	
7.3.5		Ethernet patch 1m	
7.3.6		APC PDU (AP8858)	
7.3.7		Cisco 10G Single Mode SFP 10km (SFP-10G-LR-S	
7.3.8		Cisco 1G Single Mode SFP 10km GLC-LH-SMD	
7.3.9		Patch Panel	
7.3.10		IT Networking points	
7.4	TELEPHONE NET WORKING		
7.4.1		Yealink T21p E2	
7.5	RU ( Rack Unit )		
		9U Wallmount Deep Rack	
		42U APC Rack	
7.6	Projector Screen		
7.6.1		Elite Screen Spectrum 2 Series / 120 Inch	
7.7	Sound & Audio Recording Sytem		
	Recording PC ( with 4GB Ram and 2TB HD / Window 07 Pro ) and key borad, mouse , Led Monitor , Speaker Head Set, etc/ Axis P3367-V Camera , Liberty Interview recording software		
7.7.1		Coaxel face plate (use procel speaker cable)	
7.7.2		Boss or JBL Speakers	
7.7.3		Cable TV AMP	
7.7.4		HDMI Face plate (Kramer)	

7.7.5		Ceiling Mount Speakers (Boss Brand)	
7.7.6		Sound Face plate	
<b>8</b>	<b>Fire</b>		<b>For All buildings</b>
<b>8.1</b>	<u>Dry riser system and Alarm System</u>		
8.1.1		Dry riser pipe work system as per the drawings	
8.1.2		Inlet for dry risers	
8.1.3		Smoke detector ( fixed 80 deg.)	
8.1.4		Heat detector	
8.1.5		Manual call point	
8.1.6		CO2 Extinguisher 2 kg with cabinet	
8.1.7		DCP Dry chemical powder extinguisher 9 kg with cabinet	
8.1.8		Exit sign	
8.1.9		Dry riser landing valve	
8.1.10		Electric loop fire alarm sounder	
8.1.11		Air release valve	
8.1.12		Hose reel 30 M with valve and cabinet ( slim type - recessed wall )	
8.1.13		2-way breaching dry riser inlet	
8.1.14		Addressable fire alarm control panel	
8.1.15		Stand by pump / Duty pump	
8.1.16		H2O Extinguisher 9 litre with cabinet	
<b>9</b>	<b>Plumbing</b>		<b>For All buildings</b>
9.1	Supply and installation of water pump (one for rain water, one for well complete,each will have standby pump system with automatic control board including connecting valves to pipework and electricity as per requirements "Grundfos or Equivalent"		HPVC high pressure pipes for plumbing works
9.1.1		Rain water pump	
9.1.2		Well water pump	
9.1.3		MWSE booster pump	
<b>9.2</b>	<b>Drainage</b>		
9.2.1	<u>Discharge pipework</u>		
9.2.2		All pipework connection from fixtures and upto the inspection chamber and MWSC sewer	
9.2.3		Connecting to MWSC sewer mains	
9.2.4		Constructing Inspection Chamber of required size with all provisions to connect pipelines as per drawing.	
<b>10.1</b>	<b>Equipments</b>		
10.1.1		Comupter System	i7 Dell or equivalent System with 22 inch monitor
10.1.2		Printer and Scanner	Pahser /Canon or equivalent
10.1.3		Projector	Sony or equivalent
10.1.4		Telvision	Samsung, Sony, 65" or equivalent
10.1.5		Water Cooler	
10.1.6		Automatic Washing Machine	10 nos
<b>11</b>	<b>Furniture</b>		
11.1	<u>Meeting table with chairs</u>	Seating for 13	For Office building

11.1.1		Dimensions : 4500 x 1500	Qty: 01
11.1.2		Oval/Rectangular Conference Table	
11.1.3		Colour: Wenge black	
11.1.4		Material: Solid wood	
11.1.5		1 high back black PVC leather chair and 12 medium back PVC leather chair	
<b>11.2</b>	<u>Discussion table with chairs</u>		For Office building
11.2.1		Seating for 06	Qty: 03
11.2.2		Dimensions : 1200 x 1800	
11.2.3		Oval/Rectangular Conference Table	
11.2.4		Colour: Wenge black	
11.2.5		Material: Solid wood	
11.2.6		1 high back black PVC leather chair and 06 medium back PVC leather chair	
<b>11.3</b>	<u>Conference table with chairs</u>		For Office building
11.3.1		Seating for 19	Qty: 02
11.3.2		Dimensions 6000 x 3000	
11.3.3		Oval/Rectangular Conference Table	
11.3.4		Colour: Wenge black	
11.3.5		Material: Solid wood	
11.3.6		3 high back black PVC leather chair and 16 medium back PVC leather chair	
<b>11.4</b>	Custom made main reception counter	6 medium back PVC leather chair	For Office building / Qty: 01
<b>11.5</b>	Custom made Petrol man desk	10 medium back PVC leather chair	For Office building / Qty: 05
<b>11.6</b>	File Cabinet 12 compartment		For Office building / Qty: 80
11.6.1		Modern File cabinet 1200x395x2000 mm	
11.6.2		Material: Solid Wood	
11.6.3		Colour: Black	
11.7	sofa (9seats )		For Office & Accommodation building / Qty:10
11.7.1		Material:Faux (PVC) leather	
11.7.2		Material:Wood	
11.7.3		Colour: Optional	
11.7.4		Coffee Table Should be included	
11.8	sofa (4seats )		For Office & Accommodation building / Qty: 14
11.8.1		Cotton upholstery	
11.8.2		Material:Wood	
11.8.3		Colour: Optional	
11.8.4		Coffee Table Should be included	
<b>11.9</b>	High Standard Executive Office Station		For Office building / Qty: 10
11.9.1		Writing Table 2400x750x750 mm	
11.9.2		Side Table: 1500x700x690 mm	
11.9.3		High Cabinet 2000x395x2000 mm	
11.9.4		Material: Wood/Glass	
11.9.5		Colour: Optional	
11.9.6		Darwer set Should be included	
11.9.7		Executive high back swivel chair with hydraulic height adjustment	
11.9.8		Lockable reclining mechanism	
11.9.9		Material:Faux (PVC) leather	
11.9.10		Color: Black	

<b>11.10</b>	Medium Standard Executive Office Station		For Office building / Qty: 15
11.10.1		Writing Table 1500x750x750 mm	
11.10.2		Side Table: 1200x450x750 mm	
11.10.3		Material: Solid Wood / Glass	
11.10.4		Colour: Optional	
11.10.5		Darwer set Should be included	
11.10.6		High cabinet Should be Included	
11.10.7		High cabinet 1200x395x2000 mm	
11.10.8		13 Executive High Back swivel chair with hydraulic height adjustment	
11.10.9		Lockable reclining mechanism	
11.10.10		Material: Faux (PVC) leather	
11.10.11		Color: Black	
<b>11.11</b>	Writing table 1200x1000x750 mm		For Office building / Qty: 100
11.11.1		Table width 700mm	
11.11.2		Colour: Beech / oak	
11.11.3		Mobile Pedestal W405x D490x HG565mm	
11.11.4		CPU holder should be included	
11.11.5		Material: Wood/ Ready made Wood	
11.11.6		Front Partition 1200 x 1200	
11.11.7		Glass height 300mm	
<b>11.12</b>	Office Desk		For Office building / Qty: 25
11.12.1		Table: 1200 x 450	
11.12.2		with attached drawer set	
11.12.3		Material:Wood	
11.12.4		Colour: Maple	
<b>11.13</b>	Office Sofa Set with Coffee table ( 3+2+1 seater )		For Office building / Qty: 4
11.13.1		Cotton upholstery	
11.13.2		Material:Wood	
11.13.3		Colour: Optional	
11.13.4		Coffee Table Should be included	
<b>11.14</b>	Medium Back Chair		For Office building / Qty: 75
11.14.1		Leather Black Medium back chair	
11.14.2		Swivel chair with hydrolic Height Adjustment	
11.14.3		Lockable reclining mechanism	
<b>11.15</b>	Low back Chair		For Office building / Qty: 75
11.15.1		Fabric black Low back chairs	
11.15.2		Swivel chair with hydraulic Height Adjustment	
11.15.3		Lockable reclining mechanism	
<b>11.16</b>	Faux leather medium back chair		For Office building / Qty: 25
11.16.1		Swivel chair with hydraulic Height Adjustment	
11.16.2		Lockable reclining mechanism	
<b>11.17</b>	Reception Stool		For Office building / Qty: 16
11.17.1		Stool with wheels and back rest	
11.17.2		Swivel Chair with hydraulic Height Adjustment	
<b>11.18</b>	Plastic chair		For Office building / Qty: 150
11.18.1		Material:Plastic	
		Colour :Blue	
<b>11.19</b>	Outdoor café chair		For Office building / Qty: 50
11.19.1		Material: Plastic	
11.19.2		Color: Black / Blue	

<b>11.20</b>	<u>Outdoor table with disc table base</u>		For Office building / Qty: 15
11.20.1		Dimensions 900 x 900	
11.20.2		Material: Wood and SS table bass	
11.20.3		Colour: Wenge	
<b>11.21</b>	<u>Steel racks</u>		For Office building / Qty: 10
11.21.1		Material: steel	
11.21.2		Colour : Wenge/walnut	
<b>11.22</b>	<u>Locker set 12 comp.</u>		For Office building / Qty: 30
11.22.1		Dimensions: H1800 W900 D360 mm	
11.22.2		Material : Steel	
11.22.3		Colour: light grey	
<b>11.23</b>	<u>3 Door steel wardrobe cabinet with locks</u>		For Office building / Qty: 40
11.23.1		Dimensions H1800 W1140 D450	
11.23.2		Two adjustable shelves and one cloth rod in each locker	
<b>11.24</b>	<u>Metal shoes rack</u>		For Office building / Qty: 15
11.24.1		4 tier	
11.24.2		Dimension 1000 x 300	
11.24.3		Color: Black	
<b>11.25</b>	<u>Book shelf</u>		For Office building / Qty: 25
11.25.1		Dimesion: 2141 x 250	
<b>11.26</b>	<u>Class room chairs with writing pad</u>		For Office building / Qty: 150
11.26.1		Size: Standard	
11.26.2		Materials: Metal frame with mesh back & fabric seats	
11.26.3		Seat fabric: Blue / Black	
<b>11.27</b>	<u>Ezi-Slide Aisle Saver Compactus Metal Storage Shelving</u>	8Bay	For Office building / Qty: 80
11.27.1		2175 H x 900 W x 400 D	
11.27.2		2175 H x 1200 W x 400 D	
11.27.3		Track Length: 3000mm	
<b>11.28</b>	<u>Bunk Bed</u>		For ACC building / Qty: 90
11.28.1		Slatted bed base	
11.28.2		Length: 2000mm x 1000mm	
11.28.3		Mattress Type: Kurl-on or equivalent	
11.28.4		Mattress Thickness: 5"	
11.28.5		<b>Must include</b> Fitted bedsheet + 4 pillows with cover	
11.28.6		Material: Solid wood	
11.28.7		Wood colour: Walnut/Wenge	
<b>11.29</b>	<u>Single Bed</u>		For ACC building / Qty: 35
11.29.1		Slatted bed base	
11.29.2		Length: 1800mm x 900mm	
11.29.3		Mattress Type: Kurl-on or equivalent	
11.29.4		Mattress Thickness: 5"	
11.29.5		<b>Must include</b> Fitted bedsheet + 2 pillows with cover	
11.29.6		Material: Solid wood	
11.29.7		Wood colour: Walnut/Wenge	
<b>11.3</b>	<u>6 Sitter wooden dinning table set</u>		For ACC building / Qty: 25
11.30.1		1 DINING TABLE WITH 6 DINING CHAIRS	
11.30.2		Dimensions: 1500mm x 1000mm	

11.30.3		Colour: Walnut	
11.30.4		Dining chair with soft cushion seat and wooden back	
<b>11.31</b>	<b>IRONING BOARD</b>		For ACC building / Qty: 28
11.31.1		Iron board: 48" x 12"	
<b>11.32</b>	<b>TOWEL RACK- 1</b>		For ACC building / Qty: 50
		Should be able to hang 6 towel	
		Material: Wood	
		Colour: Wenge	
<b>11.33</b>	<b>STEEL CLOTH HANGER</b>		For ACC building / Qty: 20
		Clothes Drying Rack	
		Dimensions: Length 1800 mm	
<b>11.34</b>	<b>2 DOOR WARDROBE ( for 2 persons Use ) (WD)</b>		For ACC building / Qty: 82
11.34.1		mirrors on both panels	
11.34.2		with Lock and key on both panels	
11.34.3		Containing hanger rail and lower shelf on both panels	
11.34.4		Dimension: 1200mm x 600mm	
11.34.5		Material: solid wood	
11.34.6		Wood Colour: Walnut/wenge	
<b>12</b>	<b>Package Substation</b>	<b>500KVA</b>	
		Supply and installation of overhead 500KVA power distribution substation as specified in the technical specifications. The rates shall include for all costs associated with work. The contractor shall be responsible for all necessary permits, approvals, etc.. required for the completion of the installation works in accordance of electricity rules in Maldives.	
<b>13</b>	<b>Backup Generator</b>		
		Supply and installation of a 500kVA Prime Rated sound proof CUMMINS or DENYO generator set. The generator set shall be housed in a sound attenuated enclosure which complies with sound level of 70 - 75 dba @ 1 meter distance	
		Back up battery pack for server room and Sollar power storage.	
		(the generator set stack shall be made using (schedule 40) Mild Steel Pipe with 6" diameter as shown in the drawing and STEEL DUCT for generator exhaust.	
<b>14</b>	<b>Lighting Protection System</b>		
		Installation of lightning protection system as specified (preferred brand: LPI Australia)	
<b>15</b>	<b>Cabletrays</b>		
		Supply and installation of powder coated cable trays for electric and data cables as specified in the drawings	
<b>16</b>	<b>Building Finishes</b>		
<b>16.1</b>	<u>Interior walls</u>	Matt finish Interior Paint with tile skirting. ( Inside toilets porcelain tiles up to ceiling level.	
<b>16.2</b>	<u>Exterior walls</u>	Aluminum Composite Cladding	

16.3	Flooring	Homogenous or Porcelain 2'x2'	
16.4	Ceiling	Concealed or exposed grid ceiling ( PVC / Gypsum )	
16.5	Toilet	All Fixtures and fittings should be COTTO	
16.6	Counter tops	Granite finish	
16.7	Kitchen	Industrial hood (KDK)	
16.7.1		Exhaust (KDK)	
16.7.2		Wall mount cupboard set	
16.7.3		Base cupboard set	
16.7.4		Double bowl sink with tap	
17	<u>Doors &amp; Windows</u>		
17.1	Doors	All toilet doors should be fiber coated	
17.1.1		All doors should be wooden decorative	
17.1.2		All doors should have wooden border frame on both side	
17.2	Windows	Aluminum should be 80 micro grade	Type: Glass reflective blue
18	<u>Boundary</u>		
18.1.1		Plot area: 4646.84m2	
18.1.2		Plot length: 250FT	
18.1.3		Plot width: 200FT	
18.1.4		Wall Height :10FT	
18.1.5		SS Automatic Silding gate	Qty:2 (16FT)
18.1.6		SS Swing gate	Qty:1 (3FT)



<b>19</b>	<b>Cell Block</b>		
19.1.1		SS Water closet	
19.1.2		SS Drain	
19.1.3		GI Doors and ventilation	
19.1.4		Camera	
<b>19.2</b>	Custodial admin building	All doors and windows should be tempered glass.	
19.2.1		Interview room should have SS Tables and chairs with floor mounted	
<b>20</b>	<b>Flag Post</b>		
20.1.1		SS pole	Qty:2
20.1.2		Floor finish	Granite
<b>21</b>	<b>Plot landscaping</b>		
21.1.1	Paving	Supply and installation of solid paving blocks, sprinkling fine white sand on top, for filling gaps.	
21.1.2		- Interlocking Zigzag Blocks	
21.1.3		- Strength: 45N/mm <sup>2</sup>	
21.1.4		- Dimension: 225 x 115 x 80mm (l x b x h)	
<b>21.2</b>	<b>DRAINING SYSTEM</b>		
21.2.1		Excavation and install of drainage path, settlement tank, soak pits and soak pit covers with lintel beam, inclusive of pipe works.  Rates shall include completion of all necessary works and connecting to Municipality Drainage system.	
<b>21</b>	<b>Garage and parking area</b>		
		Roller shutter doors	Qty: 6
		Standard vehicle ramp	
<b>22</b>	<b>LIFT</b>		
<b>22.1</b>	Specification shall be in accordance with manufacturers details.	Lifts shall be 2 Nos.Mitsubishi or equivalent (Machine room less). Lift shall be 13Passenger capacity	For Accommodation building and Police Station. Qty: 2

**NOTE:**

1) Material approval:

For materials ordering from abroad, the contractor shall bear all the costs of (4) four staff from the client to be involved in the selection and approval of all the materials from abroad.

2) Height of floors must be 3.5m from slab to slab

3) Temporary Land for construction can be arranged