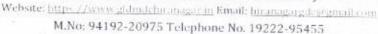


OFFICE OF THE PRINCIPAL GOVT. GIRDARI LAL DOGRA MEMORIAL DEGREE COLLEGE HIRANAGAR

(NAAC ACCREDITED WITH GRADE B+)





वर्षेपव कुटुस्वकरः ONE EARTH - ONE FAMILY - ONE FUTURE

Annual Procurement Plan 2023-2024

Objective:

This plan outlines the strategic procurement of resources for upgrading college infrastructure, academic departments, and administrative functions. It aims to enhance teaching, learning, research, and extracurricular activities, providing a holistic development platform for students and faculty. The execution of this plan is contingent upon fund availability and actual requirements raised by the departments and offices.

1. Physics Laboratory

Purpose: To modernize the lab with advanced tools for conducting theoretical and applied physics experiments.

Proposed Procurements and Upgrades:

Advanced Equipment: Digital oscilloscopes, spectrometers, signal generators, and laser equipment.

Experimental Apparatus: Optical benches, calorimeters, pendulums, and mechanics kits.

Consumables: Wires, resistors, diodes, capacitors, and other components required for circuit experiments.

Safety Enhancements: Fire extinguishers, circuit testers, and grounding systems.

Maintenance: Repair of existing equipment and calibration of sensitive instruments.

2. Chemistry Laboratory

Purpose: To enable precise chemical analysis and enhance safety protocols.

Proposed Procurements and Upgrades:

Laboratory Instruments: pH meters, spectrophotometers, gas chromatography units, and distillation setups.

Glassware and Consumables: Beakers, test tubes, pipettes, burettes, and reaction vessels.

Reagents and Chemicals: Acquisition of standard and rare chemicals for diverse experiments.

Safety Measures: Installation of fume hoods, eye-wash stations, and spill containment kits. Infrastructure Upgrade: Renovation of storage facilities and addition of chemical storage cabinets.

3. Botany Laboratory

Purpose: To support advanced research and practical studies in plant sciences.

Proposed Procurements and Upgrades:

Equipment: Compound microscopes, autoclaves, laminar airflow systems, and plant growth chambers.

Specimens and Models: Herbarium sheets, preserved plant samples, and detailed plant anatomy models.

Field Research Kits: Soil testing kits, pH meters, and portable sampling tools.

Digital Resources: Botanical image databases and software for plant identification and classification.

4. Zoology Laboratory

Purpose: To deepen the understanding of animal anatomy, physiology, and biodiversity.

Proposed Procurements and Upgrades:

Dissection Tools: Advanced kits for detailed animal studies.

Specimens: Live or preserved specimens and skeletal models for various species.

Microscopy Equipment: Digital microscopes with image capturing capabilities.

Preservation Tools: Cold storage systems and preservation chemicals for specimens.

Learning Aids: Posters, charts, and digital guides on animal taxonomy and evolution.

5. Computer Laboratory

Purpose: To strengthen digital literacy and provide hands-on training in computing and programming.

Proposed Procurements and Upgrades:

Hardware: High-performance desktops, laptops, and dedicated servers for projects.

Software: Licensed operating systems, programming tools, graphic design software, and cloud computing platforms.

Networking: Wi-Fi routers, switches, LAN cables, and network storage devices.

Power Backup: Uninterrupted Power Supplies (UPS) and backup generators for critical systems.

Furniture: Ergonomic chairs and workstations for students and staff.

6. College Library

Purpose: To expand access to knowledge resources and enhance library services.

Proposed Procurements and Upgrades:

Books and Journals: Academic textbooks, reference books, research journals, and periodicals.

Digital Resources: Subscriptions to e-books, online journals, and learning platforms like JSTOR and Springer.

Technology: Barcode scanners, RFID systems, and library management software.

Infrastructure: Comfortable seating, dedicated reading rooms, and improved lighting.

7. Music Laboratory

Purpose: To provide a creative space for students to explore and develop musical talent.

Proposed Procurements and Upgrades:

Instruments: Guitars, violins, pianos, drums, and traditional instruments.

Recording Equipment: Microphones, mixers, and software for sound recording and editing.

Soundproofing: Acoustic panels and noise isolation systems for practice rooms.

Maintenance: Repair and tuning of existing instruments.

8. College Infrastructure

Purpose: To enhance the overall learning environment and operational efficiency.

Proposed Procurements and Upgrades:

Classrooms: Installation of smart boards, projectors, and improved seating arrangements.

Faculty Rooms: Comfortable furniture, lockers, and sitting arrangement.

Energy Solutions: Solar panels, energy-efficient lighting, and eco-friendly waste disposal systems.

Washroom Facilities: Renovation of restrooms with modern fixtures and sanitation systems.

9. Sports Infrastructure

Purpose: To promote physical fitness and provide opportunities for sporting excellence.

Proposed Procurements and Upgrades:

Sports Equipment: Cricket kits, badminton rackets, basketballs, footballs, and table tennis sets.

Playgrounds and Courts: Resurfacing of tracks, courts, and fields.

Gymnasium: Procurement of treadmills, weights, and exercise machines.

Sports Facilities: Installation of scating arrangements and changing rooms near sports areas.

10. College Office Requirements

Purpose: To improve administrative efficiency and maintain smooth operations.

Proposed Procurements and Upgrades:

Office Equipment: Computers, printers, photocopiers, and document scanners.

Furniture: Ergonomic desks, chairs, and storage cabinets.

Automation Systems: Procurement of document management software and office productivity tools.

Stationery and Supplies: Regular stock of office essentials such as files, papers, and pens.

Implementation Plan:

- 1. Departmental Needs Assessment: Collection of detailed procurement lists from departments.
- 2. Budget Allocation: Prioritization of funds based on the criticality of requirements.
- 3. Vendor Selection: Transparent and competitive procurement process.
- 4. Project Monitoring: A committee will oversee timely execution and quality assurance.

Note: This is a tentative plan subject to modifications based on available funds and evolving needs.

Prepared by College Development Council in Consultation with Convener college purchase Committee