



### 6.3.3 Free Drinking Water Provision

KITS is committed to provide safe, accessible, and sustainable drinking water for the health and well-being of students, faculty, and staff. The campus comprises of 17 departments, accommodating a total of 7625 students and 661 faculty and staff members. It's a fully residential campus with 15 hostels for both girls and boys, along with 17 apartment complexes (quarters) that house approximately 500 faculty and staff. Additionally, the School of Agriculture and Biosciences utilizes a vast expanse of 329 acres of agricultural land for their academic pursuits, research endeavours, and community development initiatives.

- **Water Sources:** KITS has provided 86 water purifiers/ dispensers/coolers in all floors in the academic blocks and hostels. Two RO plants have been installed for cooking and drinking.
- **Water Quality Testing:** Testing of the water quality is done to ensure that drinking water quality standards are met for safe drinking.
- **Maintenance and Cleaning:** KITS ensures that all drinking water sources are well-maintained and regularly cleaned to prevent the growth of bacteria and mold.



### **A. Water Purifiers for Drinking in the University Campus:**

For drinking purposes, purified water is supplied through water purifiers & RO Plant for which Annual Maintenance Contract (AMC) has been made with an authorized vendor for regular servicing. TDS value and filters are checked on a routine basis to monitor the quality of water as per the IS\_10500 and revised module IS 10500:2012 - Drinking Water Quality Monitoring Protocol and for regular maintenance of the plant.

In KITS, 86 water purifiers have been placed in all the departments (as given in Table below) for drinking purpose by faculty, staff, and students at the University.



Water Purifiers/ Dispenser / Cooler – For Drinking



R.O Treated Water – For drinking and cooking





| S.No | Location                                  | Floor        | Qty |
|------|---|--------------|-----|
| 1    | Science and Humanities Block              | Ground Floor | 3   |
| 2    | Electrical and Electronics Engineering    | Ground Floor | 2   |
| 3    |   | First Floor  | 2   |
| 4    |   | Second Floor | 2   |
| 5    |   | Third Floor  | 2   |
| 6    | Science and Humanities Block              | First Floor  | 3   |
| 7    | Science and Humanities Block              | Second Floor | 3   |
| 8    | Science and Humanities Block              | Third Floor  | 3   |
| 9    | Karunya Media Centre                      | Ground Floor | 3   |
| 10   | Karunya Media Centre                      | Second Floor | 1   |
| 11   | Department of Aerospace Engineering       | Ground Floor | 1   |
| 12   |   | First Floor  | 1   |
| 13   |   | Second Floor | 1   |
| 14   | Department of Aerospace Engineering (Lab) | Ground Floor | 2   |
| 15   | Registrar's Office                        | Ground Floor | 1   |
| 16   | Admission Office                          | Ground Floor | 1   |
| 17   | Student Affairs Office                    | Ground Floor | 1   |
| 18   | Vice Chancellor's Office                  | First Floor  | 1   |
| 19   | Controller of Examinations Office         | First Floor  | 1   |
| 20   | Trustee Office                            | Second Floor | 1   |
| 21   | Department of Management                  | Second Floor | 1   |
| 22   | Department of Mechanical Engineering      | Ground Floor | 1   |
| 23   | Department of Mechanical Engineering      | First Floor  | 1   |
| 24   | Department of Mechanical Engineering      | Second Floor | 1   |
| 25   | Mechanical Lab                            | Ground Floor | 1   |
| 26   | Mechanical Workshop                       | Ground Floor | 3   |
| 27   | Computer Technology Centre - II           | Ground Floor | 1   |
| 28   |   | First Floor  | 1   |
| 29   |   | Second Floor | 1   |
| 30   | Elshaadi Auditorium                       | Ground Floor | 4   |
| 31   | Elohim Auditorium                         | Ground Floor | 2   |
| 32   | Emmanuel Auditorium                       | Ground Floor | 4   |
| 33   | Food Court                                | Ground Floor | 3   |
| 34   | Computer Science and Technology           | Ground Floor | 1   |
| 35   |   | First Floor  | 1   |
| 36   |   | Second Floor | 1   |
| 37   |   | Third Floor  | 1   |
| 38   | Department of Civil Engineering           | Ground Floor | 1   |



|              |  |              |           |
|--------------|--|--------------|-----------|
| 39           |  | First Floor  | 1         |
| 40           |  | Second Floor | 1         |
| 41           | Computer Technology Centre - I                             | Ground Floor | 1         |
| 42           |  | Third Floor  | 1         |
| 43           |  | Fourth Floor | 1         |
| 44           | Library  | Ground Floor | 1         |
| 45           | Department of Electronics and<br>Communication Engineering | Ground Floor | 2         |
| 46           |  | First Floor  | 2         |
| 47           |  | Second Floor | 2         |
| 48           |  | Third Floor  | 2         |
| 49           | Biotechnology Block  | Ground Floor | 2         |
| 50           |  | First Floor  | 2         |
| 51           |  | Second Floor | 2         |
| 52           |  | Third Floor  | 2         |
| <b>Total</b> |  |              | <b>86</b> |

### B. R.O Treated Water for Drinking and Cooking

- The RO Plant with a capacity of 2000 LPH (Litres per Hour) has been installed in the Mess. In order to conserve drinking water, the cooking activities in the mess are carried out using RO treated groundwater, which amounts to 1400 KL/year or 1212 m<sup>3</sup> / year .
- Similarly, Sinai/Tabor Staff Quarters has a 500 LPH (Litres per Hour) RO Plant. The treated water from this RO Plant is exclusively used for drinking purposes, amounting to 473000 L/year or 473 m<sup>3</sup> / year.



SABS Dean Office Corridor



SABS Dean Office Corridor



Department of Nano Technology



Department of Food Processing



Department of ECE block



Department of S&H block





Department of ECE block



Department of PRGR hostel



Department of Chemistry



Department of Ladies dining



Department of SBR hostel



Men's dining



Ladies Hostel



DGS auditorium