

### Material Rate of Sanitary Works FY 076/077

S.N	Description of material	Per Unit	076/77
1	Skilled Labour Masson Sindhuli	day	1100.00
2	Skilled Labour Plumber Sindhuli	day	1100.00
3	Un skilled Labour Sindhuli	day	800.00
4	P or S trap.	No	590.00
5	White glazed footrest	No	399.00
6	32 mm pvc bottle trap	No	454.00
7	Waste coupling 32mm	No	393.00
8	1.5cm (½") dia.CP Sink cock	No	1483.00
9	10.0 ltr.porcelain clay low level flushing cistern complete accessories	Set	3390.66
10	10.0 ltr.PVC low level flushing cistern complete accessories	Set	1880.00
11	32mmx60mm size flushing CP pipe	No	474.00
12	1.5x45 cm(½" x18") PVC pipe connector	No	140.00
13	Bracket	No	135.00
14	580 mm Porcelain clay white glaze Orissa Pan (Hindustan, Parryware, Classica, cera or equivalent)	No	2456.00
15	580 mm Porcelain clay white glazed <b>indian Pan</b> (Hindustan, Parryware, Classica, cera or equivalent )	No	1049.00
16	530 mm Porcelain clay white glaze Orissa Pan (Hindustan, Parryware, Classica,cera or equivalent )	No	2524.00
17	Porcelain clay white glaze Indian Pattern Comode (Hindustan, Parryware, Classica, cera or equivalent ) regular	Set	1587.00
18	Porcelain clay first colour glaze Indian Pattern Comode , cistern, seat cover all complete set (Hindustan, Parryware, Classica, cera or equivalent ) Constellation type, cascade type	Set	8656.00
19	Porcelain clay white glaze Indian Pattern Comode all complete set(Hindustan, Parryware, Classica, cera or equivalent ) <b>Constellation type, cascade type</b>	Set	18119.00
20	6/3 ltr.porcelain clay low level dual flushing cistern complete accessories,Constellation type	Set	3185.00
21	Bakelite toilet seat cover premium	Set	270.00
22	Porcelain clay white glaze European Pattern Comode with cistern ,seat cover <b>One piece Ellisa</b> , Plaza, Lexigton or equivalent( American standard) Cotto or equivalent )	Set	28875.00
23	Porcelain clay white glaze European Pattern Comode with cistern ,seat cover <b>Two piece</b> ( American standard) Cotto or equivalent )	Set	13437.00
24	55x40cm Porcelain clay Oval white glaze Wash basin (Hindustan, Parryware, Classica, cera or equivalent ) regular	Set	1481.00
25	a .55x40cm Porcelain clay Oval white glaze Wash basin with semi pedestal	Set	7178.00
26	75x50cm Porcelain clay Oval white glaze Wash basin (Hindustan, Parryware, Classica, cera or equivalent ) regular	Set	6232.00
27	15 mm CP <b>basin mixer</b> jaquar,nova , Ark or equivalent	Set	3891.00
28	Porcelain clay white glaze <b>Semi Pedestal</b> (Hindustan, Parryware, Classica, cera or equivalent )	Set	1670.00
29	55x40cm Porcelain clay white glaze Wash basin (Hindustan, Parryware, Classica, cera or equivalent ) regular	No	1481.00
30	55x40cm Porcelain clay <b>first color glazed Wash basin</b> (Hindustan, Parryware, Classica, cera or equivalent ) <b>constallation type with pedestal.</b>	No	3990.00
31	Porcelain clay white glaze Pedestal for wash basin (Hindustan, Parryware, Classica, cera or equivalent )		1378.00
32	40x40cm Porcelain clay white glaze Corner Wash basin (Hindustan, Parryware, Classica, cera or equivalent )	No	1201.00
33	45x30x15 Cm (18"x12"x6") White glaze sink with C I bracket (Hindustan, Parryware, Classica, cera or equivalent)	Set	1575.00
34	53x43x18 (21"x17"x7") White glaze sink with C I bracket (Hindustan, Parryware, Classica, cera or equivalent )	Set	2117.00
35	60x45x25Cm (24"x18"x10") White glaze sink with bracket (Hindustan, Parryware, Classica, cera or equivalent )	Set	3585.00
36	<b>Small Flat back White glazed urinal with bracket, Constellation type, cascade type.</b>		1791.00
37	<b>Small Flat back First color glazed urinal with bracket, Constellation type, cascade type.</b>		8640.00

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38	46.5x35.5x26.5 cm White glaze flat back Urinal (Hindustan, Parryware, Classica, cera or equivalent )	Set	1880.00
39	61x41x38 cm Large Flat back White glazed urinal with bracket (Hindustan, Parryware, Classica, cera or equivalent.)	Set	4174.00
40	1½" Ø C.P. bottle trap including 1½" Ø PVC. waste coupling.	No	1717.00
41	17"X14"X13 White glaze Angle back Urinal (Hindustan)	No	1619.00
42	23"X14" White glaze squatting plate urinal (Hindustan or equivalent)	No	1212.00
43	68X30 cm White glaze Division plate urinal Partation (Hindustan or equivalent)	No	1690.00
44	300 ltr with 3 panel solar water heater	Set	49376.00
45	1000ltrs net capacity stainless steel water tank with Inlet, outlet, over flow, cleanout hole etc.17 GUAGE	No	17655.00
46	1500ltrs net capacity stainless steel tank with Inlet, outlet, over flow, cleanout hole etc.17 GUAGE	No	25088.00
47	2000 ltrs net capacity stainless steel tank with Inlet, outlet, over flow, cleanout hole etc. 17 GUAGE	No	34510.00
48	5000Ltr. PVC water tank with Inlet, outlet, over flow, cleanout hole etc.	No	55000.00
49	1000Ltr. PVC water tank with Inlet, outlet, over flow, cleanout hole etc.	No	11000.00
50	500 ltr PVC water tank with Inlet, outlet, over flow, cleanout hole etc.	No	5500.00
51	2000 Ltr.PVC water tank with Inlet, outlet, over flow, cleanout hole etc.	No	22000.00
52	1 HP Chinese pump	No	3270.00
53	1 HP Chinese submersible pump	No	9240.00
54	1.0 H P Electric motor pump (Submersible) Italian or equivalent	No	26089.00
55	0.5 H P Electric motor pump with base plate nuts, bolts etc.set crompton	No	6258.00
56	1.0 H P Electric motor pump with base plate nuts,bolts,etc.set	No	9465.00
57	1 H P Electric motor pump with base plate nuts, bolts etc.set multi crompton	No	14258.00
58	2 H P Electricmotor pump with base plate nuts, bolts etc.set crompton	No	22587.00
59	3 H P Electricmotor pump with base plate nuts, bolts etc.set crompton	No	23153.00
60	5 H P Electricmotor pump with base plate nuts, bolts etc.set crompton	No	28657.00
61	White glaze toilet paper holder (Recessed type)-Cotto	No	1103.00
62	White glaze toilet paper holder	No	1157.00
63	Chrome plate toilet paper holder	No	473.00
64	Stainless steel liquid soap container (cotto)	No	5948.00
65	White glaze soap tray	No	661.00
66	Stainless steel towel rod 1.5x45cm (½"x 18.")	No	1216.00
67	C.P Soap dish	No	473.00
68	C P Towel rod	No	525.00
69	C P Towel rod	No	510.00
70	C P Guard rail with glass	No	630.00
71	Porcelaine clay shelf rack type	No	3653.00
72	Bevelled edge looking mirror	No	600.00
73	Looking Mirror Modi guard 450x600mm (18"x 24")	No	1431.00
74	73 mm Ms Seamless Pipes SCH 40	No	1895.00
75	101.6 mm Ms Seamless Pipes SCH 40	No	3205.00
76	7.5cm dia shower rose fancy type with 30cm c p rod	No	840.00
77	Stainless Steel Shower rose with sliding bar complete set.	No	2920.00
78	Telephonic Shower rose ordinary type (5.0 to 10.00 cm)	No	1216.00
79	C.P Flush valve Eurorpean pattern	No	5009.00
80	15mm fancy type bib cock heavy type	No	952.00
81	15mm dia Stainless steel bib cock	No	4216.00
82	15mm fancy type angle valve	No	1153.00
83	15mm Auto closing bib cock with aerator	No	2420.00

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84	15mm Urinal Auto closing Valve with built in control cock	No	2497.00
85	Water spray (Health faucet) with 1.2 m. long flexible pipe.	Set	1092.00
86	sensor valve for urinal	No	10147.00
87	15mm Stainles steel angle valve	No	788.00
88	15mm two way angle valve, jaquar, essco, or equivalent	No	1103.00
89	CP Piller Cock good	No	1234.00
90	15 mm dia stainless steel Piller Cock	No	4216.00
91	15mm CP concealed stop cock	No	1675.00
92	15mm gate valve	No	801.71
93	20 mm gate valve	No	998.41
94	25mm gate valve	No	1607.54
95	32 mm gate valve	No	22.00
96	40mm gate valve	No	2888.62
97	50 mm gate valve	No	4599.47
98	65 mm gate valve	No	9508.88
99	80 mm gate valve	No	11823.08
100	100 mm gate valve	No	19364.90
101	15 mm G M check valve	No	743.85
102	20 mm G M check valve	No	1000.07
103	25 mm G M check valve	No	1479.44
104	32 mm G M check valve	No	2186.09
105	50 mm G M check valve	No	4194.49
106	65 mm G M check valve	No	8521.22
107	80 mm G M check valve	No	11380.91
108	100mm GM CHECK VALVE with flange	No	16083.69
109	Floor Trap 11x7.5cm (4" X 2½")	No	280.00
110	C P GRATTING 100 mm DIA SIZE STEEL DOME	No	46.00
111	C P GRATTING 12.5cm (5") DIA SIZE	No	58.00
112	Aluminium Grating 100 mm	No	40.00
113	160 mm dia DWV Upvc pipe with foamcore Double sockets SN-4 Grey color, Astral or eqv	Rm	1350.00
114	110 mm dia DWV Upvc pipe with foamcore Double sockets SN-4 Grey color, Astral or eqv	Rm	473.00
115	75 mm dia DWV Upvc pipe with foamcore Double sockets SN-4 Grey color, Astral or eqv	Rm	262.00
116	Stainless steel wall mixture complete set.	set	4104.00
117	15 mm G. I. Pipe 'B' class	Rm	101.67
118	20 mm G. I. Pipe 'B' class	Rm	138.33
119	25 mm G. I. Pipe 'B' class	Rm	195.00
120	32 mm G. I. Pipe 'B' class	Rm	250.00
121	40 mm G. I. Pipe 'B' class	Rm	310.00
122	50 mm G. I. Pipe 'B' class	Rm	475.00
123	80 mm G. I. Pipe 'B' class	Rm	635.00
124	Stainless steel Basin mixture complete set.	set	6813.00
125	9 cm Concealled flushing cistern complete accessories ( Geberit or eqv. )	set	7431.00
126	Dual flush Actuator plate	set	3646.00
127	Inspection Chamber body 45x45cm	nos	3000.00
128	Inspection Chamber Riser	nos	1490.00
129	Inspection Chamber Lid with cover	nos	2829.00
130	Inspection Chamber body 60x60cm	nos	8284.00
131	Inspection Chamber Riser	nos	2634.00

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132	Inspection Chamber Lid with cover	nos	4395.00
133	50 mm dia. Pvc pipe 6 Kg/cm2	Rm	99.12
134	75 mm dia. Pvc pipe 6 Kg/cm2	Rm	221.77
135	110 m m dia. Pvc pipe 6 Kg/cm2	Rm	462.12
136	15.0 Ltr wate heater including copper pipe connector with coupling and other necessary fittings complete American.	Set	11550.00
137	25.0 Ltr wate heater including copper pipe connector with coupling and other necessary fittings complete.	Set	16511.00
138	35.0 Ltr wate heater including copper pipe connector with coupling and other necessary fittings complete.	Set	20528.00
139	50.0 Ltr wate heater including copper pipe connector with coupling and other necessary fittings complete.	Set	24544.00
140	Bath tub 5"-6"x2"-6" with complete fittings.	No	9100.00
141	Bath tub spout(Hot and cold) with Telephonic shower.	No	4605.00
142	Acrylic Type shower tray70x70cm (29"x29") with complete fittings.	No	
143	15 mm cp bath spout	No	1873.00
144	Sensor mixer for basin (Battery operating)	No	19513.00
145	Sink mixture complete set.	No	4144.00
146	CI Cover 45x45cm (18" X 18") 14 kg	No	2391.00
147	CI Cover 22" X 22" (20 kg)	No	3188.00
148	Fire Post complete set	Set	27214.00
149	Fire pump 20 HP two pump set with panel board and accessories pedrollo, Italian,	Set	550000.00
150	Swinging hose reel with 20 mm hydraulic rubber braided hose 30 mt. Long, swinging up to 170° nozzle	Set	19700.00
151	Euro Guard Water purification set (one litre per minute)	Set	16263.00
152	Stainless steel, 90x45 size Bowl with drain board. Ordinary type	Set	2205.00
153	Stainless steel, 62" x 20" size Bowl with drain board.Ordinary type	Set	5513.00
154	High density polethene pipe 50mm.	Rm	94.50
155	High density polethene pipe 110mm.	Rm	425.75
156	High density polethene pipe 125 mm.	Rm	572.24
157	High density polethene pipe 140mm.dia.	Rm	725.25
158	High density polethene pipe 160mm. Dia	Rm	943.25
159	High density polethene pipe 180mm.	Rm	1190.50
160	High density polethene pipe 200mm.	Rm	1472.50
161	G.M. 25mm float valve	No	1297.00
162	Grab bar American standard	set	4560.00
163	Hand drayer germany with complete accessories	Rm	18480.00
164	15 mm Insulation for hot water pipe 'Aeroflex' of 6 mm wall thickness	Rm	85.00
165	25 mm Insulation for hot water pipe 'Aeroflex' of 6 mm wall thickness	Rm	126.00
166	32 mm Insulation for hot water pipe 'Aeroflex' of 6 mm wall thickness	Rm	158.00
167	15 mm (1/2") CPVC Pipe SDR 13.5 (3mtrs) CTS	Rm	114.94
168	20 mm (3/4") CPVC Pipe SDR 13.5 (3mtrs) CTS	Rm	160.15
169	25 mm (1") CPVC Pipe SDR 13.5 (3mtrs) CTS	Rm	209.96
170	32 mm (1 1/4") CPVC Pipe SDR 13.5 (3mtrs) CTS	Rm	261.29
171	40 mm (1 1/2") CPVC Pipe SDR 13.5 (3mtrs) CTS	Rm	365.51
172	50 mm (2") CPVC Pipe SDR 13.5 (3mtrs) CTS	Rm	558.60
173	5 kg Fire extingusher ABC type minimax	No	7130.00
174	116 kg CI heavy Manhole cover.	Set	14437.50
175	15 mm CPVC ball valve, CTS sockets,	No	365.42

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176	20 mm CPVC ball valve, CTS sockets,	No	485.98
177	25 mm CPVC ball valve, CTS sockets,	No	587.69
178	32 mm CPVC ball valve, CTS sockets,	No	1371.28
179	40 mm CPVC ball valve, CTS sockets,	No	1642.52
180	50 mm CPVC ball valve, CTS sockets,	No	2117.20
181	16 mm multi-layer composite pap pipe,	rm	100.98
182	20 mm multi-layer composite pap pipe,	rm	110.88
183	25 mm multi-layer composite pap pipe,	rm	118.80
184	32 mm multi-layer composite pap pipe,	rm	180.18
185	40 mm multi-layer composite pap pipe,	rm	281.16
186	50 mm multi-layer composite pap pipe,	rm	445.50
187	20 mm PPR pipe, PN-10 \SDR 11, Pachanya or eqv,	rm	61.79
188	25mm PPR pipe, PN-10 \SDR 11, Pachanya or eqv,	rm	94.26
189	32 mm PPR pipe, PN-10 \SDR 11, Pachanya or eqv,	rm	150.82
190	40 mm PPR pipe, PN-10 \SDR 11, Pachanya or eqv,	rm	237.74
191	50 mm PPR pipe, PN-10 \SDR 11, Pachanya or eqv,	rm	368.66
192	150 mm NP-2 RCC hump pipe	rm	480.00
193	200 mm NP-2 RCC hump pipe	rm	624.00
194	300 mm NP-2 RCC hump pipe	rm	1059.00
195	400 mm NP-2 RCC hump pipe	rm	1472.00
196	600 mm NP-2 RCC hump pipe	rm	2308.00
197	150 mm NP-3 RCC hump pipe	rm	1071.00
198	200 mm NP-3 RCC hump pipe	rm	1427.00
199	300 mm NP-3 RCC hump pipe	rm	2767.00
200	400 mm NP-3 RCC hump pipe	rm	3536.00
201	600 mm NP-3 RCC hump pipe	rm	5468.00
202	900 mm NP-3 RCC hump pipe	rm	10780.00
203	1000 mm NP-3 RCC hump pipe	rm	11980.00
204	1200 mm NP-3 RCC hump pipe	rm	14300.00
205	150 mm NP-2 RCC hump pipe collar	No	129.00
206	200 mm NP-2 RCC hump pipe collar	No	170.00
207	300 mm NP-2 RCC hump pipe collar	No	286.00
208	400 mm NP-2 RCC hump pipe collar	No	398.00
209	600 mm NP-2 RCC hump pipe collar	No	623.00
210	150 mm NP-3 RCC hump pipe collar	No	289.00
211	200 mm NP-3 RCC hump pipe collar	No	385.00
212	300 mm NP-3 RCC hump pipe collar	No	691.00
213	400 mm NP-3 RCC hump pipe collar	No	883.00
214	50 mm Plain Tee	No	68.00
215	50 mm Bend 90 degree	No	46.00
216	50 mm Bend 45 degree	No	45.00
217	75 mm Vent cowl	No	53.00
218	75 mm Plain tee	No	147.00
219	75 mm Plain door tee	No	198.00
220	75 mm Bend 90 degree	No	108.00
221	75 mm Door bend	No	139.00

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222	75 mm Bend 45 degree	No	88.00
223	75 mm Y- Branch	No	168.00
224	75 mm Cross tee	No	322.00
225	75 mm Pipe clip	No	28.00
226	110 mm Vent cowl	No	87.00
227	110 mm Plain tee	No	279.00
228	110 mm Door tee	No	364.00
229	110 mm Bend 90 degree	No	200.00
230	110 mm Door bend	No	242.00
231	110 mm Bend 45 degree	No	158.00
232	110 mm Y- Branch	No	363.00
233	110 mm Cross tee	No	510.00
234	110 mm Pipe clip	No	37.00
235	110 mm Gully trap	No	255.00

#### DWV fittings Leakproof, Moulded Specials

236	160 mm Bend 90 degree	No	988.00
237	160 mm x110 Reducer	No	449.00
238	160 mm Door tee	No	2016.00
239	160 mm 45 degree Bends	No	864.00
240	160 mm Plain tee	No	1157.00
241	160 mm Y- Branch	No	2118.00
242	160 mm Door bend	No	864.00
243	75 mm Bend 90 degree	No	177.00
244	75 mm Vent cowl	No	230.00
245	75 mm Door tee	No	349.00
246	75 mm 45 degree Bends	No	140.00
247	75 mm Plain tee	No	22.00
248	75 mm T- Branch	No	288.00
249	75 mm Door bend	No	81.00
250	110 mm Bend 90 degree	No	223.00
251	110 mm Vent cowl	No	161.00
252	110 mm Door tee	No	453.00
253	110 mm 45 degree Bends	No	282.00
254	110 mm Plain tee	No	437.00
255	110 mm Y- Branch	No	475.00
256	110 mm Door bend	No	103.00
257	4' Ø R.C.C. Ring	Rm	7109.00
258	3' 6"Ø R.C.C. Ring	Rm	5763.00
259	3' Ø R.C.C. Ring	Rm	4951.00
260	2' 6"Ø R.C.C. Ring	Rm	3901.00
261	Seat Cover	No	263.00

#### Special Sanitary Fittings

1	IPWC Comode with low level cistern set (Constellation type)	Set	2000
2	Wash Basin Pedastal White Glazed	No	900
3	Wash Basin Pedastal White Glazed Color	No	1000