

Material used for Manual Desludging Hand Pump

No	Material	Qty	Unit	Remarks
1	PVC – Y connection 3"	1	pc	Med quality –discharge pipe
2	PVC pipe 3"	2	m	Med quality Pump body
3	Galvanized iron pipe ½"	3	m	Piston
4	Hinge size 2"	2	pc	Valve (2 valve – screen and piston)
5	Bolt & Nut 10mm	4	pc	Joint (handle, top cap, and foot step)
6	PVC glue	1	tube	PVC joint
7	Galvanized Iron pipe 3"	15	cm	Top cap and screen
8	Iron plate 15 cm x 10 cm x 2mm	1	pc	Screen valve and piston valve
9	Rubber ring ¼"	1	pc	Leak protection
10	Iron bar 8mm	30	cm	Used in piston valve
11	Iron bar 3mm	1	m	For the screen