



# Infrastructure and Learning Resources

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## Criteria IV

### Infrastructure and Learning Resources...

The adequacy and optimal use of the facilities available in an institution are essential to maintain the quality of academic and other programmes on the campus.

It also requires information on how every stakeholder gets benefited from these facilities.

How we ensure the optimal and rational utilization?

Policy procedures and implementation (RMC)

Expansion of facilities to meet future development is included among other concerns.

# Key Indicators and Waitages

Infrastructure and Learning Resources	Key Indicator	Q <sub>n</sub> M	Q <sub>1</sub> M	Marks UG/PG
	4.1 Physical Facilities	02	02	30
	4.2 Library as a Learning Resource	03	01	20
	4.3 IT Infrastructure	02	01	30
	4.4 Maintenance of Campus Infrastructure	01	01	20
Total		08	05	100

**Documentation: Metric dependent?**

## 4.1 Physical Facilities (30 Marks)

4.1.1 (Q<sub>1</sub>M) The institution has adequate facilities for teaching- learning classrooms, laboratories, computing equipment, etc. (5M)

**Answer:** (500 words)

- Overall general description of college infrastructure as per minimum specified requirement by statutory bodies....
- Optimal use.
- Academic support systems.
- Up gradation procedures
- Unique Infrastructure for some special program(if)
- ICT infrastructure in short
- Library Infrastructure in short
- Anything Other(Recreation, Canteen, medical center, restrooms etc)

Any additional information

1. Upload geotagged photographs of all such facilities which have mention. Indicative, bearing college logo/name, while being used by students. (operating conditions) PDF file < 5 MB.
2. Web portal link

## 4.1.2 (Q<sub>1</sub>M) The institution has adequate facilities for cultural activities. sports, games (indoor, outdoor) gymnasium, yoga centre etc. (5M)

**Answer:** 500 words

- Complete description of play ground nature, Size/area, Shape, facilities, specialties, utilization-commercial, festivals, NCC weekly parades, daily activities being conducted on play ground...
- Facilities for Indoor/Outdoor games with user rate.
- College campus for intercollegiate/university competition/games
- Gymnasium, equipment, utilities, time schedule, trainer details etc.
- Yoga/meditation centre.
- Building terraces may be used for some special purposes.
- Cultural activities and support equipment, recording, photography equipment.

Any additional information

1. Upload geotagged photographs of all such facilities which have mention. Indicative, bearing college logo/name, while being used by stakeholders. (In an operating conditions) PDF file < 5 MB.
2. Web portal link

### 4.1.3 (Q<sub>n</sub>M) Percentage of classrooms and seminar halls with ICT- Enabled facilities such as smart class, LMS, etc. (current year data)

(10M)

Number of classrooms and seminar halls with ICT facilities

Data Requirements: (As per Data Template in Section B)

**File Description** Upload any additional information (LMS details, Geotagged Photographs of seminar halls/Class rooms clearly showing ICT facilities, Purchase receipt/contracts/ outsourcing details, LAN, Wi-Fi facility Photographs. PDF <5MB)

Paste link for additional information

(Website link showing ICT facility infra if it has more details)

Upload Number of classrooms and seminar halls with ICT enabled facilities 4.1.3.(Data Template)

Note: In profile already we have mentioned number of classrooms....

## LOCK Down tools.....



While the exact nature of the LMS may vary, depending on Institutes requirements, successful LMS of today invariably facilitates seamless integration of the physical and virtual classrooms, promotes social learning, and fills in critical gaps in learning.

The best LMS are scalable, portable, promotes gamification, and makes managing talent seamless across the institute.



**4.1.4 (QnM)\*\* Average percentage of expenditure ,  
excluding salary for infrastructure augmentation during the last five  
years. (In lakh R) (10M)**

**Answer: ----- Lakhs.**

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary  
year wise during the last five years (INR in Lakhs)

**Data template**

File Description
Any additional information <i>Here we can upload Plan, sanction letters, structural images of augmented infrastructure in PDF format &lt; 5MB.</i>
Details of budget allocation, excluding salary during the last five years <i>Here we can upload PDF images of college budget clearly Indicating budget heads for infrastructure augmentation.</i>
Audited utilization statements <i>Audited Utilization statements of corresponding years. PDF&lt;2 MB.</i>



## 4.2.1 (Q<sub>1</sub>M) Library is automated using Integrated Library Management System (ILMS)

Data Requirement for last five years: Upload a description of library. (4M)

**Answer: 500 words**

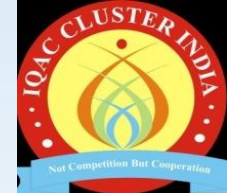
- ILMS, Changes, updates, up gradation, Version, report generation ability (accession, bar-coding, stack distribution facility, inbuilt features).  
If any other extra duties/work  
Library portal, must have viewer counter.
- Free software/ open source (OPAC)

### File Description:

- Upload any additional information (Purchase/ license/validity/ terms and conditions agreements and other details in PDF < 5 MB).
- Paste link for Additional Information (Library portal link address if it is there or you can directly paste link of library page on college website)

## 4.2.2 (QnM) The Institution has subscription of the following e-resources?

(6M)



1. e-journals
2. e-ShodhSindhu
3. Sodhganga membersip
4. e-books
5. Databases
6. Remote access to e-resources

### Options:

- A. Any 4 of the above
- B. Any 3 of the above
- C. Any 2 of the above
- D. Any 1 of the above
- E. None of the above

**Opt One**

Data Requirement for last five years: (As per Data Template in Section B)

Details of membership:

Details of subscription:

**File Description:**

Upload any additional information 4.2.2 (Data template)

## 4.2.3 (QnM)<sup>\*\*\*</sup> Average annual expenditure for purchase of books/ e-books and subscription of journals/e-journals during the last five years (INR in Lakhs) (5M)

### 4.2.3.1 Annual expenditure of purchase of books and journals year wise during last five years (INR in Lakhs)

Data Requirement for last five years: (As per Data Template in Section B)

- Expenditure on the purchase of books
- Expenditure on the purchase of journals in  $i^{\text{th}}$  year

Year of Expenditure:

#### File Description (Upload)

- Any additional information

(Orders, Purchase receipts, Bills etc. PDF images of at least last year should be uploaded)

- Audited statements of accounts

(Audited statement clearly indicating the amount sanctioned and expenditure)

#### 4.2.4 (QnM)<sup>\*\*\*</sup>

**Percentage per day usage of library by teachers and students (Foot fall and login data for online access)**

**(Data for latest completed academic year)**

**(5M)**

4.2.6.1. Number of teachers and students using library per day over last one year

Data Requirement (As per Data Template Section B)

- Upload last page of accession register details
- Method of computing per day usage of library
- Number of users using library through e-access
- Number of physical users accessing library

#### **File Description(Upload)**

- Any additional information

Here upload PDF images of entry register.

- Details of library usage by teachers and students 4.2.4. (Data Template )

### 4.3.1 (Q<sub>1</sub>M)\*

#### Institution frequently updates its IT facilities including Wi-Fi

Describe IT facilities including Wi-Fi with date and nature of updation in maximum of 500 words.

(5M)

**Answer:**

Year wise description of **licensed**# software, versions, up gradation, features, validity, maintenance details etc. (Technician's description)

The year wise status of hardware such as no of computers, their version details, specifications, switches, routers, cabling details, connection details etc.

LAN facility status details, Wi-Fi connectivity, Firewall, Internet facility such as speed, ISP, other specifications, antivirus etc.

College website creation, maintenance, updation process. College App?

Special mention is required for UPS/other source facility with all details.

The process followed for technology augmentation(Policy)

#### **File Description**

- Upload any additional information (Agreements, orders, bill receipts, system reports, user photographs, block diagrams etc.)

- Paste link for additional information

If any information related to this aspect is on website give its link.

### 4.3.2 (QnM)<sup>\*\*\*</sup> Student–Computer ratio.

**(Data for latest completed academic year)**

**(10M)**

Number of students : Number of Computers,

Data Requirements:

- Number of computers in working condition
- Total Number of students

#### **File Description**

Upload any additional information

- Upload photographs of computer labs while students performing practical.
- Student - computer ratio

Detailed list of computers in all departments

While computing this ratio consider batch size.4.3.2.

### 4.3.3. (QnM) Bandwidth of internet connection in the Institution.

(15 M)

Options:

- A.  $\geq 50$  MBPS
- B. 35-50 MBPS
- C. 20-35 MBPS                      Opt one
- D. 5-20 MBPS
- E.  $< 5$  MBPS

Data Requirement:

- Available internet bandwidth

#### File Description

- Upload any additional Information  
Agreements, orders, billing receipts indicating MBPS
- Details of available bandwidth of internet connection in the  
Institution  
List of ISP and technical details of leased lines. 4.3.3.



## 4.4 Maintenance of Campus Infrastructure\*\*\*

4.4.1 (QnM) Average Expenditure incurred on maintenance of infrastructure (Physical facilities and academic support facilities) excluding salary component, during the last five years. (10M)

**Answer:** ----- Lakhs

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in Lakhs) 4.4.1

**Physical facilities :** Building renovation, cleaning charges, electricity bills and charges for other utilities, property taxes etc

**Academic support:** Subscription charges for journals, internet charges, auditorium charges, paid learning softwares, services hired for academic purposes(outsourcing) etc.

Year					
Amount in Lakhs					

File Description
Any additional information <b>Photographs of maintenance work, receipts, contract agreements PDF &lt; 5MB.</b>
Details about assigned budget and expenditure on physical facilities and academic facilities <b>Data Template 4.4.1</b>
Audited statements of accounts. <b>Audited statements , RPs PDF &lt; 5MB</b> <b>Audit extracts</b>

**4.4.2 (Q<sub>1</sub>M)** There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (10M)

**Answer:**

A policy detail, procedures (open tendering etc. ), outsourcing agencies, methods of reimbursement the college follows is to be described here.

**File Description**

Any additional information

Here we can upload the Policy documents, work order letters, agreements, bills pay receipts, LMC/CDC reports excerpts in PDF < 2MB.

# DVV of Criterion 4

- **Standard Operating Procedure\_for Data Validation and Verification (Affiliated UG/PG)**

SSR

DVV

PTV

# Critical Aspects.....



Sr. No	Q <sub>1</sub> M/Q <sub>n</sub> M No	Particular	Marks Assigned
1.	4.1.3	Percentage of classrooms and seminar halls with ICT- enabled facilities.	10
2	4.1.4	Average expenditure, excluding salary for infrastructure augmentation.	10
3	4.2.3	E-resources	06
4	4.2.4	Percentage per day usage of library (Current year)	05
5	4.3.1	Institution frequently updates its IT facilities	05
6	4.3.2	Student-Computer ratio. (current year data)	10
7	4.3.3	Bandwidth	15
8	4.4.1	Average Expenditure incurred on maintenance	10
9	4.4.2	Established systems and procedures for maintenance	10

***Thank You !!!!***