IB 2023 –24 PROCUREMENT OF VARIUS CONSTRUCTION SUPPLIES AND MATERIALS FOR THE REPAIR OF VARIOUS UNIVERSITY BUILDINGS



SECTION VII-TECHNICAL SPECIFICATIONS



TECHNICAL SPECIFICATIONS

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Item	Specifications	Statement of Compliance
		[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and crossreferenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]
	Construction Materials for the propose Canopy	
frontin	g the OUR	
1	Angle bar (steel) 3/16" x 2" x 2" x 6.0m	
2	Portland Cement	
3	Crushed sand	
4	Crushed gravel, 3/4"	
5	CWN, 2 ½"	
6	CWN, 1 ½"	
7	Dyna expansion bolt, 3/8" x 3"	
8	Flat bar, 1/8 x 1" x 6.0m	
9	G.I. pipe schedule 40, 4" X 6.0m	
10	Lumber imported pine 2" x 3" x 10"	
11	Machine bolt & nuts, 16mm x 300mm	
12	Metal cutting disc 14"	
13	Paint brush,2"	
14	Paint roller, plastic handle with pan,4"	
15	Phenolic board, 1/2" x 4' x 8'	
16	Polycarbonate roofing, UV protected semi-opaque, 1.22m x 2.44 x 4.5mm thick	

17 Rectangular tube steel, 0.4mm x 2" x 4" x 6.0m 18 Red oxide metal primer 19 RSB, 10mm x 6.0m 20 RSB, 16mm x 6.0m 21 Square tube steel, 0.4mm x 2" x 2" x 6.0m 22 Tek screw nail 2" 23 Thick steel base plate, .30m x .30m x 6mm 24 Welding rod, E-6013, 3.2mm Lot B. Construction Materials for the proposed Landscaping Unit Building B1. Roofing Works 25 CWN, 4" 26 CWN, 3" 27 Langueta 28 Lumber imported pine, 2" x 6" x 12' 29 Lumber imported pine, 2" x 4" x 12' 30 Lumber imported pine, 2" x 4" x 12' 31 Lumber imported green ridge roll, .6mm x 18" x 8" 32 Pre-painted green ridge roll, .6mm x 18" x 8" 33 Pre-painted green valley gutter, .6mm x 18" x 8" 34 CWN 4"	
19 RSB, 10mm x 6.0m 20 RSB, 16mm x 6.0m 21 Square tube steel, 0.4mm x 2" x 2" x 6.0m 22 Tek screw nail 2" 23 Thick steel base plate, .30m x .30m x 6mm 24 Welding rod, E-6013, 3.2mm Lot B. Construction Materials for the proposed Landscaping Unit Building B1. Roofing Works 25 CWN, 4" 26 CWN, 3" 27 Langueta 28 Lumber imported pine, 2" x 6" x 12' 29 Lumber imported pine, 2" x 3" x 12' 30 Lumber imported pine, 2" x 4" x 12' 31 Lumber imported pine, 1" x 10" x 12' 32 Pre-painted green ridge roll, .6mm x 18" x 8" 33 Pre-painted green valley gutter, .6mm x 18" x 8" B2. Carpentry Works 34 CWN 4"	
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32 Pre-painted green ridge roll, .6mm x 18" x 8' 33 Pre-painted green valley gutter, .6mm x 18" x 8" B2. Carpentry Works 34 CWN 4"	
33 Pre-painted green valley gutter, .6mm x 18" x 8" B2. Carpentry Works 34 CWN 4"	
B2. Carpentry Works 34 CWN 4"	
34 CWN 4"	
2F CMM 2!!	
35 CWN 3"	
36 CWN 2 ½"	
37 CWN 1"	
38 G.I flat sheet pre-painted green, .6mm x 4' x 8'	
39 lumber imported pine, 2" x 3" x 10'	
40 Lumber imported pine, 2" x 3" x 12'	
41 lumber imported pine, 2" x 2" x 10'	
42 Marine plywood, 1/4" x 4' x 8'	
B3. Concrete Works	
43 G.I. pipe 3" diam. X 6.0m sched. 40	
44 G.I tie wire, #16	
45 RSB, 10mm diam. X 6.0m	

B4. Masonry Works 47 Portland Cement 48 Ceramic sink, oval type, standard, white, with complete fittings 49 CHB 4" 50 Crushed sand 51 Crushed gravel 3/4" 52 Floor tiles, 16" x 16", dirty white Water closet w/ complete accessories (flexible hose 1/2"x1/2"x16", angle valve 1/2"x1/2" stainless OD, rubber flapper, nipple 1/2"x4", tank fittings) 54 Door hinges brass plated, 4" x 4"	
Ceramic sink, oval type, standard, white, with complete fittings 49 CHB 4" 50 Crushed sand 51 Crushed gravel 3/4" 52 Floor tiles , 16" x 16", dirty white Water closet w/ complete accessories (flexible hose 1/2"x1/2"x16", angle valve 1/2"x1/2" stainless OD, rubber flapper, nipple 1/2"x4", tank fittings) 54 Door hinges brass plated, 4" x 4"	
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53 1/2"x1/2"x16", angle valve 1/2"x1/2" stainless OD, rubber flapper, nipple 1/2"x4", tank fittings) 54 Door hinges brass plated, 4" x 4"	
55 1 112	
55 RSB, 10mm diam. X 6.0m	
56 RSB, 12mm diam. X 6.0m	
57 Tile grout, 2kg/bag	
58 Twist lock door knob, brass plated	
59 Wall tiles (bone ivory), 12" x 24"	
Lot C. Construction materials for the general repair	
of male CR (University Gym)	
Aluminum framed 12-pc awning windows w/ 1/4" thick clear glass, 18" x 18" (fabricated)	
61 Portland cement	
62 Crushed sand	
63 Crushed gravel 3/4"	
64 Floor tiles, 16" x 16", White	
65 Water closet (White, 2pcs), with complete fittings	
66 Ceramic sink, Oval shaped , with complete fittings	
67 Metal screw Philip flat head type, stainless, 1 ½" long	
68 Sink faucet Stainless single handle	
69 Flat sheet, stainless , .6mm x 4' x 8'	
70 Rectangular tube, stainless .6mm x 1" x 2" x 12'	
71 Angle bar stainless , .6mm x 1" x 1" x 12'	
72 Square tube stainless, .6mm x 1" x 1" x 12' ,	
73 Door hinges stainless , 2" x 3"	
74 Pipe stainless,.6mm x 2" x 6.0m	
75 Welding rod, Stainless, E6013, 3.2mm	
76 Door knob (twist double lock) Stainless	
77 Tile adhesive	

78	Tile grout 2kg/hag	
	Tile grout 2kg/bag	
	Ceramic urinals, Wall mounted, standard	
	Wall tiles, 12" x 24" bone ivory	
	onstruction materials for the general repair of college of Engineering	
_	D1. Construction	
	Portland Cement	
+	CHB, 4"	
+	Crushed sand	
	Crushed gravel 3/4	
+	RSB, 10mm diam. X 6.0m	
+	RSB, 12mm diam. X 6.0m	
_	G.I. Tie wire, #16	
	D2. Plumbing	
	PVC Pipe S-1000, 100mm (4")	
+	PVC Pipe S-1000, 100mm (4")	
+	PVC elbow (90°) S-1000, 4"	
	PVC Tee, S-1000 , 4"	
	PVC Tee, 5-1000 , 4 PVC Wye, 4" x 4" S-1000	
	PVC Wye, 4" x 2" S-1000 PVC Wye, 4" x 2" S-1000	
+	•	
	PVC elbow (90°) 2", S-1000	
+	PVC Tee 2", S-1000	
	Toilet bowl w/ complete fittings, 1pc, standard onstruction materials for the general repair of	
	old Admin Building	
	Portland Cement	
98	Floor tiles, 16" x 16", white	
99	Goose neck stainless faucets	
100	Floor drains, stainless, 4" x 4",	
101	Toilet bowl w/ complete fittings, 1-pc standard	
102	Tile adhesive	
103	Tile grout 2kg/bag	
104	Ceramic urinals flush, Wall mounted, standard	
105	Wall tiles, 12" x 24" bone ivory	
	onstruction materials for the improvement of	
	oxes and Pathways including Shimumura park	
	Portland Cement	
	CHB, 4"	
	Concrete neutralizer	
	Crushed sand	
	Crushed gravel 3/4"	
111	Flat latex (White)	

112	paint brush, 3"	
113	paint brush, 1 ½ "	
114	paint brush, 1"	
115	Paver brick, hexagon, key type	
116	River sand (fine)	
117	RSB, 10mm diam. X 6.0m	
118	Semi-gloss latex (choco brown)	
119	Semi-gloss latex (bone ivory)	
120	G.I. tie wire, #16	
Lot G. (Construction for fencing at the flood control	
121	Angle bar, 1/4" x 1 ½" x 1½"	
122	Portland Cement	
123	CHB, 4"	
124	Crushed sand	
125	G.I. pipes, 3" S40	
126	Cyclone wire Gauge 12.5' x 2" x 2" x 6m	
127	River sand	
128	RSB, 10mm diam. X 6.0m	
129	RSB, 16mm diam. X 6.0m	
130	G.I. tie wire, #16	
131	Welding rods, E6013, 3.2mm	
	Construction Materials for Repair and	
iviainte	Pnance of University Buildings H1. Construction	
132	Marine Plywood 3/4"x4'x8'	
133	Aluminum nylon plastic roller, single 27mm diameter of roller	
134	Aluminum clip 1/4"x12'	
135	Aluminum sliding upper & lower Caha 1"x12'	
136	Blind Rivets 5/32"x1/2"	
137	Blind Rivets 5/32"x 1"	
138	Blind Rivets 1/8"x 1/2"	
139	Blind Rivets 1/8"x 1"	
140	Blind Rivets 1/8"x 3/4"	
141	Blind Rivets 3/16"x 1/2"	
142	Blind Rivets 3/16"x 1"	
143	Blind Rivets 3/16"x 3/4"	
144	Concrete water proofing sealant/ bond, 4L/gal	
145	Carbon brush, for planer 1100, CB 100A	
146	Carbon brush, for planer 1900, CB 51A	
147	Carbon brush, for speed cutter makita CB 204	
148	Carbon brush for makita grinder CB 411A	

149	concrete culverts, 16" diameter	
	Construction gloves, rubber palm, green	
130	Door knob, twist lock, stainless steel	
	Fishing line, .5mm tanse	
	Hacksaw blade, HD, 12"/300mm	
133	Lumber imported pine, 2"x3"x10'	
	Lumber imported pine, 2"x2"x10'	
133	Lumber imported pine, 1"x2"x10'	
	Lumber moulding 1"x2"x8',s4s	
	Masonry putty	
	Masonry drill bit 9.5mm	
	Masonry drill bit 8mm	
	Masonry drill bit 6.5mm	
	Masonry drill bit 5mm	
	Masonry drill bit, 4mm	
	Masonry drill bit 3mm	
	Metal drill bit 1/8"ø, HS	
100	Metal drill bit 3/16"ø, HS	
	Metal drill bit 5/32"ø, HS	
	Metal cutting disc 4"	
103	Paint Thinner	
	Paint red oxide primer	
	Paint Flat wall enamel	
1,2	Power bond	
	Drawer Puller, 4", antique, w/ screw	
174	Drawer Puller 5", antique, w/ screw	
175	Sanding sealer	
176	Floor Sanding paper # 100	
177	Floor Sanding paper # 80	
178	Floor Sanding paper # 120	
179	Silicon gun	
180	Tile cutting disc 4", diamond wheel, 105Dx1.2Tx20H	
181	Varnish, polyutherine	
182	WD-40, 469 ml	
183	Welding rod E6013, 3.2mm	
184	Welding rod N-6013, 2.5mm	
185	Wood glue(stickwel)	
	H2. Fixtures	
186	Single roller brass for Sliding window SD series	
187	Double roller brass for Sliding window SD series	
188	Sliding window double head lock tile for traditional series	

Siding window interlocker double jamb double sill for traditional series	189	Sliding window single head lock tile for traditional series	
Sliding window interlocker single jamb double sill for traditional series 192 Sliding window bottom rail for traditional series 193 Sliding window bottom rail for traditional series 194 His Plumbing supplies 195 Blides spray hand held, gun set and with complete fittings & accessories 196 Galebow 1/2" dia. 197 Galebow 1/2" dia. 198 Gi nipple, 1/2" x 2" 199 Gi nipple, 1/2" x 4" 200 Gi nipple, 1/2" x 6" 201 Gi nipple, 1/2" x 6" 201 Gi nipple, 1/2" x 6" 201 Gi nipple, 1/2" x 0" 202 Gi nipple, 1/2" x 0" 203 Gi plop, 3/4" x 4" 204 Gi plop, 3/4" x 4" 205 Gi plop, 3/4" s 40, 20" 206 Lavatory faucet, 1/2", stainless 207 PVC Blow, 2" x 90.0 orange 208 PVC elbow, 3" x 90.0 orange 209 PVC plop, 2", s 1000, orange 200 PVC Ptrap, 2", orange 210 PVC et-trap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Replacement piece 1/2" for connector of hose & G.I. Brass 215 Replacement piece 3/4" for connector of hose & G.I. Brass 216 Replacement piece 3/4" for connector of hose & G.I. Brass 217 Replacement piece 1/2" for connector of hose & G.I. Brass 218 Replacement piece 3/4" for connector of hose & G.I. Brass 219 PVC tee, 2" orange 220 PPR Tee 1/4" dia. 221 PPR Tee 1/4" dia. 222 PPR Tee 1/2" dia. 223 PPR Tee 3/4" dia. 224 PPR Coupling 1/2" dia. 225 PPR Coupling 1/2" dia. 226 PPR Tee 1/2" dia. 227 PPR Tee 1/2" dia. 228 PPR Tee 3/4" dia. 229 PPR Tee 1/2" dia. 220 PPR Tee 1/2" dia. 220 PPR Tee 1/2" dia. 221 PPR Coupling 3/4" dia. 222 PPR Tee 1/2" dia. 223 PPR Tee 3/4" dia. 224 PPR Coupling 3/4" dia. 225 PPR Coupling 3/4" dia. 226 PPR Blobow 1/2" cone side threaded			
192 Silding window top rail for traditional series 193 Silding window bottom rail for traditional series 194 H3. Plumbing Supplies 195 Bidet spray hand held, gun set and with complete fittings & accessories 195 Floating switch, electrical 196 G I elbow, 1/2" dia. 197 GJ elbow 1" dia. 198 Gi nipple, 1/2" x 2" 199 Gi nipple, 1/2" x 4" 200 Gl nipple, 1/2" x 6" 201 GJ nipple, 1/2" x 6" 201 GJ nipple, 1/2" x 6" 201 GJ nipple, 1/2" x 6" 202 GJ nipple, 1"x2" 203 GJ piple, 1,2" x 3" 204 GJ nipple, 1"x2" 205 Hose connector 1/2" dia, brass 206 Lavatory faucet, 1/2", stainless 207 PVC elbow, 2" x 900, orange 208 PVC elbow, 3" x 900, orange 209 PVC pipe, 2", s-1000, orange 209 PVC pipe, 2", s-1000, orange 210 PVC Ptrap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tec, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & GJ, Brass 215 Replacement piece 1/2" for connector of hose & GJ, Brass 216 Replacement piece 1/2" for connector of hose & GJ, Brass 217 Replacement piece 3/4" for connector of hose & GJ, Brass 218 Teffon tape, Jumbo 219 Unital push valve 1/2" dia. 220 PPR teobow 1/2" dia. 221 PPR coupling 1/2" dia. 222 PPR Coupling 1/2" dia. 223 PPR Coupling 1/2" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 1/2" dia. 226 PPR elbow 1/2" dia. 227 PPR coupling 1/2" dia. 228 PPR Coupling 1/2" dia. 229 PPR Coupling 1/2" dia. 220 PPR Relbow 1/2" dia. 220 PPR Coupling 1/2" dia. 221 PPR Coupling 1/2" dia. 222 PPR Coupling 3/4" dia. 223 PPR Coupling 1/2" dia. 224 PPR Coupling 1/2" dia. 225 PPR Coupling 3/4" dia. 226 PPR Relbow 1/2" one side threaded	190		
H3. Plumbing Supplies H3. Plumbing Supplies Biddet spray hand held, gun set and with complete fittings & successories Floating switch, electrical G1 elbow, 1/2" dia. G1 elbow, 1/2" x 2" G1 nipple, 1/2" x 2" G1 nipple, 1/2" x 4" G1 nipple, 1/2" x 6" G1 nipple, 1/2" x 4" G1 nipple, 1/2" x 6" G1 nip	191		
H3. Plumbing Supplies	192	Sliding window top rail for traditional series	
Bidet spray hand held, gun set and with complete fittings & accessories	193	Sliding window bottom rail for traditional series	
194 accessories			
Gil elbow, 1/2" dia.	194	, ,	
197 G.I elbow 1" dia. 198 GI nipple, 1/2" x 2" 199 GI nipple, 1/2" x 4" 200 GI nipple, 1/2" x 6" 201 GI nipple, 1/2" x 6" 201 GI nipple, 1/2" x 6" 202 G.I nipple, 1/x" dia. 202 G.I nipple, 1/x" dia. 203 GI pipe, 1/x" s 40, 20' 204 G.I pipe, 3, s 40, 20' 205 Hose connector 1/2" dia, brass 206 Lavatory faucet, 1/2", stainless 207 PVC elbow, 2" x 900, orange 208 PVC elbow, 3" x 900, orange 209 PVC pipe, 2", s-1000, orange 210 PVC P-trap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 1/2" for connector of hose be G.I, Brass 216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teffon tape, Jumbo 219 Urinal push valve 1/2" dia. 210 PPR elbow 1/2" dia. 221 PPR Tee 1/2" dia. 222 PPR Tee 1/2" dia. 223 PPR Tee 3/4" dia. 224 PPR Coupling 1/2" dia. 225 PPR Coupling 1/2" dia. 226 PPR Elbow 1/2" one side threaded 227 PPR elbow 1/2" one side threaded 228 PPR Elbow 1/2" one side threaded 220 PPR Elbow 1/2" one side threaded 221 PPR Elbow 1/2" one side threaded 222 PPR Elbow 1/2" one side threaded 223 PPR Elbow 1/2" one side threaded 224 PPR Elbow 1/2" one side threaded 226 PPR Elbow 1/2" one side threaded 227 PPR Elbow 1/2" one side threaded 228 PPR Elbow 1/2" one side threaded 229 PPR Elbow 1/2" one side threaded 220 PPR Elbow 1/2	195	Floating switch, electrical	
198 Gi nipple, 1/2" x 2" 199 Gi nipple, 1/2" x 4" 200 Gi nipple, 1/2" x 6" 201 Gi nipple, 1/2" x 6" 202 G.J nipple, 1"x2" 203 Gi pipe, 1, 1"x2" 204 G.J pipe, 3, 4" x 4" 205 Hose connector 1/2" dia, brass 206 Lavatory faucet, 1/2", stainless 207 PVC elbow, 2" x 900, orange 208 PVC elbow, 2" x 900, orange 209 PVC pipe, 2", -1000, orange 201 PVC reducer, 3" x 2" 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose & G.I, Brass 216 Replacement piece 3/4" for connector of hose, Brass 217 Replacement piece 3/4" for connector of hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR tee 1/2" dia. 222 PPR Tee 1/2" dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded 226 PPR elbow 1/2" one side threaded	196	G.I elbow, 1/2" dia.	
199 Gi nipple, 1/2" x 4" 200 Gi nipple, 1/2" x 6" 201 Gi nipple, 3/4" x4" 202 G.J nipple, 1"x2" 203 Gi pipe, 1/2" s-40, 20' 204 G.J pipe, 3", s 40, 20' 205 Hose connector 1/2" dia, brass 206 Lavatory faucet, 1/2", stainless 207 PVC elbow, 2" x 900, orange 208 PVC elbow, 3" x 900, orange 209 PVC pipe, 2", s-1000, orange 210 PVC P-trap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.J. Brass 215 Replacement piece 3/4" for connector of hose & G.J. Brass 216 Replacement piece 3/4" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR coupling 1/2" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded 276 PPR elbow 1/2" one side threaded 277 PR elbow 1/2" one side threaded 278 PPR elbow 1/2" one side threaded 279 PPR elbow 1/2" one side threaded 270 PPR elbow 1/2" one side threaded 271 PPR elbow 1/2" one side threaded 272 PPR elbow 1/2" one side threaded 273 PPR elbow 1/2" one side threaded 274 PPR elbow 1/2" one side threaded 275 PPR elbow 1/2" one side threaded 276 PPR elbow 1/2" one side threaded 277 PPR elbow 1/2" one side threaded 278 PPR elbow 1/2" one side threaded 279 PPR elbow 1/2" one side threaded 270 PPR elbow 1/2" one side threaded 270 PPR elbow 1/2" one side threaded 270 PPR elbo	197	G.I elbow 1" dia.	
Gi nipple, 1/2" x 6" Gi nipple, 3/4" x4" Gi nipple, 1"x2" Gi pipe, 1/2" s-40, 20' Gi pipe, 1/2" s-40, 20' Gi pipe, 1"x s-40, 20' Cos Hose connector 1/2" dia, brass Lavatory faucet, 1/2", stainless PVC elbow, 2" x 900, orange PVC elbow, 2" x 900, orange PVC pipe, 2", s-1000, orange PVC Pripe, 2", s-1000, orange PVC P-trap, 2", orange PVC reducer, 3" x 2" PVC tee, 2" orange PVC tee, 2" orange PVC Reducer, 3" x 2" Replacement piece 1/2" for connector of hose & G.I, Brass Replacement piece 3/4" for connector of hose, Brass Replacement piece 3/4" for connector of hose to hose, Brass Teflon tape, Jumbo Urinal push valve 1/2" dia. PPR elbow 1/2" dia. PPR PPR elbow 3/4" dia. PPR Tee 1/2"dia. PPR Tee 3/4" dia. PPR Tee 3/4" dia. PPR Coupling 1/2" dia. PPR Coupling 1/2" dia. PPR coupling 3/4" dia. PPR coupling 3/4" dia. PPR coupling 3/4" dia. PPR elbow 1/2" ones side threaded	198	GI nipple, 1/2" x 2"	
Stripple, 3/4" x4"	199	GI nipple, 1/2" x 4"	
School S	200	GI nipple, 1/2" x 6"	
Silipipe, 1/2" s-40, 20"	201	GI nipple, 3/4" x4"	
Gl pipe, 3", s 40, 20' 205 Hose connector 1/2" dia, brass 206 Lavatory faucet, 1/2", stainless 207 PVC elbow, 2" x 90o, orange 208 PVC elbow, 3" x 90o, orange 209 PVC pipe, 2", s-1000, orange 210 PVC P-trap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.J., Brass 215 Replacement piece 3/4" for connector of hose by hose, Brass 216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR Tee 1/2"dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 1/2" dia. 226 PPR elbow 1/2" one side threaded	202	G.I nipple, 1"x2"	
Hose connector 1/2" dia, brass Lavatory faucet, 1/2", stainless PVC elbow, 2" x 90o, orange PVC elbow, 3" x 90o, orange PVC pipe, 2", s-1000, orange PVC P-trap, 2", orange PVC P-trap, 2", orange PVC reducer, 3" x 2" PVC reducer, 3" x 2" PVC tee, 2" orange PVC tee, 2" orange Replacement piece 1/2" for connector of hose & G.I, Brass Replacement piece 3/4" for connector of hose & G.I, Brass Replacement piece 1/2" for connector of hose by Brass Replacement piece 3/4" for connector of hose to hose, Brass Teffon tape, Jumbo Urinal push valve 1/2" dia. PPR elbow 1/2" dia. PPR Tee 3/4" dia. PPR Tee 3/4" dia. PPR coupling 1/2" dia.	203	GI pipe, 1/2" s-40, 20'	
206 Lavatory faucet, 1/2", stainless 207 PVC elbow, 2" x 90o, orange 208 PVC elbow, 3" x 90o, orange 209 PVC pipe, 2", s-1000, orange 210 PVC P-trap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose by G.I, Brass 216 Replacement piece 1/2" for connector of hose by G.I, Brass 217 Replacement piece 3/4" for connector of hose by Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR tee 1/2"dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" noe side threaded	204	G.I pipe, 3", s 40, 20'	
PVC elbow, 2" x 90o, orange PVC elbow, 3" x 90o, orange PVC pipe, 2", s-1000, orange PVC P-trap, 2", orange PVC reducer, 3" x 2" PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose by G.I, Brass 216 Replacement piece 3/4" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teffon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR Tee 1/2"dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	205	Hose connector 1/2" dia, brass	
PVC elbow, 3" x 90o, orange 209 PVC pipe, 2", s-1000, orange 210 PVC P-trap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose be G.I, Brass 216 Replacement piece 3/4" for connector of hose be ones, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR Tee 1/2"dia. 222 PPR Tee 3/4" dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	206	Lavatory faucet, 1/2", stainless	
PVC pipe, 2", s-1000, orange 210 PVC P-trap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose & G.I, Brass 216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR Tee 1/2"dia. 222 PPR Tee 3/4" dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	207	PVC elbow, 2" x 90o, orange	
210 PVC P-trap, 2", orange 211 PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose & G.I, Brass 216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR Tee 1/2"dia. 222 PPR Tee 3/4" dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	208	PVC elbow, 3" x 90o, orange	
PVC reducer, 3" x 2" 212 PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose & G.I, Brass 216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR Tee 1/2"dia. 222 PPR Tee 3/4" dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	209	PVC pipe, 2", s-1000, orange	
PVC tee, 2" orange 213 Padlock, laminated steel 214 Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose & G.I, Brass 216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR Tee 1/2"dia. 222 PPR Tee 3/4" dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	210	PVC P-trap, 2", orange	
Padlock, laminated steel Replacement piece 1/2" for connector of hose & G.I, Brass Replacement piece 3/4" for connector of hose & G.I, Brass Replacement piece 1/2" for connector of hose to hose, Brass Replacement piece 3/4" for connector of hose to hose, Brass Teflon tape, Jumbo Urinal push valve 1/2" dia. PPR elbow 1/2" dia. PPR elbow 3/4" dia. PPR elbow 3/4" dia. PPR Tee 1/2"dia. PPR Tee 3/4" dia. PPR Coupling 1/2" dia. PPR coupling 3/4" dia. PPR coupling 3/4" dia. PPR elbow 1/2" one side threaded	211	PVC reducer, 3" x 2"	
Replacement piece 1/2" for connector of hose & G.I, Brass 215 Replacement piece 3/4" for connector of hose & G.I, Brass 216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR elbow 3/4" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	212	PVC tee, 2" orange	
215 Replacement piece 3/4" for connector of hose & G.I, Brass 216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR elbow 3/4" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	213	Padlock, laminated steel	
216 Replacement piece 1/2" for connector of hose to hose, Brass 217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR elbow 3/4" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	214	Replacement piece 1/2" for connector of hose & G.I, Brass	
217 Replacement piece 3/4" for connector of hose to hose, Brass 218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR elbow 3/4" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	215	Replacement piece 3/4" for connector of hose & G.I, Brass	
218 Teflon tape, Jumbo 219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR elbow 3/4" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	216	Replacement piece 1/2" for connector of hose to hose, Brass	
219 Urinal push valve 1/2" dia. 220 PPR elbow 1/2" dia. 221 PPR elbow 3/4" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	217	Replacement piece 3/4" for connector of hose to hose, Brass	
220 PPR elbow 1/2" dia. 221 PPR elbow 3/4" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	218	Teflon tape, Jumbo	
221 PPR elbow 3/4" dia. 222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	219	Urinal push valve 1/2" dia.	
222 PPR Tee 1/2"dia. 223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	220	PPR elbow 1/2" dia.	
223 PPR Tee 3/4" dia. 224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	221	PPR elbow 3/4" dia.	
224 PPR coupling 1/2" dia. 225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	222	PPR Tee 1/2"dia.	
225 PPR coupling 3/4" dia. 226 PPR elbow 1/2" one side threaded	223	PPR Tee 3/4" dia.	
226 PPR elbow 1/2" one side threaded	224	PPR coupling 1/2" dia.	
	225	PPR coupling 3/4" dia.	
227 PPR ball valve 1/2" dia.	226	PPR elbow 1/2" one side threaded	
·	227	PPR ball valve 1/2" dia.	

228	PPR ball valve 3/4" dia.	
229	PPR union 1/2" dia.	
230	PPR union 3/4" dia.	
	H4. Electrical Supplies	
231	Circuit breaker element 15A	
232	Circuit breaker element 40A	
233	PDX wire, #14/2C	
234	PDX wire, #12/2C	
235	THHN/THWN wire, #2.0mm2(150mtr per box)	
236	THHN/THWN wire, #3.5mm2 (150mtr per box)	
237	THHN/THWN wire, #8.0mm2 (150mtr per box)	
238	Flat cord, #14/2C (150mtr per box)	
239	Conventional Outlet 2 gang universal surface type	
240	Adaptor 3 prong to flat AC plug	
241	T8 LED lamp, long 18W/DL	
242	15W LED bulb/230V	
243	Flourescent lamp fixture 2x40	
244	Arc pull box, 4" x 5" x 16"	
245	Arc pull box, 4" x 5" x 11"	
246	Concrete staples 1"	
247	Male plug, rubber, with clamp	
248	Mouldflex, 1/2" dia.	
249	PVC amco box 2"x4"	
250	PVC Moulding, 1" x 8'	
251	PVC pipe, 1/2" dia x10'	
252	Rubber plug w/ clamp	
253	Solderless clamp 1/2", Brass dia.	
254	Solderless clamp 3/4", Brass dia.	
255	Solderless clamp 1", Brass dia.	

No	nme of Bidder over Printed Name
	Date