

Annual Procurement Plan of CSIR-CSIO for the FY 2020-21

Chemicals & Consumables

S. No.	Name of the Consumables
1.	Software Upgrade, Office Supplies
2.	Chemicals, Glassware, Software
3.	Metal Salts, Organic ligands, DNAzymes
4.	High –purity solvents and reagents
5.	Chemicals and related Glasswares, Plastic wares/Teflon lab accessories such as pipettes, reaction vessels, etc.
6.	Electronic accessories such as compact light sources, ICs, etc
7.	Seismic Sensors
8.	Electronic Hardware, Solar Panels, Batteries, Data logger, Communication modules, camera modules, Software, Cables, Connectors, Chassis
9.	Metal Powder, gases chemicals, software's software upgrade, equipment accessories, office supplies, filters, lubricants, tools, grinder consumable, oil, filaments, polymer powder, glassware, spares, metal base plates, testing, minor, miscellaneous items, etc
10.	Tools, Material and other components (Plates, Flat, Sheet, etc), Oils, paints, grease, cutting oils, Tool Boxes and Kits/STD Nuts & Bolts, Next generation Plastics Materials such as Metalon/Delrin for different applications (Futuristic Project), Tooling for Metrology such as surface plates and other consumable, items, Machine Maintenance and repairing, Electronics components
11.	Optical components, Substrates & chemicals, slides, Neubauer chamber, bio-disposables (SOS, Glass, SiC etc.), Other consumable items
12.	Electronic consumables (PCB design and fabrication, Components, Display units, ICs & Controllers, Electronic Boards, LCD, Motors, Wires, Cables, Connectors, Sensors, batteries, motors, wheels, etc.
13.	Mechanical consumables (fabrication. raw materials, cutting tools, connectors, fittings, heat sinks, casings, chassis,
14.	Computer consumables (Printer cartridges, RAM extension, Batteries, Disk, Software, etc)
15.	Instrument accessories, chemicals, solvents, metal salts, antibodies, other biomolecules, etc.
16.	Chirp Phase Mask, KrF premix gas for the Bragg star Laser, Photosensitive optical fiber, Silica tubes, Optical Fiber re-coating, material, fiber patch cords, Optics for UV Laser
17.	High Purity Pt crucibles, chemicals, agate mortar pestle, glassware, plastic wares, sample analysis
18.	Macrophage cell line RAW 264.7 (American Type Culture Collection), DMEM media for cell culture maintenance, foetal bovine serum (FBS), gentamycin, reagents/kits for ROS evaluation, disposable cell culture dishes (6/12/24/96 well polystyrene coated)
19.	Different electrical and electronics boards and components like miniature regulated power supply, raspberry pi, display module, arduino board, cable and converter for communication; CO ₂ gas filling; microfluidic tubing and sleeves; base platform; enclosure; sealant and components for miniature exhaust system at sensing environment; screws; stationary kits for mechanical fittings; microfluidic device fabrication consumables (connectors, double sidedtape, transparent glue, printing charges, power supply cables)

20.	Electrodes & Dental files
21.	Thermal Camera Software, Miniature camera, Camera Hardware: FLIR ONE pro, Embedded Control Hardware: Single Board Computer, Visible range handheld recorder, High resolution DSLR Camera, Camera accessories: such as Tripod etc, Sensor system/meter for Temperature & Humidity, Respiratory sensor system for recording of patient physiological parameters, Fabrication of customized Chamber for Patient screening, Dehumidifier for maintaining the experimental protocols, Cardiac measurement setup, Black Velvet Fabric, Pulse oximeter, Networking Component, Display hardware for user interface, Hardware: Voice Recording and analysis, Controller: Raspberry Pi 3 Model or better, Controller accessories: Raspberry Pi Camera Module v2, Hardware: Infrared Camera Module v2 (Pi NOIR), Display for User Interface, Electronic Components (data acquisition with cables/accessories) for system development, Webcam
22.	Si wafers, GaN/Si epilayers, Electrodes, Glass wares etc. Chemicals, gases, filaments, pure metal, sources, liquid nitrogen, MBE components, electronics, components, prototype components & Others miscellaneous
23.	Laser diodes, Laser driver, butterfly mount, TEC controller, Photo detector, Gas flow cell (Standard & single mode fiber coupled), Optical switch and driver, Standard gas sensors/temperature sensors and modules, Electronic boards, Micro controller development boards, Optical & electronic components, laboratory accessories, Data acquisition card, Miscellaneous consumables (Toxic gas mask, gas cylinders, filled gas, optical fibers, tubings, control valves, maintenance Of existing laboratory equipments, workshop/conference registration charges for fabrication of mechanical, electronics, software module development, technical documentation etc.
24.	Accessories for Xenon lamp source (Optical filters, beam turning assembly, filter holder, shipping charges, etc), Atrazine, Perlites, Coumarine, Ferric nitrate/ chloride, Pyrex Glassware, Columns for HPLC, HCL (acid), Cleaning solution, Cuvettes with cap, Cartridge for extraction, Dialyzer, Flask brush, Iron acetylacetonate, Bisphenol, Citric acid, Urea, Other chemicals which may require for execution of project but not planned, solvents, glassware, cartridges, UPS batteries, consumable software, (Microsoft, Origin), TEM grids, characterization charges for using user facility
25.	Optical components (micro resonator, optical coupler, circulator, etc), Analytical grade chemicals
26.	Miscellaneous accessories, spare parts and software for design simulation