CSIR-INDIAN INSTITUTE OF PETROLEUM, DEHRADUN PROCUREMENT PLAN

(Last Updated: 28.11.2025)

Α	FOR THE FINANCIAL YEAR 2025-26		
A(a)	EQUIPMENT		
(i)	Equipment: Out of CSIR Infra Grant (Notional/Divisional/OLP Project)		

Sr. No	Name Category of Equipment/Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In lakh)
1	2 & 3 wheeler EVs	1	5.00
2	2-wheeler petrol vehicle	1	1.50
3	3D scanner - estimated price of 7 lakhs	1	7.00
4	ACE unit	1	150.00
5	Advance Homer software	1	15.00
6	Air Conditioner	1	0.60
7	Air Release Tester	1	20.00
8	Analyser with Nitrogen Chemiluminescence Detector (NCD)		50.00
9	Apparent Viscosity of Grease		50.00
10	ATS furnace	1	9.00
11	Auto potentiometric titrator for RSH analysis	1	28.00

12	Autoclave	2	4.00
13	Automatic A4 size membrane casting machine	1	10.00
14	Automatic cutting and sample Polishing machine	1	5.00
15	Bench top distillation unit (200 ml)	1	30.00
16	MAT Unit	1	12.00
17	Calibrated Capillary Viscometers	30	10.00
18	Ceiling mic etc	3	15.00
19	Centrifuge refrigerated	1	7.00
20	Chemical Storage Cabinets	5	10.00
21	Chiller (upto -35 C)	2	20.00
22	Engine Test Bed	1	15.00
23	CO2/gas injection facility for existing reactor setup	1	16.00
24	Cold Filter Plugging Point Tester	1	40.00
25	Computer Printers	5	1.50
26	Computer workstation	3	60.00
27	Computer/ Workstation for simulation activities.	1	15.00

28	Conductivity Meter	1	5.00
29	Cryo Ball Mill	1	20.00
30	CSTR/ Batch reactor	1	20.00
31	Density meter	1	40.00
32	DHA	1	55.00
33	DI unit	1	30.00
34	Drone – 40 kg load carrying capacity	2	20.00
35	Drum Heater	1	1.00
36	Electronic Balance (0-2000 g)	2	3.00
37	ESD Safe workbenches	2	10.00
38	Experimental Briquetting unit with complete instrumentation and accessories	1	20.00
39	Experimental furnace for coal-biomass pulverized combustion system with instrumentation and accessories	1	30.00
40	Experimental Setup: High-pressure and low-temperature gas mixture freezing point and solubility setup		105.00
41	External Hard Disks	2	0.20
42	Extruder 1		5.00
43	Fabrication of the Hydrogen storage Testing device	1	22.00

44	Feed incubator	1	5.00
45	Fluoroscence spectrophotometer (50% from P-50 and 50% from GAP 0164)	1	9.00
46	Four Ball Wear & EP Tester	1	120.00
47	Fume hood	3	22.00
48	Gas Flow Meter	2	1.50
49	Gas generators for hydrogen	2	10.00
50	Gas generators for nitrogen (0.5-10 lt/min)	6	25.00
51	Gas purification panel	1	1.00
52	Gas Regulators (High pressure/low pressure/BPR etc for gases)	40	30.00
53	GC Refinery Gas Analyser	1	50.00
54	GC-MS	1	72.00
55	GC-RGA (replacement basis)	1	45.00
56	Hard drives	2	0.20
57	Heater for Coke Drum	1	6.00
58	Heating Mantle	3	2.00
59	High Pressure & High Temperature Batch Reactor (Inconel/hastalloy C 276 corrosion resistance)	1	30.00

60	High pressure Batch reactor	1	40.00
61	High pressure fix bed reactor	1	150.00
62	High Shear/spindle Beach Mixer for Drilling fluids	1	2.00
63	High Temp. Valves	10	5.00
64	High temperature feed pump	2	10.00
65	High Vacuum Pump for Solvent Recovery	1	5.00
66	High-Pressure Bench scale Biomass Pyrolysis unit with liquid pumping facility	1	30.00
67	High-pressure gas panels with regulators	4	8.00
68	high-pressure hydrate reservoir mimicking lab-scale setup:	1	13.00
69	Hollow Fiber Membrane Spinning System	1	100.00
70	Hot air gun	2	0.25
71	Hot plate Magnetic stirrer	15+2+3+2	22.00
72	Hot Plates	6+2	4.00
73	HPLC	1	55.00
74	HPLC pump	2	12.00
75	HPLC system with ELSD	1	35.00

76	HPLC with UV/RID detector	1	40.00
77	HT-HP Filter Press/ Fluid Loss Equipment for Drilling fluids	1	10.00
78	Hydraulic jack for motor cycle	2	1.50
79	Incubator shaker	3	24.00
80	Ion chromatography	1	45.00
81	Jacketed Glass Crystallization System for Paraffin/ Micro Wax	1	10.00
82	Jaw Crusher	1	17.00
83	Karl fisher titrator	1	5.00
84	Kinematic Viscosity (-20 Deg C)	1	3.00
85	L3 Core switch	1	42.00
86	Lab scale mini spray dryer	1	15.00
87	Laboratoty Vaccum Pumps	2	1.50
88	Mass flow meter/controller	2	5.00
89	Matlab software	1	22.00
90	Membrane cascade system for gas separation	1	20.00
91	MFC	8	15.00

92	MFCs (3+2 Nitrogen+1+1 Air+ 1 Hydrogen)	8	12.00
93	Mini Mixer, Extruder &Spheronizer	1	15.00
94	Muffle furnace/oven	4	25.00
95	Multi-channel electrochemical workstation (Multi-divisional request)	1	50.00
96	Multiple Gas Analyser (Customised for 1-TPD Pilot plant)	1	37.00
97	MWD XRF	1	40.00
98	Nano Ball bill with cryogenic facility	1	30.00
99	Network Attached Storage (NAS) Device	1	23.00
100	NMR 600 MHz	1	1150.00
101	Office Laptop	2+1+2	3.00
102	Oldershaw-silver plated and insulated distillation column for pyrolysis oil TBP fractionation study	1	10.00
103	Online GC Refinery Gas Analyser	1	55.00
104	Optical tensiometer that measures static and dynamic contact angles, static and semi-dynamic surface/interfacial tension and surface free energy: For EOR studies	1	15.00
105	Origin Perpetual license	2	1.00
106	Oxidation and thermal stability analyser	1	25.00
107	Oxidation stability	1	36.00

108	PCB Prototyping Machine	1	9.00
109	pH and Conductivity meter	1	1.00
110	pH Meter	1	2.00
111	pH meter	1	0.25
112	Plastic Crusher Machine	1	1.50
113	Reactor (1kg)	1	20.00
114	Reactor material	1	8.00
115	Reactor software and control panel upgradation	1	8.00
116	Recirculating Chiller bath	3+1	15.00
117	Refracto Meter	1	1.00
118	Refractometer	1	2.00
119	Rejuvenation of Reforming Rig	1	31.00
120	RO Potable water system	1	0.17
121	Rota Vapour	2	20.00
122	Rotary Vacuum Evaporator with all the accessories	1	3.00
123	Sievert apparatus	1	80.00

124	Silver strip corrosion	1	15.00
125	Solar irradiance meter	1	0.50
126	Solid State Induction Heater with reactor and Accessories	1	30.00
127	Solidworks software or any CAD modeling software - estimated price of 5 lakhs.	1	5.00
128	Sonicator/ultrasonic bath	5	2.00
129	Split tube furnace	1	12.00
130	Synthetic natural gas cylinders	2	1.50
131	Syringe pump	1	5.00
132	Thermal Shock Coolant Control Unit	1	68.50
133	Time-lapse camera for gas hydrate setup	1	1.00
134	Traverse	1	5.00
135	Ultrasonic bath	1	0.25
136	Ultrasonicator	1	0.70
137	Universal testing machine	1	10.00
138	UV Visible fluorescence Spectrophotometer	1	50.00
139	Vacuum filtration assembly	1	0.50

140	Vehicle Tracking Systems	10	5.00
141	Viscometer	1	8.00
142	Viscometer Baths with Cradles	2	12.00
143	Water Distillation Unit (Millipore Unit)	1	4.00
144	Weighing balance (heavy weight)	1	0.35
145	Wetgas flow meter	1	6.00
146	Upgradation of Simapro LCA Software	1	20.00
147	Sphera (previously known as GaBi) LCA Software	1	24.00
148	Gel Document/Imaging System	1	7.00
149	CNG gas cascade	1	9.50
150	Liquid pump	1	5.00

(ii) **Equipment:** Out of CSIR Funded Projects (MLP/FTT etc.)

Sr. No	Name Category of Equipment/Vehicle Item	Quantity (Nos.)	Project Number/Code	Approximate Cost (Rs. In lakh)
1	Ammonia Measurement device	1	Proposed for Mission Mode	40.00
2	Chassis Dynamometer	1	FCP 512402	385.00
3	Components for SCR system	1	Proposed for Mission Mode	10.00
4	Emission Analyser Upgradation (VEL)	1	FCP 512402	30.00
5	Gaseous Emission Measurement System Upgradation	1	FCP 512402	73.00
6	Hydrogen Engine	1	Proposed for Mission Mode	60.00
7	Particulate Measurement System	1	FCP 512402	184.00
8	Upgradation for E85 Compliant Emission Measurement	1	FCP 512402	95.00

(iii) Equipment: Out of Externally Funded Projects (EFP) (GAP/SSP/CNP/CLP)

Sr. No	Name Category of Equipment/Vehicle Item	Quantity (Nos.)	Project Number/Code	Approximate Cost (Rs. In lakh)
1	Biomass Pellet Durability Tester	1	GAP-0151	8.00
2	Biomass Pellet Strength Measurement System	1	GAP-0151	10.00
3	Hammer Mill and Crusher with Cyclone for Biomass size reduction	1	GAP-0151	5.00
4	Workstation	2	SSP-0191	6.00
5	Bomb Calorimeter	1	GAP-0236	50.00
6	CHNS Analyser	1	GAP-0236	120.00

A (b)	CONSUMABLE

Sr. No.	Expected Procurement Value (Rs. In Lakhs)					
INO.	Category	Out of CSIR Infra Grant	Out of CSIR Funded Projects	Out of Externally Funded Project (EFP)	Total (Rs. In Lakhs)	
1	R&D Consumables for closed loop systems (by equipment name eg. Kits for alumina sequencer)	5	10	5	20	
	Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	35	10	5	50	
2	Reference fuels for CFR engines such as ISO Ocatne, N-Heptane, Low Cetane, High Cetane, T-Fuel, U- Fuel, Toluene etc.					
3	Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Fuel for AFLAD facilities Calibration of air flow meter Calibration of fuel flow meter Servicing of TEL equipment Gas-room Servicing: Gas-room overhauling/repairing Servicing and Repair of flow meter (Magnetrol, 50-300 kg/hr) Fabrication and catalytic converter preparation Test-cell Maintenance and spares	43	5	5	53	
4	Glass wares (ex- name the different glass wares)	8.3	5	0	13.3	
5	Plastic wares (ex- Name the different plastic wares)	5	2	0	7	
6	Toner Cartridges.	2	0	0	2	
7	Batteries, etc.	2.6	0	0	2.6	
8	Gases (ex- tentative names) Operational Gases, Mixed Gases for calibration [Helium, Nitrogen, Hydrogen, Zero Air, 10%H2-	23			23	

Maintenance/AMC/repairing 12		Ar mixture, 10%NH3-He mixture]		T		
9 of existing equipment 10 few) [An papers, Pens, Registers, Log books] 11 of two [An papers, Pens, Registers, Log books] 11 of two [An papers, Pens, Registers, Log books] 11 of two [An papers, Pens, Registers, Log books] 11 of two [An papers, Pens, Registers, Log books] 12 of two [An papers, Pens, Registers, Log books] 13 of two [An papers, Pens, Registers, Log books] 14 of two [An papers, Pens, Registers, Log books] 15 of lectric Items (Name the Items required during yea) 16 of the Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer) 17 of Lemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) 18 of Consumables (ex-insecticide, Raw Materials, Dandard and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Seasch, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 19 of Consumables of Consumables, TLC Plates, Eliter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 19 of Sass wares (ex. name the different plassic wares) 19 of The Cartridges. 20 Batteries, etc. 21 Gases (ex. tentative names) 22 of existing equipment 33 stationery items (ex. name a tew) 24 (I'x software-related Items (Name the Items required during year)			12	0	0	12
Stationery Items (ex-name a few) [A4 papers, Pens, Registers, Log books] If // software-related Items (Name the Items required during year) Furniture (Name the Items required during year) Fab. Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequence) Chemicals (ex Name the different chemicals like Solvents, Biochemicals/s, Bio	0		12	0	U	12
10 few [AA papers, Pens, Registers, Log books]	9	of existing equipment				
10 few [AA papers, Pens, Registers, Log books]		Stationery items lay name a				1 5
IT / software-related Items (Name the items required during year) 12 Furniture (Name the items required during year) 13 Electric Items (Name the items required during year) 14 Electric Items (Name the items required during year) 15 Electric Items (Name the items required during year) 16 R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer) 17 Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) 18 Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard arona molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 18 Glass wares (ex- name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 22 fasses (ex-tentative names) 23 Stationery items (ex- name a item) 17 / software-related Items 17 (Name the items required during year)	10					1.5
(Name the items required during year) 12 Furniture (Name the items required during year) 13 Electric Items (Name the items required during year) 14 Electric Items (Name the items required during year) 15 R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer) 16 Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal Teed, Cell Lines, Agriculture accessories, etc.) 17 Indicate the different glass wares) 18 Plastic wares (ex name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex tentative names) 22 Gases (ex tentative names) 23 Stationery items (ex name a few) 24 Maintenance/AMC/repairing of existing equipment 25 Stationery items (ex name a few) 17 / software-related Items (Name the items required during year)	10	rew) [A4 papers, Pens, Registers, Log books]				
(Name the items required during year) 12 Furniture (Name the items required during year) 13 Electric Items (Name the items required during year) 14 Electric Items (Name the items required during year) 15 R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer) 16 Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal Teed, Cell Lines, Agriculture accessories, etc.) 17 Indicate the different glass wares) 18 Plastic wares (ex name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex tentative names) 22 Gases (ex tentative names) 23 Stationery items (ex name a few) 24 Maintenance/AMC/repairing of existing equipment 25 Stationery items (ex name a few) 17 / software-related Items (Name the items required during year)		IT / software related Items	16			16
furniture (Name the items required during year) Furniture (Name the items required during year) Flectric Items (Name the items required during year) R&D Consumables for closed loop systems (by equipment name eg. Kits for illumina sequencer) Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex. Name the different glass wares) Plastic wares (ex. Name the different plastic wares) Plastic wares (ex. Name the different plastic wares) Toner Cartridges. Diagnosis wares (ex. name the different plastic wares) Maintenance/AMC/repairing		•	10			10
Furniture (Name the items required during year) Electric items (Name the items required during year) Electric items (Name the items required during year) R&D Consumables for closed loop systems (by equipment name eg. Kits for illumina sequencer) Chemicals (ex. Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Plastic wares (ex- name the different plasts wares) All Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a lew) Maintenance/AMC/repairing of existing equipment						
12 required during year	11	during year)				
12 required during year		- · · · · · · · · · · · · · · · · · · ·				
Electric Items (Name the Items required during yea) R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer) Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) Plastic wares (ex- Name the different plastic wares) Toner Cartridges. Diagnostic wares (ex- Name the Maintenance) Maintenance/AMC/repairing of existing equipment Maintenance/AMC/repairing of existing equipment Ela Stationery items (ex- name a few) It / software-related Items (Name the items required during year)	12	· · · · · · · · · · · · · · · · · · ·				
R&D Consumables for closed loop systems (by equipment name eg. Kits for illumina sequencer) Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syrings, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) Toner Cartridges. Batteries, etc. Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a few) Tif y software-related Items (Name the Items required during year)	12	required during year)				
R&D Consumables for closed loop systems (by equipment name eg. Kits for illumina sequencer) Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syrings, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) Toner Cartridges. Batteries, etc. Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a few) Tif y software-related Items (Name the Items required during year)		El				4
R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer) Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Boracking Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex-name the different glass wares) Plastic wares (ex-name the different plastic wares) Plastic wares (ex-Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex-tentative names) 22 discontant for the planting of existing equipment Stationery items (ex-name a few) IT / software-related Items (Name the items required during year)	12	,	1			1
equipment name eg. Kits for Illumina sequencer) Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different plastic wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 22 of existing equipment 33 few) 17 software-related Items (Name the items required during year)	13	items required during yea				
equipment name eg. Kits for Illumina sequencer) Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different plastic wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 22 of existing equipment 33 few) 17 software-related Items (Name the items required during year)		2020				
Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) Other Consumables (ex-insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 10 Glass wares (ex- name the different glass wares) 11 different glass wares) 12 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 22 of existing equipment 23 few) 17 software-related Items (Name the items required during year)						
Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Sequencing, Oligonucleotides, etc.) Other Consumables (exInsecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Alimal feed, Cell Lines, Animal feed, Cell Lines, Alimal feed, Cell Line		equipment name eg. Kits for Illumina				
like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex-name the different plastic wares) 17 different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex-tentative names) Maintenance/AMC/repairing of existing equipment Stationery items (ex-name a few) IT / software-related Items (Name the items required during year)	14	sequencer)				
like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex-name the different plastic wares) 17 different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex-tentative names) Maintenance/AMC/repairing of existing equipment Stationery items (ex-name a few) IT / software-related Items (Name the items required during year)						
15 Oligonucleotides, etc.) Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex-name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex-tentative names) 22 of existing equipment 17 Joftware-related Items (Name the items required during year)		Chemicals (ex Name the different chemicals				
15 Oligonucleotides, etc.) Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex-name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex-tentative names) 22 of existing equipment 17 Joftware-related Items (Name the items required during year)		like Solvents, Biochemical/s, Biochemical kits &				
Other Consumables (ex-insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 17 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a few) It / software-related Items (Name the items required during year)						
Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a few) IT / software-related Items (Name the items required during year)	15					
Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 11 Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment 12 Stationery items (ex- name a few) IT / software-related items (Name the items required during year)	13	Oligoriacieotiaes, etc.)				
Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 11 Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment 12 Stationery items (ex- name a few) IT / software-related items (Name the items required during year)		Other Consumables (ex-Insecticide Raw				
Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a few) IT / software-related Items (Name the items required during year)						
Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 16 Glass wares (ex-name the different glass wares) 17 Jastic wares (ex-Name the different plastic wares) 18 different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex-tentative names) 22 of existing equipment 23 Stationery items (ex-name a few) 17 / software-related items (Name the items required during year)		,				
Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) Toner Cartridges. Batteries, etc. Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment Tr / software-related Items (Name the items required during year)						
Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 17 different glass wares) Plastic wares (ex- name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 33 diameter of existing equipment 24 uring year) Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting						
Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges.		Metagenome Analysis,				
Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex-name the different glass wares) Plastic wares (ex-Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex-tentative names) Maintenance/AMC/repairing of existing equipment 23 few) IT / software-related items (Name the items required during year)		Metabolites analyses, Farm				
materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 16 Agriculture accessories, etc.) 17 different glass wares) 18 different plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 22 Maintenance/AMC/repairing of existing equipment 23 Stationery items (ex- name a few) 17 / software-related Items (Name the items required during year)		Consumables, TLC Plates,				
materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 16 Agriculture accessories, etc.) 17 different glass wares) 18 different plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 22 Maintenance/AMC/repairing of existing equipment 23 Stationery items (ex- name a few) 17 / software-related Items (Name the items required during year)		Filter papers, Planting				
standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) 16 Agriculture accessories, etc.) 17 different glass wares) 18 different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 22 Maintenance/AMC/repairing of existing equipment 23 few) 17 / software-related Items (Name the items required during year)						
Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) Toner Cartridges. Batteries, etc. Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment Tr/ software-related Items (Name the items required during year) Agriculture accessories, etc.						
Animal feed, Cell Lines, Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 19 Batteries, etc. 20 Batteries, etc. 21 Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a few) IT / software-related Items (Name the items required during year)						
Agriculture accessories, etc.) Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a few) IT / software-related Items (Name the items required during year)		•				
Glass wares (ex- name the different glass wares) Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc.	16					
17 different glass wares) <	10	Agriculture accessories, etc.)				
17 different glass wares) <		Class wares (sw. name the				
Plastic wares (ex- Name the different plastic wares) 19 Toner Cartridges. 20 Batteries, etc. 21 Gases (ex- tentative names) 22 Maintenance/AMC/repairing of existing equipment Stationery items (ex- name a few) IT / software-related Items (Name the items required during year)	17	-				
18 different plastic wares)	1/	different glass wares)				
18 different plastic wares)		Disable was as few News 11				
19 Toner Cartridges	10					
20 Batteries, etc	18	different plastic wares)				
20 Batteries, etc		T. 0.111		-		
21 Gases (ex- tentative names)	19	ioner Cartridges.				
21 Gases (ex- tentative names)						
Maintenance/AMC/repairing of existing equipment	20	Batteries, etc.				
Maintenance/AMC/repairing of existing equipment						
Maintenance/AMC/repairing of existing equipment	21	Gases (ex- tentative names)				
22 of existing equipment Stationery items (ex- name a few) IT / software-related Items (Name the items required during year)						
22 of existing equipment Stationery items (ex- name a few) IT / software-related Items (Name the items required during year)		Maintenance/AMC/repairing				
Stationery items (ex- name a few)	22					
23 few) IT / software-related Items		or existing equipment				
23 few) IT / software-related Items		Stationery items (ex- name a				
IT / software-related Items 24 during year)	23				-	
24 (Name the items required during year)		i Cvv j				
24 (Name the items required during year)		IT / software-related Items				
24 during year)					_ 	
	24					
25 Furniture (Name the items	24	auring year)				
25 rui iliture (ivame the items	25	Furniture (Name the items		+		
	25	runnture (Name the Items				
				<u> </u>		

	required during year)				
26	Electric Items (Name the items required during yea				
27	R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer)	5	5	5	15
28	Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	1	1	1	3
29	Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.)	12	5	3	20
30	Glass wares (ex- name the different glass wares)				
31	Plastic wares (ex- Name the different plastic wares)				
32	Toner Cartridges.	1			1
33	Batteries, etc.				
34	Gases (ex- tentative names)	5	3	2	10
35	Maintenance/AMC/repairing of existing equipment	3	2	2	7
36	Stationery items (ex- name a few)	0.2			0.2
37	IT / software-related Items (Name the items required during year)	0.1 LAN cables			0.1
	Furniture (Name the items required during year)	20 Lab	1 Chair	1 Chair	22
38		Lab furniture	Chair	Chair	
39	Electric Items (Name the items required during yea				
40	R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer)	20			20
41	Chemicals (ex Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing,	20			20

	Oligonucleotides, etc.)				
42	Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.)	10	-	-	10
43	Glass wares (ex- name the different glass wares)	3	-	-	3
44	Plastic wares (ex- Name the different plastic wares)	3	-	-	2
45	Toner Cartridges.	3	-	-	2
46	Batteries, etc.	3	-	-	2
47	Gases (ex-tentative names)	6	-	-	6
48	Maintenance/AMC/repairing of existing equipment	20	-	-	20
49	Stationery items (ex- name a few)	1	-	-	1
50	IT / software-related Items (Name the items required during year)	1	-	-	1
51	Furniture (Name the items required during year)	6	-	-	6
52	Electric Items (Name the items required during yea	-	-	-	-

Note:

- The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of the Competent Authority.
- The procurement of the chemicals & consumables would be based on the need and ongoing requirement of R&D activities of Lab/Instt.
- The procurement is subject to the fund's availability/release of sufficient grant from CSIR / funding agency.
- The indicated procurement value is an estimate only.