

List of Equipment, Tool & Tackles for Environmental Studies
EEC Global Pvt. Ltd. Pakistan

Sr. no	Equipment	Model	Used for Process	Specifications (Range)
1	Spectrophotometer	HACH (DR-2800)	200 Parameters of water & wastewater	(340 -900 nm) + Printer attachment option
2	COD Digester	HACH (DRB 200)	COD, TOC, TN + others	(0° C - 200° C) + Printer attachment option
3	Digital Balance	SHIMADZU (AY 120)	Weighing Different Chemicals	(0.0001 g - 100 g) + Printer attachment option
4	Digital heating & Magnetic stirrer	VELP (ARE)	Continuous Heating & Stirring at a time	(0°C - 370°C) + (0 - 500 rpm)
5	Peristaltic Pump	VELP (SP-311)	Continuous flow & Pressure maintenance	(20 - 240 ml/min)
6	Vacuum pump & filtration assembly	LABBER (B1820 V-B2)	Filtration under Vacuum	(620 mm Hg, HP 1/8, 60W)
7	Hot & Cold Digital Incubator	SANYO (MIR-153)	(BOD + all tests at constant temperature)	(-10°C - 50 °C, 126 liter)
8	Digital portable pH meter	HACH (Sension 1)	Onsite & Laboratory pH measurement	(1 - 14) +Printer attachment option
9	Digital Portable TDS + Salinity +Conductivity meter	HACH (Sension 5)	Onsite & Laboratory measurement	(0 - 50,000 mg/l, 0 - 199.9 ms/cm) +Printer attachment
10	Digital Poratble DO meter	HACH (Sension 6)	Onsite & Laboratory measurement	(0 - 20 mg/l)+ Printer attachment
11	Digital Portable TSS meter	HACH (TSS Portable)	Onsite & Laboratory measurement	Calibration Curve of different range Available
12	Digital Oven	MEMMERT (inp-500)	Heating of Solutions & Chemicals at fixed temperature	(0°C - 220°C)
13	Muffle Furnace	NEYTECH (JFF 2000)	Volatle Solids measurement	(0°C - 1100°C)



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14	Digital Shaker	ROTAMAX (120)	Continuous Shaking & Mixing	(20 - 300 rpm)
15	Refrigertaor	Dawlance	Sample Preservation	13 ft ³
16	Digital Camera	NIKON (Coolpix)	Coverage of work going on	10 Megapixels
17	Mixer + grinder	NATIONAL	Grinding Solids & Mixing Liquids	4 Speeds + mill attachment
18	Distillation Assembly	WATER STILL (IM-50)	Making Distilled Water	4 liters/hr
19	Digital Autoclave	HIRAYAMA (HVE-50)	Microbial Analysis of Water & wastewater	(105°C - 135° C, 50 liter) +Printer attachment
20	Airpumps & Digital Heater	AQUA (A-150)	Treatability studies for biological treatment	(Variable speed & Temperature control)
21	Activated Carbon Column	Self made	Treatability studies for Physicochemical treatment	
22	Digital Vernier callipers	Imported	Different Accurate measurements	(0 - 150mm)
23	Smart Portable Drill machine	Imported	Treatability Studies Column preparations	(with Drill set)
24	Air Conditioner	National	Maintaining laboratory temperature	1 ton
25	Cars Suzuki Cultus 1000 CC	Suzuki	Site Visits within Islamabad	2 Number
26	Car Honda City	Honda	Site Visits within Islamabad	1 Number

