

Annexure –VI

Laboratory and testing equipment: The separate laboratory space/room would not be mandatory for accreditation of warehouses and if the minimum laboratory equipment as per the list given below are available in the warehouse, these may suffice for accreditation purposes:

Sl. No	Name of the Equipment	Minimum number required
(A)	FIXTURES/FURNITURE IN PHYSICAL ANALYSIS LABORATORY*.	
(B)	EQUIPMENT	
1.	Physical balance	1
2.	Moisture meter calibrated for all the commodities to be stored/handled	1
3.	Sieve Set	1
4.	Enamel plates with clean white surface	2
5.	Sample bags-polythene and cloth	As per requirement
6.	Parkhi (Bag trier)	2
7.	Sample bags	As per requirement
8.	Sample seal	1
9.	Magnifying glass	1
(C)	DISINFECTION	
1.	Rat cages	As per requirement
2.	Foot sprayer	2
3.	Sand snakes	As per requirement
4.	Hand gloves (pairs)	As per requirement
(D)	OTHER ITEMS / EQUIPMENT	
1.	Tarpaulin	2
2.	Ladder	1
3.	First Aid box	1
4.	Fire extinguishers	As prescribed
5.	Fire buckets	As prescribed
6.	Platform Scales	As per need
(E)	SAFETY EQUIPMENT	
1.	Gum boots, goggles, aprons etc.	As per need
(F)	DUNNAGE MATERIALS	
1.	Polythene film#	As per need
2.	Bamboo mats / patera mats#	As per need
3.	Wooden crates/poly crates #	As per need
(G)	Fumigation covers	
1.	Thermoplastic fumigation covers (IS No. 13217:1991) or	As per requirement
2.	Multilayered cross laminated sheets and tarpaulins/covers (IS 14611:1998)	As per requirement

The Authority has also taken a conscious decision to delete the following list of equipment prescribed in the WDRA Manual :-

Sl. No	Name of the Equipment	Minimum number required
(A)	FIXTURES/FURNITURE IN PHYSICAL ANALYSIS LABORATORY*.	
1.	Analysis table (with drawers)	2
2.	Balance table (with drawers)	2
3.	Almirah (for keeping of samples)	2
4.	Glass slabs / polished stone e.g. granite slabs	2
5.	Laboratory rack (Size 3'X 6' with 6 slabs), 4 Stools, 5 Chairs and Balance table	As per requirement
(B)	EQUIPMENT	
1.	Sample tags	100
2.	Sealing wax	1 Packet
3.	Calculator	1
4.	Hygrometer	1
5.	Max. Min. Thermometer	1

6.	Petri dishes	12
7.	Measuring cylinders: 10 ml, 20 ml, 50 ml, 100 ml	3 each
8.	Slotted tube bag trier, stainless steel	1
9.	Borner sample divider (brass or stainless steel)	1
10.	Aluminum Phosphide applicator	1
11.	Measuring tape	1
12.	Verniercalipers	2
(C)	DISINFECTION	
1.	Power sprayer	As per requirement
2.	Air Gun / Bird Scarer	2
(D)	OTHER ITEMS / EQUIPMENT	
1.	Sample Sieves (for screening)	2
2.	Platform Scales 300 kgs, 500kgs, 1000kgs, 3000 kgs	
(E)	SAFETY EQUIPMENT	
1.	Phosphine gas detection strips	
2.	Dragger type multi gas detector tubes	
3.	Phosphine alert personal monitor	
4.	Fire extinguisher (chemical type)#	
5.	Specimen tubes	24
(F)	GAS MASK & CANISTER	
1.	Gash mask (face piece, breathing tube, canister)	2 each
2.	Canister	2
3.	Halide detector	1

D. Fire fighting equipment such as fire buckets and extinguishers: The requirement of fire buckets and fire extinguishers as mentioned above should be strictly adhered to. However, if the warehouse is equipped with some modern fire fighting system such as fire hydrant system, smoke detectors and automatic water sprinkler system and fire alarms, sufficient to meet any fire exigencies, then the fire buckets and fire extinguishers as mentioned in the warehouse manual may not be insisted upon after verifying such system in working condition.