

**LIST OF TOOLS AND EQUIPMENTS FOR A BATCH OF OR
UNIT OF 16 TRAINEES**

Trainees Tool Kit

Sl. No.	Items	For Instructor	For Trainees
1	2	3	
1. TOOL KIT			
1.	Rule steel 300 mm both in inch and mm	1 No.	16
2.	Rule wooden 4 fold 690 mm	1 No.	16
3.	Hucksaw frame adjustable for 250 to 300	1 No.	16
4.	Scriber 200 mm.	1 No.	16
5.	Centre punch 100 mm.	1 No.	16
6.	Chisel cold flat 20 x 250 mm	1 No.	16
7.	Hammer ball peen 800 gms.	1 No.	16
8.	Hammer ball peen 300 mm	1 No.	16
9.	File flat rough 300 mm	1 No.	16
10.	Sprit Level wooden 300 mm	1 No.	16
11.	Plumb bob 50 gms.	1 No.	16
12.	Trowel 125 IS ; 6013	1 No.	16
13.	Stillson wrench 200 & 350 mm	1 No.	16
14.	Screw driver 250 mm	1 No.	16
15.	Wooden mallet small IS ; 2022	1 No.	16
16.	Cutting pliers 200 IS : 3650	1 No.	16
17.	Steel tape	1 No.	16

Tools, Measuring Instruments, Shop Outfit and General Installations.

18.	Surface plate 400 x 400 mm grade	1
19.	Scribing block universal 300 mm	2
20.	Hand vice jaw 50 mm	2
21.	File flat smooth 200 mm	2
22.	File half round rough 100 mm	2
23.	File square rough 250 mm	2

TS:
ld be able to do the following :

Indian water closet
European water closet
high level flushing cistern
low level flushing cistern
urinals
automatic tank
flush valve
wash basin
sink
bath tub

d of installing a bidet, working trough range urinals
; joining of drainage pipes

of gully trap
of vent pipe in drainage system

water heater (geyser)

ining sanitary fitting

iting material requirement for pipe layout for a building making from a pipe layout
visit should be arranged frequently to construction site.

Social Studies. The syllabus already been approved and is same for all the trades.

1	2	3
63.	Bend bolt	2
64.	Sheet lead knife	2
65.	Chipping knife	2
66.	Mirror 100 x 150 mm	2
67.	Splash stick	2
68.	Soil pot with brush	1
69.	Pot hook	1
70.	Turn pin	1
71.	D.E. spanners 7x8, 10x11, 13x17, 19x22, 24x27 IS : 2028	2 set
72.	Branch gimlets	2
73.	Bending spring	1
74.	Long dummy	2
75.	Short dummy	2
76.	Plumber ladle	2
77.	Joining cramp	2
78.	Plumbers metal melting pot 10 kg.	1
79.	Pipe stocks and dies complete with stocks brushing, bushing holders taps and tap wrenches sizes cov- ered to suit pipes of bore dia 6, 8, 10, 20, 25, 32, 40 and 50 mm	4
80.	Pipe vice to grip pipes up to 77 mm IS : 2587	4
81.	Tool caulking set of 2	2
82.	Stillson pattern pipe wrenches 450 mm to take pipe up to 52 mm dia IS : 4003	2
83.	Stillson pattern pipe wrenches 320 mm to take pipe upto 20 mm to 32 mm.	2 set
84.	Chain pipe wrench 90 mm 650 mm IS : 4223	2
85.	Adjustable spanner A 375 IS : 1649	1
86.	Anvil 50 or 63 kg. IS : 510	1
87.	Pipe bender manually operated	1
88.	Vice leg 75 mm, jaw on stand IS : 2588	1
89.	Hand drill 6 mm capacity with drill chuck	1
90.	Drill twist (straight shank) 3 mm to 6 mm	1

1	2	3
28.	Chisel cold flat 20 mm x 300 mm	2
29.	Chisel cross cut 6 x 150 mm IS ; 402	2
30.	Chisel round nose 3 x 150 mm IS : 402	2
31.	Chisel diamond point 6 x 150 mm	2
32.	Tap and die set to cut BSP thread	1 Set
33.	Punch letter set	1 Set
34.	Punch number set	1 Set
35.	Chase wedge 50 mm	2
36.	Dresser lead 350 x 50 mm	2
37.	Stick setting in 350 x 50 mm	2
38.	Saw plumber 300 mm	2
39.	Spanner monkey up to 50 mm	2
40.	Cutter, pipe wheel type 6 mm to 25 mm	1
41.	Pipe jointer, lead, universal	1
42.	Oil stone 150 mm x 50 mm x 25 mm	2
43.	Soldering iron, copper fit fire heated, hatched, straingt 500 gms.	4
44.	Snip straight 250 mm & Snip bend	2 each
45.	Try square 200 mm	2
46.	Inside calipaer 150 mm	2
47.	Calipaer outside 150 mm	2
48.	Odd leg caliper 200 mm	2
49.	Tenon saw	2
50.	Handsaw	2
51.	Morticc chisel	2
52.	Firmer Chisel	2
53.	Mallet medium IS : 2922	2
54.	Jack Plane	2
55.	Pliers combination 200 mm	2
56.	Blow lamp 500 millialitre	2
57.	Pipe opener	1
58.	Washer cutter	1
59.	Pressing stick	1

1	2	3
94.	Bath tup	1
95.	Stop tap water 20 mm IS : 781	4
96.	Wash basin (16" × 14" × 10") equivalent metric	2
97.	Water heater 22 litres	1
98.	Water closet (European type with down type cistern)	1 set
99.	Water closet Indian type complete with over head low down cistern	1 set
100.	Urinal wall type complete with automatic system	1 set
101.	Water meter	2
102.	Steel lockers with 8 drawers	2
103.	metal rack 1800 × 1500 × 450 mm	1
104.	Desk	1
105.	Stool	1
106.	Black board with case	1
107.	Fire extinguisher	1
108.	Fire bucket with sand	1
109.	Steel almirah	1
110.	Katehel break with post ad clamp flat drill 15 to 50 mm by 0.2 mm	1 set
111.	PVC welding plant	1
112.	Electric pump 1 HP	1
113.	D.E. pedestal grinder with two wheels 175 rough and smooth	1
114.	Hydraulic pressure machines for testing leakage in GI pipe fittings etc.	1
115.	Sight rail & bonning rod	1
116.	Ratchet pipe die 15 mm to 32 mm	1
117.	Bench drilling machine with chuck & key up to 15 mm capacity	1
118.	Double face hammers	2
119.	Dormat, Pickle, Spade, Girmale	1 each
120.	Pipe bender (Hydraulic type)	1

Note :

- No additional items are required to be provided for the batch working in the second shift except the items under trainees Tool Kit and lockers.
- No additional number of item marked (*) are required to be provided for additional number of batches / units.
- Items such as sockets elbow U-trap, W-tap pipes etc. required for day to day plumbing work should be purchased from training grant.
- The specification of the items in the above list have been given in Metric Units and are based on the ISI standards whenever available. While procuring the IST specifications should be strictly followed. Measuring instrument such as steel rule which are graduated both in English and Metric units may be procured, if available.