

**PROPOSED RENOVATION OF MHAC BUILDING FOR IOM,  
ASOKORO ABUJA**

**MECHANICAL INSTALLATION SERVICES FOR MAIN BUILDING**

ITEM	DESCRIPTION	QTY	UNIT	DELIVER TO SITE	INSTALL AND /OR ERECT	RATE	AMOUNT
<b>BOY'S QUARTERS</b>							
<b>A</b>	<b>SANITARY WARES</b> Supply, install, test and commission the sanitary wares and accessories as per specification, schedule and drawing.						
<b>A1</b>	<b>WATER CLOSET</b> Ideal or " any equally approved"Close-coupled WC with cistern, Side Flush, seat cover and accessories.	15	No	-	-	-	-
	Chrome Connector for WC	15	No	-	-	-	-
	Pan connector for WC.	15	No	-	-	-	-
	Urinary	0	No	-	-	-	-
<b>A2</b>	<b>BASIN</b> Wash basin 45 X 36.5cm (W x D) with fixing kit and semi pedestal.	15	No	-	-	-	-
	Bottle trap.	15	No	-	-	-	-
	Basin Mixer tap + Pop up Waste.	15	No	-	-	-	-
<b>A5</b>	<b>ACCESSORIES</b> 800 X 600mm Bevel-Edge Mirror secured to wall by screws with cap to seal screw holes.	15	No	-	-	-	-
	Remer Built in stopcock.	15	No	-	-	-	-
	Toilet Brush (Chrome)	15	No	-	-	-	-
	Soap Dispenser	15	No	-	-	-	-
	Paper Holder (chrome)	15	No	-	-	-	-
	Hand Dryer (Air dri make)	7	No	-	-	-	-
<b>A7</b>	Angle Valve 1/2" with 58mm dia. sliding flange.	30	No.	-	-	-	-
<b>A8</b>	Chrome Flexible connector 1/2"	30	No.	-	-	-	-
<b>A9</b>	All other items necessary for the complete installation of the sanitary works	1	Lot				-
<b>SUB - TOTAL ITEM A</b>							-

ITEM	DESCRIPTION	QTY	UNIT	DELIVER TO SITE	INSTALL AND /OR ERECT	RATE	AMOUNT
<b>B</b>	<b>COLD/HOT WATER SUPPLY(PPR).</b> Supply, install, test and commission the cold water down service piping system from the roof water tank to the sanitary appliances on the floors, including labeling painting and support. in accordance with the drawing and specification.						
<b>B1</b>	<b>Pipe</b> 25mm dia.	80	m	-	-	-	-
	20mm dia.	125	m	-	-	-	-
<b>B2</b>	<b>Tee</b> 25 x 25 x 25mm dia	30	No.	-	-	-	-
	25 x 20 x 25mm dia	60	No.	-	-	-	-
<b>B3</b>	<b>Elbow</b> 25 mm dia	30	No.	-	-	-	-
	20 mm dia	60	No.	-	-	-	-
<b>B4</b>	<b>Reducing Elbow</b> 25 - 20mm dia	30	No.	-	-	-	-
<b>B6</b>	<b>Straight nipple (male)</b> 25 x 3/4"	15	No.	-	-	-	-
	20 x 1/2"	15	No.	-	-	-	-
<b>B7</b>	<b>Straight Coupling</b> 20mm x 1/2"	30	No.	-	-	-	-
	25mm x 3/4"	15	No.	-	-	-	-
<b>B8</b>	<b>Elbow (Female)</b> 25 x 3/4"	15	No.	-	-	-	-
	20 x 1/2"	30	No.	-	-	-	-
<b>B9</b>	<b>Straight nipple (Female)</b> 20 x 1/2"	15	No.	-	-	-	-
<b>B10</b>	<b>Adaptor.</b> 25mm dia.	30	No.	-	-	-	-
	20mm dia.	30	No.	-	-	-	-
<b>B11</b>	<b>Socket</b> 25mm dia.	45	No.	-	-	-	-
	20mm dia.	15	No.	-	-	-	-
<b>B12</b>	<b>Gate Valves (ENGLAND) (Chrome Head)</b> 25mm dia. ball valve	15	No.	-	-	-	-
<b>B13</b>	<b>Union Connector</b> 32mm dia	15	No.	-	-	-	-
	25mm dia	30	No.	-	-	-	-
<b>B14</b>	Pipe support and Fixing Accessories.	1	Lot	-	-	-	-
<b>B15</b>	<b>Labeling</b> , Label all the valves and all other necessary items	1	Lot	-	-	-	-

ITEM	DESCRIPTION	QTY	UNIT	DELIVER TO SITE	INSTALL AND /OR ERECT	RATE	AMOUNT
B16	Allow or all other items necessary for the complete installation of the cold water supply pipe/fittings as per specifications and drawings.  <b>COLD/HOT WATER SUPPLY(PPR). Carried to summary</b>	1	Lot				-
							-

ITEM	DESCRIPTION	QTY	UNIT	DELIVER TO SITE	INSTALL AND /OR ERECT	RATE	AMOUNT
<b>C</b>	<b>SOIL AND WASTE PIPES</b> Supply and deliver to site soil and waste water uPVC drainage pipes, fittings, supports and fixing accessories install pipes and fittings connect to sanitary wares make to work, test and commission the installation all in accordance with the drawings and						
<b>C1</b>	<b>UPVC Single socket Pipe</b> 110mm dia x 3.18mm dia 50mm dia x 2mm dia.	12 12	m m	- -	- -	- -	- -
<b>C2</b>	<b>Swept Tee</b> 110mm x 110mm x 110mm dia 50mm x 50mm x 50mm dia.	6 5	No. No.	- -	- -	- -	- -
<b>C3</b>	<b>90Deg Bend</b> 110mm dia 50mm dia.	6 6	No. No.	- -	- -	- -	- -
<b>C4</b>	<b>45Deg Bend</b> 110mm dia 50mm dia.	4 6	No. No.	- -	- -	- -	- -
<b>C5</b>	<b>Straight Pipe Connector</b> 100mm dia. 50mm dia. 50 x 32mm Rubber Adaptor 50 x 38mm Rubber Adaptor Long Pan Connector	6 6 6 0 0	No. No. No. No. No.	- - - - -	- - - - -	- - - - -	- - - - -
<b>C6</b>	<b>Access Plug</b> 100mm dia 50mm dia.	4 2	No. No.	- -	- -	- -	- -
<b>C7</b>	<b>Floor Drain</b> 50mm Dia.	6	No.	-	-	-	-
<b>C8</b>	Pipe support and Fixing Accessories	1	Lot				-
<b>C9</b>	<b>Labelling</b> , Label all the valves and all other necessary items	1	Lot				-
<b>C10</b>	Allow for all other items considered necessary for a complete installation of soil and waste pipe system in accordance with the specification and drawing.	1	Lot				-
	<b>SOIL AND WASTE PIPES</b>						-
<b>D</b>	<b>FIRE FIGHTING SYSTEM</b> Supply, install, test and commission fire Extinguishers system including fittings, valves, support, labelling and painting, in accordance with the specifications, drawings and Fire Authorities requirements.						
<b>D1</b>	<b>Fire Fighting Extinguisher (SRI)</b> 5kg CO2	2	No	-	-	-	-

ITEM	DESCRIPTION	QTY	UNIT	DELIVER TO SITE	INSTALL AND /OR ERECT	RATE	AMOUNT
	9kg Dry powder	2	No	-	-	-	-
D2	Pipe clips and supports		Lot				-
	<b>SUB-TOTAL ITEM D</b>						-
<b>E</b>	<b>RAIN WATER DISPOSAL</b>						
	Supply, install, test and commission rain water disposal and air conditioning condensate pipe work including supports as per drawings and specification						
E1	<b>Pipe uPVC</b> 50mm dia x 3.18mm dia.	12	m	-	-	-	-
E2	<b>90Deg Bend</b> 50mm dia.	2	No.	-	-	-	-
E3	<b>45<sup>o</sup> Swept Bend</b> 50mm dia.	4	No.	-	-	-	-
E4	<b>Swept TEE</b> 50mm x 50mm x50mm dia	2	No.	-	-	-	-
E5	<b>Floor Drains</b> 50mm (Plastic Type)	3	No.	-	-	-	-
E6	<b>Support</b> , Supply and install pipe clips and supports		Lot				-
E7	Allow for all other items necessary for the complete installation of the rain water as per drawings and specification.		Lot				-
	<b>RAIN WATER DISPOSAL</b>						-

**MECHANICAL INSTALLATION WORKS**

**INTERNAL SUMMARY**

ITEM	DESCRIPTION	TOTAL COST
		NAIRA :K
A	SANITARY WARES. AND ACCESSORIES(FIX ONLY). .....	-
B	COLD/HOT WATER SUPPLY.....	-
C	SOIL AND WASTE PIPES.....	-
D	FIRE FIGHTING SYSTEM	-
E	RAIN WATER DISPOSAL	-
	<b>SUB TOTAL</b>	-