

**Category A** | High Load Lab with LPA, LC and Solid (so more equipment of each category)  
**Category B** | Average work load Lab with LPA, LC and Solid  
**Category C** | low work load Lab with LPA and Solid

| SI.No. | Item Description   |  | Vendor   | Model                      | Category A        | Category B        | Category C        |
|--------|--|--|--|----------------------------|-------------------|-------------------|-------------------|
|        |  |  |  |                            | Equipment per lab | Equipment per lab | Equipment per lab |
| 1      | Thermocycler, 96 positions for 0.2 ml tubes                      |  | Applied Biosystem/ Eppendorf                     | 2720/ 22331 personal       | 1-2               | 1                 | 1                 |
| 2      | Microliter Centrifuge  |  | Hettich/ Eppendorf/<br>ThermoScientific          | Miko 200/5415R             | 1-3               | 1-2               | 2                 |
| 3      | Flexible thermometer for thermocycler and Twincubator validation |  | GREISINGER Electronic                            | GTH 1170                   | 1-4               | 1-2               | 2                 |
| 4      | Ultrasonic Bath  |  | Elma   | S-30 Elmasonic             |                   |                   |                   |
| 5      | 1-channel pipette  | variable from 1 - 10 ul                      | Gilson/Hain/ Eppendorf                           | Pipetman                   | 4-5               | 4-5               | 4-5               |
|        |  | variable from 20 -200 ul                     | Gilson/Hain/ Eppendorf                           | Pipetman                   | 4-5               | 4-5               | 4-5               |
|        |  | variable from 100 - 1000 ul -<br>Gilson/Hain | Gilson/Hain/ Eppendorf                           | Pipetman                   | 4-5               | 4-5               | 4-5               |
|        |  | variable from 20 -200 ul -<br>Generic        | Gilson/Hain/ Eppendorf                           | Pipetman                   | 4-5               | 4-5               | 4-5               |
|        |  | variable from 100 - 1000 µl -<br>Generic     | Gilson/Hain/ Eppendorf                           | Pipetman                   | 4-5               | 4-5               | 4-5               |
| 6      | Laminar Flow   |  | Bakers   | EDGGARD/EG                 | 1-2               | 1-2               | 1-2               |
| 7      | Analytical Balance/Precision Balance/ Weighing Balance           |  | SHIMADZU/ CITIZEN/<br>SARTORIOUS/KERE/<br>WENSAR | EC-TYPE -<br>T7037/PGB 200 | 1-2               | 1-2               | 1-2               |
| 8      | Bench top pH meter/pH meter                                      |  | HANNA  | HI2211-02                  | 1-5               | 1-4               | 1-4               |
| 9      | Water bath   |  | MEMMERT/YORCO                                    | YSI-413                    | 1-2               | 1-2               | 1-2               |
| 10     | Magnetic stirrer with heating plate                              |  | Tarsons  |                            | 1-2               | 1-2               | 1-2               |
| 11     | Densitometer   |  | Biosan LTD                                       | DEN-1B                     | 1                 | 1                 | 1                 |
| 12     | Refrigerated bench top centrifuge                                |  | Hettich/ Eppendorf/<br>ThermoScientific          | Rotina 380R                | 1-3               | 1-3               | 1-3               |
| 13     | Universal oven   |  | MEMMERT  | UNB 200                    | 1                 | 1                 | 1                 |
| 14     | Inspissator  |  | Grant/ Yorco/Indian Make                         | GD100IN/YSI 524            | 1-2               | 1-2               | 1-2               |
| 15     | Biosafety Cabinet(Class II B1)/Class II A                        |  | Bakers/<br>Nuair/Stericlean/Indian/Yorco         | DM-190                     | 3-4               | 2-3               | 2                 |
| 16     | Validation of BSC  |  |  |                            | 3-4               | 2-3               | 2                 |
| 17     | Non Refrigerated Centrifuge                                      |  | Hettich/ Eppendorf/<br>ThermoScientific          | Rotina 380                 | 2                 | 2                 | 2                 |
| 18     | Incubator( 37°C, 42°C,BOD), Cooling incubator                    |  | Yorco/ INCUCCELL –<br>404/FRIOCELL - 222         | LSIS-B2V                   | 2-3               | 2-3               | 2-3               |
| 19     | Shaker/ Incubator Shaker   |  | Yorco  | 222                        | 1                 | 1                 | 1                 |
| 20     | Bottle Washing Machine   |  | Yorco  | -                          | 1                 | 1                 | 1                 |

|    |   |            |                              |                    |        |        |        |
|----|---|------------|------------------------------|--------------------|--------|--------|--------|
| 21 | Hot air oven  |            | Yorco/VENTICELL - 222        | YSI-421D           | 1-2    | 1-2    | 1-2    |
| 22 | Distilled Water Plant   |            | Yorco/GFL                    | Type 2004          | 1-2    | 1-2    | 1-2    |
| 23 | Laboratory Freezer(-20C)  |            | Liebehrr                     | Premium            | 1-3    | 1-3    | 1-3    |
| 24 | Deep Freezer(-86°C)   |            | SANYO/Yorco                  | YSI-273-DW-HI      | 1-2    | 1-2    | 1-2    |
| 25 | Auoclave  | Horizontal | Yorco/ Indian/Steri          | YSU-405            | 1-2    | 1-2    | 1-2    |
|    |   | Vertical   | Yorco/ Indian/TOMY           | YSI-402/ESI 135    | 1-2    | 1-2    | 1-2    |
| 26 | Flourescent Microscope  |            | Karl Zeiss/ Radical/ Olympus | iPrimo Star/CH20i/ | 1-4    | 1-2    | 1-2    |
| 27 | Floor standing refrigerator 150L(2-8C)  |            | VAUST                        | FkV 160            | 1-3    | 1-3    | 1-3    |
| 28 | Refrigerator(4-8°C)   |            | LG/SAMSUNG/ WHIRLPOOL        |                    | 1-2    | 1-2    | 1-2    |
| 29 | AHU Unit(Twin Supply and Exhaust)<br>{Motor(Supply + Exhaust+ Emergency exhaust)},<br>AHU( Blower(Supply + Exhaust+Emergency<br>exhausts),Pre Filters: G4; F7;F9, Condensing<br>Unit, AHU Control Panel with BMS(Software and<br>LED indicator based) |            |                              |                    | 1 unit | 1 unit | 1 unit |
| 30 | HEPA Filter   |            |                              |                    | 2-3    | 2-3    | 2-3    |
| 31 | Validation of BSL 3 Lab   |            |                              |                    | 24     | 9      | 4      |