CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar

Research & Planning Cell

Annual Procurement Plan 2026-27

Updated on: 27.10.2026

Project Code: MLP002616

List of P-50 (Capital) Apparatus & Equipment's

S.N.	Name of Equipment	Tentative Cost	Indigenous/ Imported	Justification for the equipment – Please specify for which Work Package/ Work Element this equipment is needed
1	**In-situ FT IR operando spectroscopy**	100	Imported	Allows real-time monitoring of chemical reactions and surface intermediates under actual operating conditions for mechanistic insights.
2	**High performance liquid chromatography-gel permeation chromatography (HPLC-GPC)**	90	Imported	Enables determination of molecular weight distribution and polydispersity of polymers, biomacromolecules, and nanomaterials for advanced materials and pharmaceutical research.
3	**Differential Scanning Calorimeter (DSC)**	80	Imported	Provide essential thermal characterization including phase transitions, stability, and decomposition behaviour of materials.
4	**Thermogravimetric Analyzer (TGA)**	80	Imported	Provide essential thermal characterization including phase transitions, stability, and decomposition behaviour of materials.
5	**TPD instrument**	70	Imported	Allows analysis of desorption behaviour to study surface properties and catalytic activity of materials.
6	**Potentiostat/Galvanostat**	60	Indigenous/ Imported	Supports electrochemical characterization of materials, including corrosion, energy storage, and catalysis studies.
7	**ACTA Pure Chromatographic System**	53.1	Indigenous/ Imported	Provides automated protein purification and biomolecule separation with high precision.
8	**ACTA Flux Pilot Tangential Flow Filtration Unit**	53.1	Indigenous/ Imported	Enables efficient concentration and purification of biomolecules using membrane-based filtration.
9	**Microwave Plasma Atomic Emission Spectroscopy (MP-AES) instrument**	45	Indigenous/ Imported	Enables cost-effective, multi-elemental analysis using microwave plasma with good sensitivity and precision.

10	**60 KVA UPS system**	40	Imported	Provides uninterrupted and stable power supply to protect sensitive analytical instruments and ensure continuity of experiments.
11	**Nitrogen generator**	40	Indigenous/ Imported	Supplies continuous high-purity nitrogen required for reliable operation of LC–MS systems.
12	**Microwave digester**	30	Indigenous/ Imported	Ensures rapid and complete digestion of complex samples for accurate elemental analysis.
13	**Fume hoods with exhaust**	30	Indigenous	Ensures safe handling of hazardous chemicals by effective removal of toxic fumes and vapours.
14	**Ball milling stations**	30	Indigenous	Enable mechanical synthesis and size reduction of materials for nanomaterials and advanced material development.
15	**Flash Column Chromatography**	30	Indigenous	Provides rapid and efficient purification of compounds for synthetic and analytical applications.
16	**Universal testing machine**	25	Indigenous/ Imported	Evaluates mechanical properties such as tensile, compressive, and flexural strength of materials.
17	**LiDAR 3D Scanner**	25	Indigenous/ Imported	Provides high-resolution three-dimensional mapping and spatial analysis for research and field applications.
18	**Refrigerated Incubator Shaker**	23	Indigenous/ Imported	Enables controlled temperature incubation with agitation for microbial and biochemical studies.
19	**Glove boxes**	50	Indigenous/ Imported	Enables handling of air- and moisture-sensitive materials under inert atmosphere conditions.
20	**Jacketed reactor**	50	Indigenous/ Imported	Facilitates temperature-controlled chemical reactions for synthesis and process development.
21	**Fire Hydrant/Hose/ Smoke detection System**	250	Indigenous/ Imported	Ensures fire safety and early hazard detection to protect personnel, infrastructure, and high-value research equipment.
22	**Rheometer**	180	Imported	Evaluates flow and deformation behaviour of materials to understand their viscoelastic and processing properties.

23	**liquid nitrogen plant**	150	Imported	Ensures continuous supply of liquid nitrogen for cryogenic applications, sample preservation, and analytical instrumentation.
24	**GC MS-MS with head space**	140	Imported	Enables highly sensitive and selective analysis of volatile and semi-volatile compounds in complex matrices with minimal sample preparation.
25	**Inductively Coupled Plasma Mass Spectrometry (ICP-MS)**	120	Imported	Enables ultra-trace level multi-elemental analysis with high sensitivity and precision for environmental, biological, and material samples.
26	**GC-MS**	120	Imported	Facilitates identification and quantification of volatile and semi-volatile organic compounds in complex matrices.
27	**Flame photometers**	105		Allows rapid and cost-effective determination of alkali and alkaline earth metals in various samples.
28	**Ion chromatograph**	100	Imported	Enables rapid and sensitive multi-elemental analysis of diverse samples across environmental, biological, and material sciences.
29	**Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)**	90	Imported	Enables rapid and sensitive multi-elemental analysis of diverse samples across environmental, biological, and material sciences.
30	**Fuel Cell test station**	90	Imported	Enables performance evaluation and durability testing of fuel cells under controlled operating conditions for energy research.
31	**CHNSO elemental analyzer**	80	Imported	Determines elemental composition to confirm purity and validate chemical structures of diverse materials.
32	**Preparative HPLC with automatic sampler and high-throughput automatic fraction collector (Fully automatic preparative HPLC**	80	Imported	Enables automated large-scale purification of compounds with high efficiency and reproducibility.
33	**Membrane casting unit**	71	Imported	Facilitates controlled fabrication of polymeric and composite membranes for separation and filtration applications.

34	**Portable photosynthesis system**	70	Imported	Enables real-time measurement of photosynthetic parameters in plants under field and laboratory conditions.
35	**Fermenter**	53	Indigenous/ Imported	Supports controlled cultivation of microorganisms for bioprocessing and biochemical production.
36	**Gel permeation chromatography (GPC)**	50	Indigenous/ Imported	Enables determination of molecular weight distribution of polymers and macromolecules.
37	**Chiller circulator**	41.7	Indigenous/ Imported	Provides precise temperature control for analytical instruments and reaction systems.
38	**Hot Stage Microscopy HSM**	40	Indigenous/ Imported	Allows real-time observation of material behaviour under controlled heating conditions for thermal analysis.
39	**UV Vis spectrophotometer**	40	Indigenous/ Imported	Enables quantitative and qualitative analysis of compounds based on UV–visible absorption for diverse chemical and biological applications.
40	**Algae Growth Chamber**	35	Imported	Provides optimized and controlled conditions for cultivation and experimental studies of algal systems.
41	**Lyophilizer**	33	Indigenous/ Imported	Enables freeze-drying of samples for long-term preservation and stability of biological and chemical materials.
42	**COMSOL Multiphysics software**	30	Indigenous/ Imported	Enables advanced simulation and modelling of coupled physical processes for research and process design.
43	**Deep Freezer**	25.9	Indigenous/ Imported	Provides low-temperature storage for preservation of biological samples, reagents, and materials.
44	**Domestic membrane rolling unit**	25	Indigenous/ Imported	Facilitates fabrication of membrane modules for filtration and separation applications.
45	**MD pilot plant**	25	Indigenous/ Imported	Enables pilot-scale membrane distillation studies for water treatment and desalination research.
46	**Supercritical CO_2 Extractor**	25	Indigenous/ Imported	Enables efficient and solvent-free extraction of compounds using supercritical fluids.
47	**GPR**	25	Indigenous/ Imported	Enables subsurface imaging and characterization for geological and structural investigations.
48	**Elipsometer**	200	Imported	Provides precise measurement of thin film thickness and optical properties for advanced materials and surface science research.

49	**Optical profilometer**	70	Imported	Provides non-contact, high-resolution surface topography and roughness analysis of materials.
50	**MPLC**	30	Indigenous/ Imported	Provides efficient and scalable purification of compounds with better control compared to traditional column chromatography.
51	**Atomic force microscope (AFM)**	350	Imported	Provides nanoscale surface imaging and measurement of material properties for advanced nanotechnology research.
52	**Isotope Ratio Mass Spectrometer**	150	Imported	Enables precise isotopic analysis for tracing sources, pathways, and biochemical processes in environmental and biological systems.
53	**GC TQMS with autosampler, head space**	120	Imported	Provides high-throughput, accurate, and reproducible quantitative analysis of trace-level volatile compounds in diverse samples.
54	**Raman Spectrometer**	100	Imported	Enables non-destructive molecular and structural characterization of a wide range of materials.
55	**Surface area analyzer**	100	Imported	Enables determination of specific surface area and pore characteristics critical for evaluating adsorption and catalytic performance of materials.
56	**Dual Station Physisorption Analyser**	90	Imported	Allows simultaneous measurement of surface area and pore characteristics of materials, improving efficiency in adsorption and catalyst studies.
57	**Dynamic mechanical analysis (DMA)**	80	Imported	Evaluates viscoelastic and mechanical properties of materials under varying temperature and frequency conditions.
58	**Microgravity Instrument**	35	Imported	Supports simulation of microgravity conditions for advanced biological and material science research.
59	**Gas Sorption instrument multicomparment**	32	Indigenous/ Imported	Allows simultaneous analysis of gas adsorption properties for multiple samples, enhancing efficiency in material characterization.
60	**Automatic proximate analyzer**	25	Indigenous/ Imported	Enables rapid determination of moisture, ash, volatile matter, and fixed carbon in materials.

61	**GPC MALS**	300	Imported	Enables absolute molecular weight, size, and conformation analysis of polymers and biomacromolecules without reliance on calibration standards, ensuring high-accuracy characterization.
62	**rHF spinning kit with spinneret**	25	Indigenous/ Imported	Enables fabrication of hollow fiber membranes for advanced separation technologies.
63	**Flash chromatography**	85	Imported	Provides rapid and efficient purification of compounds, essential for synthetic chemistry and material preparation.
64	**LCMS Q-TOF System**	400	Imported	Offers high-resolution mass analysis for precise identification and structural elucidation of complex chemical and biological compounds.
65	**Scanning Electron Microscope (SEM)**	400	Imported	Provides high-resolution imaging and surface morphology analysis at the nanoscale for advanced material characterization.
66	**LCMS TQ system**	250	Imported	Enables highly sensitive and selective quantitative analysis of trace-level compounds in complex chemical, biological, and environmental samples.
67	**Non-IBR Boiler System / Thermic Fluid Heating System**	35	Indigenous	Supplies uniform and efficient heating for reactors and process systems in pilot-scale and laboratory operations.
68	**X-ray powder diffractometer (XRD)**	400	Imported	Enables phase identification and crystallographic analysis of crystalline materials.
69	**NMR solid state**	300	Imported	Facilitates detailed structural and molecular-level characterization of solid and non-crystalline materials.
70	**Flow reactor**	58	Indigenous/ Imported	Enables continuous and controlled chemical reactions for process optimization and scale-up studies.
71	**Refrigerator chamber**	35	Imported	Enables controlled environmental conditions for studying plant growth, physiology, and stress responses.
72	**Miscellenous Instruments**	896.52	Indigenous/ Imported	Support routine laboratory operations, sample preparation, and auxiliary analytical requirements, ensuring efficient functioning of research activities and complementing major instrumentation facilities.

List of Miscellaneous equipment (2026-31):

Equipment name (2026-2031)	
Elipsometer	Potentiostats
Rheometer	Flow reactors
Centrifuges	ACTA Pure Chromatographic System
Isotope Ratio Mass Spectrometer	Glove boxes
liquid nitrogen plant	Fermenters

GC MS-MS with head space	Parallel Reaction Systems
GC TQMS with autosampler, head space	Analytical HPLCs
Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	ACTA Flux Pilot Tangential Flow Filtration Unit
GC-MS instruments	Jacketed reactors
Flame photometer	Gel permeation chromatography (GPC)
Ion chromatograph	Computers
Raman Spectrometer	HPLC Systems
Surface area analyzer	Construction of 1,00,000 L aquaculture pond
Insitu FT-IR operando spectroscopy	Multi Thermo incubators
Pumps	Chiller circulators
Rotary evaporators	Furnaces
High performance liquid chromatography-gel permeation chromatography (HPLC-GPC)	Microwave Plasma Atomic Emission Spectroscopy (MP-AES) instrument
Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)	Trace gas analyzer
Fuel Cell test stations	Battery test station
Dual Station Physisorption Analyser	Hot Stage Microscopy HSM
CHNSO elemental analyzer	Network switches
GCMS with autosampler, head space	GC
Non-IBR Boiler System / Thermic Fluid Heating System	Ovens
Dynamic mechanical analysis (DMA)	Plant growth chamber
Preparative HPLC with automatic sampler and high-throughput automatic fraction collector (Fully automatic preparative HPLC	Algae Growth Chamber
Deep Freezers	Microgravity Instrument
Membrane casting unit	Lyophilizer
Portable photosynthesis system	Gas Sorption instrument multicomparment
Optical profilometer	CHN analyser
Preparative HPLCs	Refrigerated centrifugal evaporation system
TPD instrument	MPLC
HPLC with RI Detector	Microwave digester
Autoclaves	Rota evaporator instrument
HPLC with autosampler	Fume hood with exhaust
COMSOL Multiphysics software	Jacketed vessels
Automatic proximate analyzer	Flash Column Chromatography
Domestic membrane rolling unit	HF spinning unit
rHF spinning kit with spinneret	Bioreactors
BSL 2 compliance Biosafety cabinets	Digital autoclave
Conductivity meter with humidifier setup	Multi-evaporators
MD pilot plant	Multi-modal microplate reader
Membrane testing system (acid-stable)	Gas chromatography
Microscopes	Gaussian software
Supercritical CO_2 Extractor	Polarizing Microscope
Universal testing machine	Fume Hoods
GPR	HPLC
10 KVA UPS parallel redundant system	Chlorinator

LiDAR 3D Scanner	Pulse Amplitude Modulated fluorometer
Refrigerated Incubator Shaker	Printers
UV-Visible Spectrophotometers	Tangential Flow Filtration Unit
Magnetic stirrer with heating	Freeze Dryers
Acid stable membrane testing kit	IOT module
Laboratory washer (140 L capacity)	RID detector for HPLC
parameter sensors, camera, network switch - lab safety monitoring system	Flow reactor (tubular reactor + HLPC pumps + circulator + Control Panel)
Handheld Porometer - Fluorometer	Electrochemical reaction station
Zero air generator	Digital Viscometer
Polarizer Microscope	MATLAB Software
Continuous Flow Reactor	Laser cutting machine
Water system	UPS
High pressure reactor	Pyrolyser for GC MS MS
Air conditioners	Boiler
Gaussian and Gauss view site license - multiple node	Dissolution apparatus Auto Sampler Unit With Syringe Pump
Mix extruder machine	Impedance Analyzer
Data loggers	CCTV system 360° rotation
Sonicator	CO_2 Induced Mixing machine
Weighing balances	Inverted Microscope
-80 Refrigerator with 10 KVA UPS	Mixing Vessel
Cell fusion system	1 MLD SWRO membrane skid
Plant growth chamber with UPS	Distillation Systems
Texture analyser	Water treatment plants
Power supply	Advanced Photo reactors
Air compressors	Schlenk line setup
Gel Doc	TKN Instrument
Electromembrane casting setup	Solvent Cabinet
Mass flow controlers with softwares for electrolyzer	Electroporation system
Customized SeRAS reactor (1 m^3 capacity)	Self-pressurized liquid nitrogen container
Plant canopy analyzer	DG Set
Electrochemical Workstation	Photochemical Batch and Flow reactor
Cyclone type separator /heat exchanger system	Dehumidifiers
Microscopes with camera	Portable DO meter
Low temperature reaction system	Pyrometer
Plate and Frame Filter Press	Scheffler Dish
Load Cell Based Continuous Digital Weighing System with Data Acquisition and PC	Incubator with Shaker & Rack
Laminar air Flows	Box-type heater with blower
Desktop PCs	Hydraulic press
Bomb calorimeter	Conductivity meter
Portable weather station with logging system and PC	Multi probe for analysing DO, Nitrate, nitrite, Phospahte and Ammonium
Portable Multiparameter Water Quality Meter	HMI
Battery Cycler	Shaker Incubators
Ball Milling	Portable pH/ORP meters

Sensors	Portable leaf area meter
Homogenizers	Deep water sampler-Niskin
Rotameters	Underwater camera with housing case
Drilling machine	Pressure reactors
Gas regulators	Controllers
Gas purification panel system	Heating mantles
Plate Shaker/Mechanical Shaker	UV-vis viewing cabinet
PLC	Flowmeters
Single Punch Tablet Press	Prefabricated container
Ultrasonic processor	Shaking water baths
Franz Diffusion Cell Apparatus	Lathe machine
Roller crusher/wet mill	Fire Extinguishers
Lime Slaker	Fire & safety System Accessories
Open Pan Evaporators	Digital Burettes
Solid phase extraction unit	Centrifugal blower
Laboratory Tray Dryer	Hot plates
Mestrenova software	Breathing Apparatus
Fume Hoods	Melt flow index machine
Microwave reactors	Liquid nitrogen container
Epabx upgrade	Shakers
Photocatalytic reactors	Chlorophyll meter
pH Meters	Biomass grinder / pulverizer
Air sampler/Respirable Dust sampler	MilliQ Ultra Water Purification Units
Soxhlet Glass Distillation Column	Refrigerators
Multiparameter meters	Walkie Talkie
Ozonators	Melting point instrument
Stirrer with ceramic ball milling	Desicators
Aerators	Laptops
Dissolved CO_2 probe	Torque Wrenchs
Seawater vacuum filter unit	Switches
AC drive	Land Leveller
Digital storage oscilloscope (DSO)	Fluorescence lamp
Function generator	pH meter & TDS meters
Digital microscopes	Hygrometers
COD digester	Pressure cookers
Multimeters	Van Veen Bottom Grab sampler
Auto level machine with staff	UV Chambers
Binoculars	Juicer mixer grinders
Salinometers	Spinners
Electric bike (E-bike)	Exhaust for laboratory
Infrared gun thermometers	Hand Held Drill Machine
Fire Hose Boxes	Electric Kettle
Hour Meter	Grinders
Electric fans	External DVD writer
Water baths	Glass Cutter
Multipurpose Nozzles	Weedicide sprayer
Thermometers	Thermal Gun
Timers	Compound microscopes

Level sensors	Dissecting microscope
Air coolers	Orsat gas apparatus
Solder station	Gas stove
Desolder station	Digital Thermometers
AC to DC converters	Hydraulic Trolley
Solvent dispensers	Salinity meters
Refractor meter	Vortex
Life Cycle Assessment Software	Stabilizes for AC
ultrasonic baths	Turbidity meters
Machine Tool Box	Lux meter
DSLR Camera	etc.

(Consumable Budget Head)

Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	Chemicals	115
2	Glassware	40
3	Plastic ware	40
4	R & D Equipment's Maintenance	55.25
5	Works & Services	14.14
6	Repair & Job work	25
7	Cartridge	2
8	Gas Cylinders	10
9	Software	10
10	Electrical and Electronic items	5
11	Stationery	1
12	Annual maintenance contract	80
13	IT related consumables	20
14	UPS batteries	15
15	Miscellaneous items	95
Total		**527.39**

1) HCP0024 (Phase III)

Title of the project: Seaweed Mission Phase III: Identification of Potential Locations across India for Seaweed Cultivation (IPL-ISeaC): HCP-0024

WP-1: Pre-feasibility of seaweed farming at Pan India at selected locations	WP-01 Leader: Dr. Vaibhav A. Mantri

Recurring

Sr. No.	Name of Item	Approximate cost (Rs.)		
		Mandapam	**CSMCRI-HQ**	**Total**
1.	Chemicals	0	2,25,000	2,25,000
2.	Glasswares	0	25,000	25,000
3.	Other consumable items	2,10,000	0	2,10,000
	Subtotal (Chem./Cons.)	**2,10,000**	**2,50,000**	**4,60,000**
4.	Other research expenditure including R&D services, Publication charges, Contract Manpower Services, hired vehicle charges, miscellaneous contract jobs and other unforeseen expenditure such as but not limited to advertisements/ honorarium/ memento/ foods/ lunch/ dinner/ tea/ guest-house charges, etc.	26,52,000	12,47,000	38,99,000
	Total			**43,59,000**

Approved budget for WP-1

A. Recurring	
Chem./Cons.	4,60,000
ORE	38,99,000
Total	**43,59,000**

WP-2: Development of improved Kappaphycus and Gracilaria variants for better growth & stress tolerance through a non-GMO approach	WP-02 Leader: Dr. Mangal S. Rathore Team: Dr. Moutusi Manna / Dr. Satish Lakkakula

Recurring

Sr. No.	Name of Item	Approximate cost (Rs.)			
		Mangal S. Rathore (MSR)	Dr. Moutusi Manna (MM)	Dr. Satish Lakkakula (SL)	Total
1.	Chemicals	12,50,000	80,000	70,000	14,00,000
2.	Glasswares	1,50,000	00	30,000	1,80,000
3.	Other consumable items	2,00,000	20,000	50,000	2,70,000
	Subtotal (Chem./Cons.)	16,00,000	1,00,000	1,50,000	18,50,000
4	Other research expenditure including R&D services, Publication charges, Contract Manpower Services etc.	15,50,000	2,50,000	4,00,000	22,00,000
	Total	**31,50,000**	**3,50,000**	**5,50,000**	**40,50,000**

Travels

	Details	MSR	MM	SL	Total
5	**Travel in India**	1,50,000	50,000	50,000	**2,50,000**

Non-Recurring

	Details	MSR	MM	Total
6	Apparatus & Equipment: [Freezer/s (-20 & 4 degree), **DO meter** & miscellaneous like portable balance / pH / salinometer / vorext / spiner etc below 1 L]	3,50,000	1,50,000	**5,00,000**

Approved budget for WP-2

A. Recurring	
Chem./Cons.	18,50,000
ORE	22,00,000
Total	**40,50,000**

B. Non-Recurring	
Works & Services	25,000
Apparatus & Equipment	5,00,000
Total	**5,25,000**

WP-03	WP- Leader: **Dr Avinash Mishra**

Recurring

Sr. No.	Name of Item	Approximate cost (Rs.)		
		BHAVNAGAR	MANDAPAM	Total
1.	Chemicals	8,00,000	3,00,000	11,00,000
2.	Glasswares	3,00,000	1,00,000	4,00,000
3.	Other consumable	6,00,000	4,00,000	10,00,000
	Subtotal (Chem./Cons.)	**17,00,000**	**8,00,000**	**25,00,000**
4.	**Other Research Expenditure** (**ORE**) includes R&D Services, Publication Charges, Contract Manpower Services, Contract Services, miscellaneous services, miscellaneous repairing works, honorarium, advertisement, food services and any other unforeseen services etcetera	2,25,000	1,25,000	**3,50,000**
	Total	**19,25,000**	**9,25,000**	**28,50,000**

6. Travel in India

Travel in India	BHAVNAGAR	MANDAPAM	Total
	1,00,000	50,000	**1,50,000**

Non-Recurring

7.	Apparatus and Equipments	BHAVNAGAR	MANDAPAM
	Bhavnagar: a. Microscope, b. Autoclave, c. Ice Matic **Mandapam:** a. Dissolved oxygen meter, b. Air blower, c. Hand Refractometer	8,50,000	1,50,000
	Total	**10,00,000**	

Approved budget (in Rs.) for WP-03

A. Recurring	
Chem./Cons.	25,00,000
ORE	3,50,000
Subtotal	**28,50,000**
TA	1,50,000
Total	**30,00,000**

B. Non-Recurring	
Apparatus and Equipment	10,00,000
Total	10,00,000

WP-4: BIO-STACT – Biostimulants with Stable Active Components and Targeted Mechanistic insights	WP-04 Leader: Dr. Khanjan Trivedi

Recurring

Sr. No	Name of Item	Approximate cost (Rs.)
1.	Chemicals	8,00,000
2.	Glasswares	4,00,000
3.	Plastic ware	3,00,000
4.	Other consumable items	5,00,000
	Subtotal (Chem. /Cons.)	**20,00,000**
5.	Other research expenditure including R&D services, Publication charges, Contract Manpower Services, hired vehicle charges, miscellaneous contract jobs and other unforeseen expenditure such as but not limited to advertisements/ honorarium/ memento/ foods/ lunch/ dinner/ tea/ guest-house charges etc.	15, 80,000
	Total	**35,80,000**

Non-Recurring

1	Works & Services	2,00,000
2	Apparatus & Equipment	0
	Total	**2,00,000**

Approved budget for WP-4

A. Recurring	
Chem./Cons.	20,00,000
ORE	15, 80,000
Total	**35,80,000**

B. Non-Recurring	
Works & Services	2,00,000
Apparatus & Equipment	0
Total	**2,00,000**

WP-5: Scale-up and validation of the seaweed processing for the production of carrageenan, agar and alginate at CSIR-CSMCRI – MARS Mandapam	WP-05 Leader: Dr. R. Dineshkumar

Recurring

S No	Name of Item	Approx. cost (Rs.)
1	Chemicals	3,00,000
2	Glasswares	40,000
3	Other consumable items	1,10,000
4	Maintenance of equipment / replacement of spare parts	50,000
	Subtotal (Chem./Cons.)	**5,00,000**
6	Other research expenditure including R&D services, Sequencing / Molecular analysis including transcriptomics, metabolomics, etc; analytical services and outsourcing work; Publication charges, Contract Manpower Services, miscellaneous repairing works, registration fee, membership fee, training fee, subscription fee for R&D related, honorarium, hired vehicle charges, miscellaneous contract jobs and other unforeseen expenditure such as but not limited to advertisement/ honorarium/ memento/ food/ lunch/ dinner/ tea/ guest-house charges, etc.	3,50,000
	Total	**8,50,000**

Non-Recurring

8	Works & Services (related to civil and electrical items for pilot plant, boiler room, seaweed outdoor, raceway pond unit / flooring for equipments placement/ shed, floor facility for seaweed processing, drying, etc).	10,55,550
9	Apparatus and Equipments [Jacketed High Pressure Vessel; Jacketed Open Pan Evaporator; Perforated Vessel; M.S. Platform for Work Handling; Hoist and Pulley Structure for entire room; Spent KOH storage Vessel; Mixing vessels (HDPE for aqueous solution and IPA /HALAR coated SS/ HALAR coated MS for acidic); Thermic Fluid Heating System with thermic fluid Pipelines with insulations; Distillation Unit with Chiller Plant; Cold Room / chiller plant; Freeze dryer/lyophilizer; Centrifugal Pumps / transfer pump; Heavy duty centrifugal acid transfer pump /peristaltic pump; Vacuum Nutch Filter (Thermic fluid based jacketed) with Water Ring Vacuum Pump; Plate and frame filter press; Tubular bowl centrifuge (Thermic Fluid jacketed / non jacketed); Tray dryer; Vacuum dryer; Pulveriser/ Crusher; Multi-mill; Sap Expeller/ Extruder; Triple/single/dual-effect evaporator; Solid-state Fermenter; Submerged Fermenter and Process Controller; UV-Vis Spectrophotometer; Miscellaneous and minor equipments like safety equipments like fire extinguisher & eye/body shower, trolleys (hydraulic/manual), tanks, effluent treatment plant, weighing balance, bioreactors, voltage regulators/ stabilizers, valves, drain pipes, process modelling softwares; Cell Counter; Ultra filtration / Filtration unit; Gel electrophoresis/ SDS-PAGE; Microplate reader; Hot plate with magnetic stirrer, etc.]	145,00,000

Approved budget for WP-5:

A. Recurring (Rs.)	
Chem./Cons.	5,00,000
ORE	3,50,000
Total	**8,50,000**
B. Non-Recurring (Rs.)	
Works & Services	10,55,550
Apparatus and Equipments	145,00,000

WP-6: Seaweed based formulations/sap for reduced disease susceptibility in important oil yielding crops, peanut and sesame.	WP-6 Leader: Dr. Pradeep Kumar Agarwal

Recurring

Sr. No.	Name of Item	Approximate cost (Rs.)
1.	Chemicals	13,00,000
2.	Glassware	40,000
3.	Plastic ware	90,000
4.	Other consumable items	3,00,000
5.	Cartridges	50,000
	Subtotal (Chem./Cons.)	**17,80,000**
6	Other research expenditure including R&D services, Publication charges, Contract Manpower Services, miscellaneous repairing works, honorarium, hired vehicle charges, miscellaneous contract jobs and other unforeseen expenditure. etc.	30,14,516
	Total	**47,94,516**

8	Work & Services	00
9	Apparatus & Equipment: Microscope, Ultrasonicator, Small equipments like vortex, mini spinwin, vaccum pump, PH meter	10,00,000
	Total	10,00,000

Approved budget for WP-6

A. Recurring	
Chem./Cons.	17,80,000
ORE	30,14,516
Total	**47,94,516**

B. Non-Recurring	
Apparatus and Equipment	10,00,000
Total	10,00,000

WP-7: Bioprospecting of Seaweeds and Employing Forward Genetic Approaches to Target Identification of Bio-actives Derived from Seaweeds	**WP-7 Leader: Dr. Pramod B. Shinde (from CSMCRI)**

Recurring

Sr. No.	Name of Item	Approximate cost
1.	Chemicals	3, 80,000
2.	Glasswares	50,000
3.	Other consumable items	35,000
4.	Replacement of spare parts of equipments	20,000
5.	Computer consumables	15,000
	Subtotal (Chem./Cons.)	**5,00,000**
6	Other research expenditure including R&D services, Publication charges, Contract Manpower Services etc.	1,00,000
	Total	**6,00,000**

Approved budget for WP-7

A. Recurring	
Chem./Cons.	5,00,000
ORE	1,00,000
Total	**6,00,000**

WP-8: Contribution of coral reef seaweed to blue economy and coral reef health	WP-8 Leader: Dr. Veeragurunathan

Recurring

Sr. No.	Name of Item	Approximate cost (Rs.)
1.	Plastic ware	50,000
2.	Other consumable items	4,00,000
	Subtotal (Chem./Cons.)	**4,50,000**
3.	Other research expenditure including R&D services, Publication charges, Contract Manpower Services, genome analysis, sequencing services etc.,	5,50,000
4.	Total (A)	**10,00,000**

Non-Recurring

5.	Works & Services includes repairing of existing running seawater facilities and its pipeline connections and	1,00,000
6.	**Apparatus & Equipment**	
	ELISA Microplate Reader	2,00,000
	Scuba diving kit	5,00,000
Total (B)		**8,00,000**
Grand Total (A+B)		**18,00,000**

Approved budget for WP-8

A. Recurring	
Chem./Cons.	4.50,000
ORE	5,50,000
Total	**10,00,000**

B. Non-Recurring	
Works & Services	1,00,000
Apparatus and Equipment	7,00,000
Total	8,00,000

2) HCP002502:

Annual Procurement Plan-2026-27

Project type: ~~Inhouse /~~ Centrally funded ~~/ STS/RDSF~~

Project Number: HCP002502

Name of the Project Leader: Dr. S.C. Upadhyay

Name of the Discipline/Section: Salt & Marine Chemicals

Name of Divisional Chair/Section head: Dr. Arvind Kumar

(Capital Budget Head)

Non- Consumable Items (Above 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1	Refrigerated Incubator Shaker(s)	1	Indigenous	7.00	April – Sep.2026
2	Rotary Evaporator(s)	1	Indigenous	10.00	April – Sep.2026

(Add Row if needed)

Non- Consumable Items (Below 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1	Printer	1	Indigenous	1.00	April – Sep.2026
2	Field pH meter(s)	1	Indigenous	0.50	April – Sep.2026
3	EC meter(s)	2	Indigenous	0.50	April – Sep.2026
4	Desktop with i7 Intel Core	3	Indigenous	2.25	April – Sep.2026
5	UPS	1	Indigenous	0.65	April – Sep.2026
6	TDS	1	Indigenous	0.35	April – Sep.2026
7	Refrigerated Centrifuge	1	Indigenous	3.00	April – Sep.2026
8	Display Tables	2	Indigenous	1.00	April – Sep.2026
9	Chiller	1	Indigenous	1.75	April – Sep.2026
10	Laminar air flow chamber	1	Indigenous	1.75	April – Sep.2026
11	Sap Expeller	1	Indigenous	3.50	April – Sep.2026
12	Trinocular Microscope	1	Indigenous	2.00	April – Sep.2026
13	Plant Canopy Analyzer	1	Indigenous	2.65	April – Sep.2026
14	Workshop tools	1	Indigenous	1.00	April – Sep.2026

(Add Row if needed)

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals	6.75
2	Glassware	
3	Plastic ware	
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	
8	Gas Cylinders	
9	Software	
10	Electrical and Electronic items	
11	Stationery	
12	Annual Maintenance Contract	
13	IT related consumables	
14	UPS batteries	
15	Miscellaneous items	

3) MMP025302

Annual Procurement Plan-2026-27

Project type: Inhouse / Centrally funded / STS/RDSF

Project Number: MMP025302

Name of the Project Leader: Dr. Asish Kumar Parida

Name of the Discipline/Section: Halophyte Biology & Biotechnology Division

Name of Divisional Chair/Section head: Dr. Pradeep K. Agarwal

(Capital Budget Head)

Non- Consumable Items (Above 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1	Minor Equipment up to 1 lakh each	5	Indigenous	5.00	October 2026

Non- Consumable Items (Below 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1					
2					
3					

(Add Row if needed)

(Consumable Budget Head)

Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	Chemicals	17.50
2	Glassware	0.74
3	Plastic ware	1.70
4	Other Consumables	3.40
7	Cartridge	0.20
13	IT related consumables	0.10
15	Miscellaneous items	0.10

Asish Parida 02.07.2026

Signature of Divisional Chair/ Project Leader/Sectional Head

4) MMP035201 (Dr. Govind Sethia):

Dr Govind Sethia

Annual Procurement Plan-2026-27

Project type: Inhouse / Centrally funded / STS/RDSF

Project Number: MMP-035201

Name of the Project Leader: Dr. Govind Sethia

Name of the Discipline/Section: IMCD

Name of Divisional Chair/Section head: Dr. P.S. Subramanian

(Capital Budget Head)

Non- Consumable Items (Above 5 lakhs)					
Sr. No.	Name of Equipment/ Item	Quantity (Nos.)	Imported/ Indigenous	Approximate Cost (Rs. in Lakhs)	Tentative period of Procurement
1					
2					
3					

(Add Row if needed)

Non- Consumable Items (Below 5 lakhs)					
Sr. No.	Name of Equipment/ Item	Quantity (Nos.)	Imported/ Indigenous	Approximate Cost (Rs. in Lakhs)	Tentative period of Procurement
1					
2					
3					

(Add Row if needed)

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals	2.73
2	Glassware	0.3
3	Plastic ware	
4	R & D Equipment's	0
5	Works & Services	0.5
6	Repair & Job work	0.3
7	Cartridge	1
8	Gas Cylinders	0
9	Software	0
10	Electrical and Electronic items	0
11	Stationery	1.5
12	Annual Maintenance Contract	0.3
13	IT related consumables	0
14	UPS batteries	0
15	Miscellaneous items	

7/12/2025

Signature of Divisional Chair/ Project Leader/Sectional Head

5) MMP035203:

Annual Procurement Plan-2026-27

Project type: Inhouse / Centrally funded / STS/RDSF

Project Number: MMP035203

Name of the Project Leader: Dr. S. Adimurthy

Name of the Discipline/Section: Marine Natural Products & Biopolymers

Name of Divisional Chair/Section head: Dr. Kamalesh Prasad

Half yearly budget received for FY 2026-27 (chemicals/consumables) = Rs. 6.000 lakhs

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals	5.70
2	Glassware	0.20
3	Plastic ware	
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	
8	Gas Cylinders	0.10
9	Software	
10	Electrical and Electronic items	
11	Stationery	
12	Annual maintenance contract	
13	IT related consumables	
14	UPS batteries	
15	Miscellaneous items	



21/7/2026

(S. Adimurthy)

Signature of Project Leader

6) RDS000020

Annual Procurement Plan-2026-27

Project type: RDSF

Project Number: RDS000020

Name of the Project Leader: Dr. Uma Chatterjee & Mr. Pankaj D. Indurkar

Name of the Discipline/Section: EMP Group

Name of Divisional Chair/Section head: Dr. Vaibhav Kulshrestha

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1.	Chemicals	3.5
2.	Glassware	0.2
3.	Plastic ware	0.2
4.	R & D Consumables	2.5
5.	Repair, Job work & maintenance	0.2
6.	Cartridge	0.2
7.	Gas Cylinders	0.2
8.	Miscellaneous items	0.5

Uma Chatterjee
21/7/26
Signature of Project Leader

7) RDS000018

Name of the Project Leader: Dr. Khanjan Trivedi

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals	4.3
2	Glassware	
3	Plastic ware	
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	
8	Gas Cylinders	
9	Software	
10	Electrical and Electronic items	
11	Stationery	
12	Annual maintenance contract	
13	IT related consumables	
14	UPS batteries	
15	Miscellaneous items such as HPLC columns (H+ sugar, C18) etc.	1.3
16	ORE (including sequencing services)	

8) RDS000017:

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals	6.5 L
2	Glassware	1 L
3	Plastic ware	1 L
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	0.20
8	Gas Cylinders	0.10
9	Software	0.10
10	Electrical and Electronic items	
11	Stationery	
12	Annual maintenance contract	
13	IT related consumables	
14	UPS batteries	0.20
15	Miscellaneous items	0.20

14/05/26

Signature of Divisional Chair/ Project Leader/Sectional Head

9) RDS000016:

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals	4.8 L
2	Glassware	0.50 L
3	Plastic ware	0.25 L
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	
8	Gas Cylinders	0.25 L
9	Software	
10	Electrical and Electronic items	
11	Stationery	
12	Annual maintenance contract	
13	IT related consumables	
14	UPS batteries	
15	Miscellaneous items	

14.05.2026

Signature of Divisional Chair/ Project Leader/Sectional Head

10) RDS000019:

Project Number: RDSF0000019

Name of the Project Leader: Dr Sumit B. Kamble and Dr. Bipin G. Vyas

Name of the Discipline/Section: Salt and Marine Chemicals

Name of Divisional Chair/Section head: Dr. Arvind Kumar

(Capital Budget Head) – Not applicable (NA)

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals	2.75
2	Glassware	1.1
3	Plastic ware	0.65
4	R & D Equipment's	0
5	Works & Services	0
6	Repair & Job work	3.52
7	Cartridge	0.1
8	Gas Cylinders	0.1
9	Software	0
10	Electrical and Electronic items	0.4
11	Stationery	0
12	Annual maintenance contract	0
13	IT related consumables	0.2
14	UPS batteries	0.2
15	Miscellaneous items /Carpentry items	2.05
	Total	**11.07**



Signature of Divisional Chair/ Project Leader/Sectional Head

11) MMP035201 (Dr. Arvind Kumar)

Annual Procurement Plan-2026-27

Project type: ~~Inhouse /~~ Centrally funded ~~/ STS/RDSF~~

Project Number: MMP 035201

Name of the Project Leader: Dr. Arvind Kumar

Name of the Discipline/Section: Salt & Marine Chemicals

Name of Divisional Chair/Section head: Dr. Arvind Kumar

(Capital Budget Head)

Non- Consumable Items (Above 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**

(Consumable Budget Head)

Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	Chemicals	6.50
2	Glassware	
3	Plastic ware	
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	
8	Gas Cylinders	
9	Software	
10	Electrical and Electronic items	
11	Stationery	
12	Annual Maintenance Contract	
13	IT related consumables	
14	UPS batteries	
15	Miscellaneous items	
16	Diesel	
17	Filter aids	
18	Items required day to day for ESF activities	
19	Cartridges	
20		

~~Signature of Divisional Chair/~~ Project Leader~~/Sectional Head~~

12) FTT090601

FTC090601:

(Capital Budget head)

Name of the Project Investigator: Dr. Bhaumik Sutariya	**Project number:** FTC090601 **Division:** MSST

Non-consumable items above 5 Lakh					
Sr. no.	**Name of the equipment**	**Quantity (nos.)**	**Imported/Indigenous**	**Approx. cost (Rs.)**	**Period of procurement**
1	Membrane testing kit	01	Indigenous	15,00,000	2026-27

Consumable items		
Sr. no.	**Name of item**	**Approximate cost (Rs.)**
1.	Chemicals/R&D consumable/polymers/fabric, etc.	3
2.	Glassware	0.5
3.	Plasticware	0.5
4.	R&D Equipments	0
5.	Work and Services	0
6.	Cartridge	0
7.	Gas cylinder	0
8.	Software	0
9.	Electrical and Electronic items	0
10.	Stationary	0
11.	Annual maintenance contract for instruments	1
12.	IT related consumables	0
13.	UPS batteries	0
14.	Spare parts (for replacement), Hardware including pipes, fittings, hoses, nipples, valves, gauges, filters, membrane, pressure vessel, and miscellaneous items	5

डॉ. भौमिक सुतरिया
Dr. Bhaumik Sutariya
वरिष्ठ वैज्ञानिक /Senior Scientist
झिल्ली विज्ञान और अलगाव प्रौद्योगिकी
Membrane Science and Separation Technology
सीएसआईआर-सीएसएमसीआरआई, भावनगर-364002
CSIR-CSMCRI, Bhavnagar-364002
गुजरात (भारत)/Gujarat (India)

13) FTT030604

Annual Procurement Plan-2026-27

Project type: ~~Inhouse /~~ Centrally funded ~~/ STS/RDSF~~

Project Number: FTT030604
Name of the Project Leader: Dr. Arvind Kumar
Name of the Discipline/Section: SMC & PDED
Name of Divisional Chair/Section head: Dr. Arvind Kumar & Dr. J. R. Chunawala

(Capital Budget Head)

Non- Consumable Items (Above 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1.	Pilot Plant - Soda Ash Production (PDED) (design, fabrication, installation, commissioning, utilities and instrumentation)	01	Indigenous	48.0	

(Consumable Budget Head)

Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	Chemicals	8.00
2	Glassware	
3	Plastic ware	
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	
8	Gas Cylinders	
9	Software	
10	Electrical and Electronic items	
11	Stationery	
12	Annual Maintenance Contract	
13	IT related consumables	
14	UPS batteries	
15	Miscellaneous items	
16	Diesel	
17	Filter aids	
18	Items required day to day for ESF activities	
19	Cartridges	

~~Signature of Divisional Chair/~~ Project Leader~~/Sectional Head~~

14) FBR080404 A

Annual Procurement Plan-2026-27
Project type: ~~Inhouse /~~ Centrally funded ~~/ STS/RDSF~~
Project Number: FBR080404A
Name of the Project Leader: Dr. B Nisar Ahamed
Name of the Discipline/Section: MEME
Name of Divisional Chair/Section head: Dr. Divesh Srivastava

Name of the Discipline: MEME	**Name of Divisional Chair: Dr. Divesh N Srivastava**
Project Number: FBR080404A	**PI: Dr. B. Nisar Ahamed**

(Capital Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Potentiostat	**5**
2	Peristaltic pump	**0.5**
3	Mechanical shaker	**0.5**

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals and consumable	**2.0**
2	Plasticware	**0.5**
3	Glassware	**0.5**



Signature of PI

15) MMP035204

Annual Procurement Plan-2026-27

MMP035204

Name of the Discipline: IMCD, Bhavnagar	**Name of Divisional Chair:** Dr. P.S. Subramanian
Project Number:	**MMP035204**
PI Name: Dr. Lakhya Jyoti Konwar/ Dr. Kamalesh Prasad, Dr. Sanjay Pratihar, Dr. Sourish Bhattacharyya (Co-PIs)	

Non-consumable items						
S. No	Name of the item	Quantity	Imported/ Indigenous	Approximate cost (Rs. In Lakhs)	Proposed year of procurement	Project PI
1.	High Performance Liquid Chromatograph (HPLC) with RI Detector	1	Imported	41	FY 2026-27	Dr. Lakhya Jyoti Konwar/ Dr. Kamalesh Prasad, Dr. Sanjay Pratihar, Dr. Sourish Bhattacharyya (Co-PIs)
2.	Rotary Evaporator with Diaphragm Vacuum Pump	2	Indigenous	9.9	FY 2026-27	
3.	Magnetic stirrer with hot plate and overhead stirrer with hot plate	2	Indigenous	1	FY 2026-27	
4.	Benchtop Centrifuge	2	Indigenous	1	FY 2026-27	
5.	Ultrasonic Bath Sonicator	2	Indigenous	1	FY 2026-27	
6.	Chiller	2	Indigenous	2	FY 2026-27	
7.	Analytical Balance	2	Indigenous	2	FY 2026-27	
8.	Heating mantle with magnetic stirrer	4	Indigenous	3.0	FY 2026-27	

9.	Digital pH Meter	2	Indigenous	0.5	FY 2026-27	
10.	Gas sensor	1	Indigenous	0.5	FY 2026-27	
11.	Vortex mixer	1	Indigenous	0.1	FY 2026-27	
12.	Laboratory Autoclave	1	Indigenous	1.2	FY 2026-27	
13.	Laboratory Refrigerator with humidity controller	1	Indigenous	2.0	FY 2026-27	
14.	Laboratory Deep Freezer (-25^{o}C)	1	Indigenous	2.75	FY 2026-27	Dr. Lakhya Jyoti Konwar/ Dr. Kamalesh Prasad, Dr. Sanjay Pratihar, Dr. Sourish Bhattacharyya (Co-PIs)
15.	High pressure HPLC dosing pump	1	Indigenous	4.75	FY 2026-27	
16.	Back pressure regulator with accessories	3	Indigenous	0.96	FY 2026-27	
17.	Membrane cell	1	Indigenous	2	FY 2026-27	

Consumable items					
S. No	Name of the	Imported/ Indigenous	Approximate cost (Rs. In Lakhs)	Proposed year of procurement	Project PI
1.	Chemicals (solvents, chemicals and gases)	Imported/ Indigenous	5.8	FY 2026-27	Dr. Lakhya Jyoti Konwar/ Dr. Kamalesh Prasad, Dr. Sanjay Pratihar, Dr. Sourish Bhattacharyya (Co-PIs)
2.	Glassware	Imported/ Indigenous	1	FY 2026-27	
3.	Plasticware	Indigenous	1.5	FY 2026-27	
4.	Other consumable items (high pressure fittings and valves, gas cylinders, HPLC/GC columns, spare parts (heaters, tubing, heater sleeves, metal/PTFE rods, sheets for fabrication), IT related consumables, Miscellaneous items)	Imported/ Indigenous	6.3	FY 2026-27	

16) FTT050610

(Capital Budget Head)

Name of the Discipline: Salt and Marine Chemicals	**Name of Divisional Chair:** Dr. Arvind Kumar
Project Number: FTT 050610	**PI:** Dr. Bhoomi Andharia

Non- Consumable Items (Above 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1	Mike 21 licence Software (Perpetual) software Modules Includes MIKE 21 SW MIKE 21 FM ST LINUX for MIKE Zero and MIKE+ MIKE 21 FM MT MARINE PP MIKE 21 FM HD	1	Imported	**50 lakhs**	July – March 2026
2					

Note: The Consumable, Maintenance and contingency budget heads were approved under linked ECF project with FTT Project no. FTT 050610 from partial support from Industry partner as mentioned the DPR for total amount of Rs. 20 Lakhs. The separate APP will be submitted, once, the ECF project will be approved by Competent authority.

Dr. Bhoomi Andharia

Project Investigator

17) FTT060604

Project Number: FTT060604

Name of the Project Leader: Mr. Pankaj D. Indurkar

Name of the Discipline/Section: EMP Group

Name of Divisional Chair/Section head: Dr. Vaibhav Kulshrestha

(Capital Budget Head)

Non-consumable items above 5 Lakh		
Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	COMSOL Multiphysics Software	10.5
Non-consumable items bellow 5 Lakh		
Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	Membrane casting machine	2.0
2	Pumps	2.0
3	Stirrer	1.5

(Consumable Budget Head)

Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	Chemicals	5.0
2	Glassware	1.5
3	Plastic ware	1.5
4	R & D Consumables	7.5
5	Works & Services	0.0
6	Repair & Job work	0.5
7	Cartridge	0.2
8	Gas Cylinders	0.5
9	Software	0.0
10	Electrical and Electronic items	1.0
11	Stationery	0.0
12	Annual maintenance contract	0.0
13	IT related consumables	0.5
14	UPS batteries	0.0
15	Miscellaneous items	2.5

Signature of Divisional Chair/ Project Leader/Sectional Head

18) FBR030403

Project Number: **FBR030403**

Name of the Project Leader: Dr. Subhash Chandra Ghosh

Name of the Division: Marine Natural Products and Biopolymers

Name of the Divisional Chair: Dr. Kamalesh Prasad

The following categories of consumables are likely to be procured during the FY 2026-27.

Consumable Budget Head

S. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	Chemicals	6.0
2	Glass wares	
3	Other consumables (Plastic Ware/Different range LED Photoreaction Light EU/columns)	
4	Replacement of Spare parts of Equipment's	
5	Maintenance of equipment's other than computer	
6	Computer Consumables, IT related consumables	
7	Gas and refilling of gas cylinder	
8	UPS batteries	
9	Miscellaneous items	
	Total	

Date: 27/7/2026



Dr. Subhash C Ghosh
Signature of the Project Leader

19) FBR060404

Project Number: FBR060404

Name of the Project Leader: Dr Uma Chatterjee

Name of the Discipline/Section: EMP (MSST)

Name of Divisional Chair/Section head: Dr Puyam Singh

(Capital Budget Head)

Non- Consumable Items (Above 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1	Current voltage measuring system in a membrane electrode assembly system	1		10.00	August-September, 2026

(Consumable Budget Head)

Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	Chemicals	9.7 lakhs
2	Glassware	
3	Plastic ware	
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	
8	Gas Cylinders	
9	Software	
10	Electrical and Electronic items	
11	Stationery	
12	Annual maintenance contract	
13	IT related consumables	
14	UPS batteries	
15	Miscellaneous items	

Uma Chatterjee

Dr Uma Chatterjee

Signature of Project Leader (**FBR060404**)

20) FTT060603

Project Number: FTT060603

Name of the Project Leader: Dr. Sourish Bhattacharya, Principal Scientist

Name of the Discipline/Section: Applied Phycology and Biotechnology Division (AP&BD)

Name of Divisional Chair/Section head: Dr. Avinash Mishra, Senior Principal Scientist

(Capital Budget Head)

Non- Consumable Items (Above 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs.)**	**Tentative period of Procurement**
1.	Tangential Flow Filtration Unit	01	Indigenous	8,89,000/-	up to 31st March 2027
			Total	8,89,000/-	

Non- Consumable Items (Below 5 lakhs)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs.)**	**Tentative period of Procurement**
1.	Autoclave	01	Indigenous	50,000/-	up to 31st March 2027
2.	Reciprocating water pump (02)	01	Indigenous	30,000/-	up to 31st March 2027
3.	Pulveriser	01	Indigenous	50,000/-	up to 31st March 2027
4.	Automatic powder filling machine	01	Indigenous	2,30,000/-	up to 31st March 2027
5.	Dissolved CO_2 Probe	01	Indigenous	2,00,000/-	up to 31st March 2027
6.	Digital laboratory high speed stirrer	01	Indigenous	21,000/-	up to 31st March 2027
7.	Laboratory hot plate cum stirrer	01	Indigenous	80,000/-	up to 31st March 2027
8.	pH meter	01	Indigenous	50,000/-	up to 31st March 2027
9.	Oil Fillling machine	01	Indigenous	2,00,000/-	up to 31st March 2027
10.	Minor equipment or instruments like portable salinity probe, DO probe, TDS probe, temperature probe, other environmental probes, pH meter, hot plate and bottle cap sealing machine)	01	Indigenous	2,00,000/-	up to 31st March 2027
			Total	9,11,000/-	

(Consumable Budget Head)

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs.)
1	Chemicals	2,00,000/-
2	Glassware	2,00,000/-
3	Plastic ware	1,50,000/-
4	R & D Equipment's parts	0.00/-
5	Works & Services	0.00/-
6	Repair & Job work	2,00,000/-
7	Cartridge	10,000/-
8	Gas Cylinders / Refilling	10,000/-
9	Software (ANSYS server upgradation)	1,00,000/-
10	Electrical and Electronic items	10,000/-
11	Stationery	10,000/-
12	Annual Maintenance Contract	0.00/-
13	IT related consumables	0.00/-
14	UPS batteries	10,000/-
15	Miscellaneous items	0.00/-
	Total	9,00,000/-

Somnath
25/8/2026

Signature of Divisional Chair/ Project Leader/Sectional Head

21) FBR030406

Discovery and Molecular Profiling of High-Value Bioactive and Fluorescent Molecules from Indian Marine Algae (P.C. No. FBR030406)

Annual Procurement Plan 2026-2027

Project No:		FBR030406
PI of the Project		Dr. Lakkakula Satish
S.No.	Budget head (as per the AMS software)	Break-up of the amount (Rs. In Lakhs) under CSIR Projects
A.	T.A. (India)	15,000.00
Total (A)		**15,000.00**
B.	P07 - Chemical/Consumables & Other Research Expenditure	
	(a) Chemicals	70,000.00
	(b) Consumables	55,000.00
	(c) Other Research Expenditures	25,000.00
	(d) Tech HR	2,23,000.00
Total (B)		3,73,000.00
Grand Total (A+B)		**3,88,000.00**

17 Sept 2026

Dr. Lakkakula Satish
Scientist (ID-1701)
PI - FBR030406

22) MMP025303

CSIR-Central Salt and Marine Chemicals Research Institute

(Research Planning Cell)

Annual Procurement Plan-2026-27 (CSIR-Centrally Funded Projects)

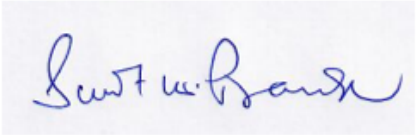
(Capital Budget Head)

Name of the Discipline: MEAD	**Name of Project Investigator: Sumit Kumar Pramanik**
Project Number: MMP-025303	

Non- Consumable Items above 5 Lakh					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1					
2					
3					
4					
5					
6					

Non- Consumable Items Below 5 Lakh					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1	Tube furnace	1	**Indigenous**	3.75	2026
2	Laptop	1	**Indigenous**	0.85	2026
3	Refrigerator	1	**Indigenous**	0.40	2026
4					
5					
6					

(Add Row if needed)



Signature of PI/Project

CSIR-Central Salt and Marine Chemicals Research Institute

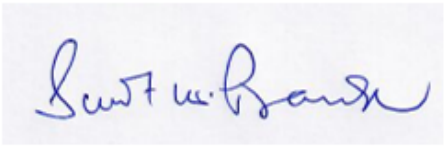
(Research Planning Cell)

Annual Procurement Plan-2026-27 (CSIR-Centrally Funded Projects)

(Consumable Budget Head)

Name of the Discipline: MEAD	**Name of Project Investigator: Sumit Kumar Pramanik**
Project Number: MMP-025303	

Sr. No.	Name of Equipment/ Item	Approximate Cost (Rs. in Lakhs)
1	Chemicals	6.4
2	Glassware	0.10
3	Plastic ware	0.25
4	R & D Equipment's	
5	Works & Services	
6	Repair & Job work	
7	Cartridge	0.25
8	Gas Cylinders	
9	Software	
10	Electrical and Electronic items	
11	Stationery	0.3
12	Annual maintenance contract	
13	IT related consumables	0.2
14	UPS batteries	



Signature of PI/Project

23) HCP002601

(CSIR-Centrally Funded Projects)

(Capital Budget Head)

Name of Project Investigator: Dr. D.R. Chaudhary	**Project Number: HCP002601**

Non- Consumable Items (Add row if required)					
Sr. No.	**Name of Equipment/ Item**	**Quantity (Nos.)**	**Imported/ Indigenous**	**Approximate Cost (Rs. in Lakhs)**	**Tentative period of Procurement**
1	Desktop computer	1	**Indigenous**	1.00	Dec.26-Jan 27
2	Xerox machine	1	**Indigenous**	1.00	Dec.26-Jan 27
4	Printer	1	**Indigenous**	1.00	Dec.26-Jan 27
3	Different minor equipment's	2-3	**Indigenous**	1.50	Dec.26-Jan 27

(Consumable Budget Head)

Consumable Items (Add category and row if required)		
Sr. No.	**Name of Equipment/ Item**	**Approximate Cost (Rs. in Lakhs)**
1	Chemicals	1.50
2	Glassware	0.75
3	Plastic ware	0.75
4	Cartridge	0.50
5	Gas Cylinders	0.20
6	Software	0.50
7	Electrical and Electronic items	0.50
8	Stationery, mementos for school students, kit for students, scientific kit, books	1.50
9	IT related consumables	0.50
10	UPS batteries	0.20



Signature of PI/Project

Note:

- **The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of competent authority.**
- **The procurement of the chemicals & consumables would be based on the need and time to time requirement of the R&D activities of CSIR-CSMCRI**
- **The procurement is subject to the funds availability/release of sufficient grant from CSIR / or funding agency.**
- **The indicated procurement value is an estimate only.**

This is issued with the approval of the competent authority.