

**4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities- laboratory, library, sport complex, computers, classrooms etc. (10)**

#### **Infrastructure Facility and Its Maintenance Description**

KITS Ramtek is sprawled in an area of 48.96 acres of land where the total built up area is 42625 square meter. The Institute has 6 huge buildings comprising of 41 class rooms, 10 tutorial rooms, 4 Seminar halls, 6 Drawing rooms, and 2 workshops.

Maintenance of these are done by the in-house project office department. We have a Project officer who supervises the project office staff and the maintenance of the Institution. In addition to the project office, there is housekeeping in charge in each department.

#### **Maintenance of Class Rooms, Tutorial Rooms, and Seminar Halls**

The total carpet area of the buildings available for these rooms are 6081.49 square meter. One faculty from each department is assigned the duty of housekeeping. The house in charge works in coordination with project office for the maintenance of each room. Regular maintenance is taken care of by the project office. The equipment and the furniture (Electrical, Carpenter, AC work) are repaired/maintained by the skilled workers from the project office section once in every three month.

#### **Maintenance of Laboratories and its Equipments**

The Institute has 49 laboratories, 15 computer laboratories and 1 Central computer Unit. The total carpet area available for the laboratory is 6111.95 square meter. Each laboratory has a faculty in charge and a laboratory assistant. They maintain the log book for equipments and are also involved in preparing the budget for the required consumables, new equipments and repairs. For major problems with equipment we call technician from respective companies. Saturday is designated as the maintenance day in a week and the laboratory mechanic does the maintenance work and records it in the maintenance diary and gets it verified by the respective Head of the department.

#### **Maintenance of Computers, Internet and wi-fi**

There are total 619 computers, 20 LCD projectors, 54 Printers (1 color printer), 4 photocopying machines and 12 Scanner machines in the Institute. 517 softwares with 48 licensee software's are also available in the Institute.

Supporting staff of each computer laboratory (DEO / Programmer and faculty incharge) are responsible for maintenance of total 619 computers and software's.

There are 559 computers with internet facility, 2 Wi-Fi devices excess point, and 13 wi-fi router in the Institute. The Institute caters the Internet via 100 MBPS learned line through BSNL service provider.

The internet, Wi-Fi systems is maintained by a team of supporting technical staff (DEO / Programmer, faculty in charge) under the supervision of Associate Dean (ICT). They maintain the smooth functioning of internet usage. DEO/Programmer carryout maintenance of each computer at regular intervals and record in the maintenance record book weekly.



### **Central Library and Maintenance**

Our Institute Library has been established since the inception of the Institute in 1985. Separate building<sup>3</sup> for the central library was constructed in year 1994. It has been named as P. V. Narsimha Rao Central Library and is one of the biggest library in the Nagpur University.

The central library building has two floors with two reading halls and one seminar room. The total built-up area of the library is 1620 square meters. The library is well equipped with more than 63,000 books, 476 national and international journals, magazines, newsletters and newspapers.

The register is maintained in library every day for the entry and exit of the students and the faculty as well. All the books are accessioned accordingly by the serial number of accession number and classified subject wise and shelved in the rack according to numbers regularly. Dusting, mopping and cleaning is done by sweeper every day. Electrical and other furniture are maintained by the skilled person from the project office.

### **Departmental Library**

Every department has departmental library. The library is utilized by the students and faculty member of the department. Students visit the library in their free time where they read the books, journals, previous reports of project, summer training and industrial case studies. Even faculty members can borrow books from this library. Faculty from the respective departments donate text as well as reference books which they receive as specimen copies from the publishers. This library is maintained by the faculty in charge of the respective department. Separate register is available for the issue and return of books.

### **Sport complex**

A full-fledged Sports campus is developed in the premises of the Institution during 1987-1988. Play ground of total area of 29000 square meter for boys and 10000 square meter for girls students have been made. The Institute has a Indoor Complex of size 1392 square. meter which is established during 1995-1996. The total grant received in 1995 was Rs. 37,50,000/- for the construction of Indoor Complex. Another grant of Rs.3,00,000/- was received for sports equipment in year 1999 and Rs. 4,28,000/-for play ground (Basket ball court, cricket pitch, volleyball court,) development in year 2005 from the Union Ministry of Youth Affairs and Sports, New Delhi, Government of India. The Sport complex is maintained by the team of physical director's office which comprises of 3 skilled people under the supervision of physical director officer.

### **Gymnasium**

The Gymnasium was constructed in the indoor sport complex in 1995-1996. This room is constructed in a carpet area of 20 square meter in Auditorium building. Total cost of fitness equipment purchased for gymnasium is Rs. 2,28,000/-. The Register is available in the gymnasium room for the entry of both boy and girl students. The faulty members use the



gymnasium both in morning and evening time also. The gymnasium room is maintained by a skilled person under the supervision of physical director officer

### **Garden**

The Institute has lush green lawn and is surrounded with trees and gardens spread in an area of total 19096 square meter. One in charge, 2 gardeners and 16 skilled workers work daily for the maintenance of all lawns and gardens. The gardens are regularly maintained by sprinkler water system and manure and pesticides are sprayed regularly for maintenance. The entire team is working under the supervision of Project officer.

### **Power & Electricity Maintenance**

The Institute receives the power and electricity from Ramtek power station. The Institute has a demand of 353 KVA with 2 transformers. Two power rooms with 2 generators were available in the campus and this power and electricity section is maintained by the 4 electricians round the clock. This team works as per the complaint entered in the complaint register available in the power room.

### **Water Supply**

The Institute receives General water (other than drinking) from 8 bore wells constructed in the campus and Grampanchayat water source (100000 lit./day). For drinking purpose, a RO plant has been established in the carpet area of 20 square meter having a capacity of 700 lit/hour. This potable water is dissipated to the hostels and college students. The waste water from RO plant (for one liter water = 600ml waste) is being used for maintaining lawns & gardens. The water scheme is maintained by the 4 skilled water men under the supervision of project officer.

### **Hostel**

The Institute has 2 girl hostels building and 2 boy's hostels building. The total carpet area available for boy's hostel is 6359 square meter and for girls 4387 square meter. Separate Ladies faculty Warden is available for girls students and Gents faculty warden for boys students are available who take care of hostellers regularly for their permission to go outside and also in case of medical urgency.

Electrical and other furniture is maintained regularly by skilled person of project office section.

### **Medical**

Dispensary facility for students & staff is available in the auditorium building. The available carpet area of the department is 25 square meter. The Doctor visits the campus thrice in a week and in emergency on call. The dusting mopping and cleaning is done by the sweeper every day under the supervision of Physical Director Officer.



### **Canteen**

Canteen is spread in a total carpet area of 244 square meter near Civil Engineering Department building where the proper hygienic food is served. The quality is maintained by an agency as per Contract. The maintenance of the canteen is done by external agency.

### **Departmental Stores (Girls Hostel)**

The departmental store is constructed in a carpet area of 52 square meter. Daily needs items of the girl students are provided in this store. This is maintained by an external agency.

### **CCTV Camera**

The Institute is well equipped with 21 CCTV camera which one monitored by the Registrar in Central Library. The Principal office has 6 cameras which one monitored by Principal office. All these cameras are maintained by skilled person from Project office Section.

### **EPBS System**

The Institute has 8 telephone connections with 83 extensions and is maintained by skilled person under the supervision of Project officer.

### **Rainwater Harvesting Scheme**

The Rainwater harvesting scheme has been established in the Institute. The location of these selection are 1 in electronics building, 1 in administration building and 1 in Triveni hostel building. Water is stored in the recharge well constructed in the quadrangle of administration building and the bore well gets recharged. Total 8 bore wells are available in the campus.

Artificial Ponds are also made on backside of electronics building for storing the rainwater to improve the ground water level.

This is maintained by skilled persons from the project office section.

### **Mess Facility and its maintenance**

The Institute has 1 Air cooled mess for girl students covering a carpet area of 650 square meter. and 2 air cooled mess having carpet area 1017 square meter for the boys. A separate Boys T.V. Room of area 200 square meter is available above the mess. The dusting, mopping and cleaning of the mess is done by staff from project office section.

The mess runs on cooperative basis system and are monitored by senior warden under the supervision of chief warden. The wastage from the mess is given to the Nagar Parishad Ramtek which is used for the generation of electricity of Ramtek region.

  
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