

ACCREDITATION NORMS FOR TRAINING CENTRES

Name of the qualification: Drinking Water Purifier Technician

Sector: Plumbing

NSQF Level: 3.5

The institution having the following requisite specifications i.e. infrastructure, tools, and staff is eligible for accreditation:

A. Trainer's Qualification criteria:

Faculty & Staff	Minimum Educational Qualification	Minimum Experience (In Years) required for the Trainer	Brief Description of the Desired Trainer Profile	No.
Coordinator	Graduate in any discipline	01	Graduate in any discipline with 1-year experience of coordinating a training center. Desirable: BBA or MBA Experience in water treatment Industry	1
Trainer	12 th pass	04	Diploma (Engineering in any stream) with minimum 3 years experience in water treatment OR Minimum 12 th Pass /ITI/NIOS plumbing certificate with 4 years of Experience in water treatment	1
Master Trainer	Diploma	03	Diploma (Engineering in any stream) with minimum 2 year of industry experience in Water Treatment and minimum 1year training experience in water treatment OR Graduate (Engineering in any stream) with minimum 2 year of industry experience with specialization in Water Treatment. OR Post-Graduate (Engineering in any stream) with minimum 1 year of industry experience with specialization in Water Treatment.	1

B. List of Tools, Equipment and Consumables: (for one batch of 25 Trainees)

(i) LIST OF TOOLS			
Sl. No.	Tools	Dimension/Specification/Description	Minimum number of Equipment Required (per batch of 30 trainees)
1.	Allen Key set of 12 pieces	2mm to 14mm	1
2.	Center Punch	10 mm. Dia. x 100 mm	1
3.	Electrician Screw Driver	250 mm	1
4.	Hammer ball peen with handle	0.5 kg	1
5.	Screw driver set Philips and + type	2-inchlength blade width 3 mm 6-inchlength blade size 6 mm 12 inch length blade size 8 mm	1
6.	Hack saw blade with frame	12 inch blade with frame	1
7.	Spanner set	6 – 32 mm 12 piece	1
8.	Plier set	Combination pliers 6 inch and 12 inch	1
9.	Adjustable pipe wrench	15.5x4.6x0.6 cm	1
10.	Pipe and wire cutter	4 inch and 11 inch	1
11.	Wire stripper	Overall length 163 mm , 10-22 SWG / AWG	1
12.	Digital multimeter	AC DC resolution 4.5 digits current measurement 2 A DC ,2 A AC resistance measurement 50 ohms to 50 Mega ohms. DC voltage 50 mV to 50 V , AC voltage 50 mV rms to 500 V rms	1
13.	Continuity tester	Battery powered with LED	1
14.	Plastic spanner for opening housing (3 In 1 Spanner Wrench Key in Food Grade Plastic Material	½ inch nipple, prefilter and membrane	1
15.	Steel rule	30 cm inch and metric	1
16.	Double Spanner Wrench Key	300A/ 60A	1
17.	Drill machine	Drill cum hammer, 450 Watt, 10mm, 0-2600 rpm	1
(ii) LIST OF EQUIPMENT			
18.	A range of Domestic	Filters type: MF,UV,UF and RO water	1 or more model containing each

	Water Purifier	purifier Capacity range:10 LPH to 30 LPH	type of filters
19.	Commercial Water Purifier *	Capacity range of 100 LPH to 500 LPH	1 or more of the given capacity range
20.	TDS meter	Range: 0 - 999 ppm (mg/L) Resolution: 1 ppm (0-999 ppm) Accuracy: +/- 3%	2
21.	pH meter Digital	Ph Range : 0 to 14.00 pH Resolution: 0.1 pH Accuracy: +/- 0.1 pH, +/- 0.2 pH Operating Temperature: 8-50°C	1
22.	Electrolizer	Alkaline dry cell, Operating voltage 11.5 V, Operating current 109 A, Power consumption 1250 W	1
23.	Water Hardness testing kit	Total hardness test kit Total no. of test -100 or more	1
24.	Fire Safety Equipment		2
25.	First Aid Box		1
(iii) LIST OF CONSUMABLES			
26.	Teflon Tape	¼ inch small spool	As required
27.	Electrical insulating tape	10 mm	2
28.	Nut washers screws plastic ties (Sundries)	2-10 mm	Lump sum 1 kg assorted

*AVI not having its own commercial water purifier unit should coordinate with nearby commercial water purification unit (of capacity above 100 LPH)and take a undertaking from them for training the learners.

E. Classroom and Lab Area Specifications:

Minimum batch size	Minimum Lab size(in Square Feet for batch of 25 students)	Minimum Classroom size(in Square Feet for batch of 25 students)	Remarks
08	300	300	• Class room for 25 students should have proper ventilation and illumination • Black/white board(4'x3') -02 • Fire extinguisher- 02 • ceiling fans- 04 • overhead projector - 01 • screen-01

Note:

- Maximum 25 students in one batch.
- An institution can run maximum 4 batches for this course.