**LIST OF DIFFERENT ITEMS REQUIRED FOR UP-GARADATION OF EPA ROS–LABORATORY**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Description** | **Number** |
|  | Vacuum Pump | 01 |
|  | Ice Box (plastic body) large size | 04 |
|  | Ice Box (plastic body) medium size | 04 |
|  | Water Cooler (40 litre) | 02 |
|  | Water Cooler (30 litre) | 02 |
|  | Water sampler | 02 |
|  | Fire Extinguishers | 03 |
|  | Emergency shower/eye shower | 05 |
|  | Heat Resistant Hand Gloves | 05 |
|  | Surgical hand gloves | 10 |
|  | Disposable hand gloves | 30 |
|  | Ear plugs | 10 |
|  | Chemical resistant mask | 20 |
|  | Disposable masks | 30 |
|  | Helmets and safety belts | 10 |
|  | First Aid Box with complete medical kit | 10 |
|  | Safety goggles | 10 |
|  | Plastic sheet transparent (size 12 ft x 6 ft) | 10 |
|  | Solution tape (transparent) 2” | 04 |
|  | Solution tape (transparent) 3” | 04 |
|  | Conical Flask from 10ml to 30ml | 10 |
|  | Pippets Suckers | 05 |
|  | China Dish | 10 |
|  | Pippets | 05 |
|  | Digital Pippets to measure lower range of concentration | 05 |
|  | Measuring Cylinder 10ml to 50ml measuring range | 05 |
|  | Whattman filter paper 40 | 05 box |
|  | Test Tubes 10ml to 30ml | 30 |
|  | Separating Flask 10ml to 50ml measuring range | 05 |
|  | Funnels | 10 |
|  | **LIST OF INSTRUMENTS/CHEMICALS REQUIERD FOR UP GRADATION OF LAB AT EPA (ROS)** |  |
|  | Conductivity meter | 02 |
|  | Ion selective electrode | 02 |
|  | pH meter | 02 |
|  | Test kits for Chemical Oxygen Demand (COD) lower and upper range both |  |
|  | Thermometer / temperature measuring devices | 05 |
|  | Incubator (minimum range 15-50 C) | 01 |
|  | Refrigerator for chemicals | 01 |
|  | Noise meter | 02 |
|  | LANCOM–III Stack Gas Analyzer  (calibration and maintenance) |  |
|  | Test kits for An-ion Detergents, Chloride, Sulphide, Sulphate, Ammonia. | 100 each |

|  |  |  |
| --- | --- | --- |
|  | **LIST OF INSTRUMENTS/CHEMICALS REQUIERD FOR UP GRADATION OF MICROBIOLOGICAL LAB AT EPA (ROS)** |  |
|  | Auto clave | 01 |
|  | Incubator Range 5-70˚C | 01 |
|  | Vaccum pump | 01 |
|  | Filtration Assembly | 01 |
|  | Conical flask | 20 |
|  | Micropippets (o to 1ml, 1 to 5ml , 1 to 10ml ) | 05 |
|  | Colony counter | 01 |
|  | Glass Petrie dishes | 30 |
|  | Wire loop | 01 |
|  | Micropippets tips for measuring | 05 boxes |
|  | Pipetts (1,5,10,20 ,25 and 50ml) | 10 |
|  | M. Endo borth medium | 01 kg |
|  | Brilliant green bile broth | 0.5 kg |
|  | Total colifom layril tryptose broth | 0.5 kg |
|  | Mac konkey Agar | 01 kg |
|  | Test tube (Large and small) | 20 |
|  | Chlorine DPD Sachet | 50 |
|  | Nutrient Agar | 01 kg |
|  | M- TG E Nutirent broth | 0.5 kg |
|  | Inoculating loop (Disposal) | 04 |
|  | Alluminum foile | 05 rolls |
|  | Cotton bags | 05 |
|  | Oven | 01 |