

Updated on 01.05.2024

[CSIR-NML, Jamshedpur]
PROCUREMENT PLAN*

(*Please read the note given at the end)

A FOR THE FINANCIAL YEAR 2024-25

A (a) EQUIPMENT

(i) Equipment: Out of CSIR Infra Grant

Sr. No.	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1	Multifunction, Monochrome laser printer	01	0.25
2	Desktop Computer with Monitor	01	0.75

(ii) Equipment: Out of CSIR Funded Projects

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
1	Atomic Absorption/UV-Vis Spectrophotometer	1	HCP-54-WP-14	15
2	Vacuum filtration setup	1	HCP-54-WP-14	0.5
3	Multi position magnetic stirrer	1	HCP-54-WP-14	1.5
4	Printer cum scanner	1	HCP-54-WP-14	0.2
5	Headset for PC	1	HCP-54-WP-14	0.05
6	Ar gas cylinder regulator	1	HCP-54-WP-14	0.05
7	Furnace	1	HCP-54-WP-14	14
8	Weighing balance	1	HCP-54-WP-14	2
9	Planetary ball mill	1	HCP-54-WP-14	18
10	Large size muffle, salt bath furnace and any other data acquisition system	1	MLP---- (FTT Project approved, 2024-26)	15
11	Electrolyzer cell 3.5 x3.5	01 Nos	NWP 100	1.5
12	Hot-air OVEN	01 Nos	NWP 100	1
13	Electric Blower 50 1ph Mild Steel Material : Mild Steel Voltage : 230 V Frequency : 50 Hz Phase : Single Phase Type of Product : Electric Blower	02 Nos	NWP 100	0.11
14	Professional Angle Grinder 125mm	01 Nos	NWP 100	0.085

15	Angle Grinder 100mm Power : 650-900 W	01 Nos	NWP 100	0.055
16	Manual portable Welding machine 180-220A	01 Nos	NWP 100	0.21
17	Manual Brazing machine 180-200A	01 Nos	NWP 100	0.8
18	Heavy Duty Bench Top Cut of Saw 14-24 J Professional	01 Nos	NWP 100	0.22
19	Plasma Cutting Machine AC415V+10%Input Capacity: 20-25 KVA Current Adjust Range: 40-115A Thickness : <40mm	01 Nos	NWP 100	0.9
20	Electric Blower 70 1ph / 3ph Mild Steel Material : Mild Steel Voltage : 230 V Frequency : 50 Hz, Single Phase, Electric Blower	01 Nos	NWP 100	0.17
21	High performance Desktop PC with Minimum Specs: Multi core processor,ROM,-1TB SSD RAM -16- 32GB, Dedicated Graphics 8-10 GB	04 Nos	NWP 100	4.5
22	high resolution projection with audio visual system	01 Nos	NWP 100	1.5
23	High performance workstation	01 Nos	NWP 100	6
24	Zirconia jar 250 ml with steel jacket	01 Nos	NWP 100	1.75
25	Latest Auto Cad Software for 2D and 3D design and drafting	04 Nos	HCP 101	4.5
26	Desktop	02 Nos	HCP 101	1.5
27	Working (max) 900 ° C . MFC for individual gases temp .	One Unit	FBR080307	8
28	Equipment sub assembly like melt holders , mechanical fixtures for nitriding furnace	As per visit requirements	FBR080307	1
29	Industrial Computer, Display Monitor	As per requirement	HCP 0042	2
30	Working temp. (max) 600°C. Temp. uniformity ~ ±5°C	One Unit	NCP080301	9
31	Sieving of different sized metallic powders	One Unit	NCP080301	1
32	Workstation, Display Monitor	As per requirement	HCP 0042	2
33	REP. OF DRIVER CARD(16100274), INVERTER CARD(16100270), CONVERTER CARD(16100267),SENSING TRANSFORMER 17-0-17 415V FOR 10 KVA Online UPS	1 Each	OLP 9001	0.25
34	Dual Type Manifold 95/8" BSP left and right connection and installation	1	OLP 9001	0.5
35	FLAT pan Electronic Laboratory Balance	1	OLP 9001	0.2
36	REP. OF DRIVER CARD(16100274), INVERTER CARD(16100270), CONVERTER CARD(16100267),SENSING TRANSFORMER 17-0-17 415V FOR 10 KVA Online UPS	80 Nos	OLP 9001 (EXTENDED)	0.25
37	Dual Type Manifold 95/8" BSP left and right connection and installation	1	OLP 9001 (EXTENDED)	0.5
38	FLAT pan Electronic Laboratory Balance	500ml	OLP 9001 (EXTENDED)	0.2

(iii) Equipment: Out of Externally Funded Projects (EFP)

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
1	Cutter Machine spare parts	1	GAP 0310	0.04
2	Various sizes/dia-10mm,6mm	30 Mtr	GAP 0310	0.1
3	Alumina, Graphite, Quartz various sizes/ vol	1	GAP 0310	0.8
4	Screw driver set, Spanner set, Allen key set, Slide wrench-12 inch, single screw driver-12inch, plier	1	GAP 0310	0.2
5	Exhaust Fan equipment/spare parts	18 inch	GAP 0310	0.05
6	SS valve equipment/spare parts	Od-54.7mm Id-41.26mm Id''-36.00mm	GAP 0310	0.5
7	TIG/electric welding/repairing jobs requirement	1 No	GAP 0310	0.2
8	Vacuum Pump	1 No	GAP 0310	0.07
9	Maintenance activities	1 No	GAP 0310	0.015
10	Maintenance activities	1 No	GAP 0310	0.03
11	As per customized design and technical specifications consisting of vacuum charge bin/melt chamber/vaporization chamber/connector/ *tender mode procurement	1	GAP 0310	5
12	Vacuum system	3 Nos	GAP 0310	0.2
13	Reputed make/customised 0-1014 mbar	10	GAP 0310	1
14	Reputed make/cutomised	3	GAP 0310	0.8
15	Customised/ reputed make	10	GAP 0310	0.5
16	Customised tubes for thermocouples	20	GAP 0310	0.7
17	Office/lab furniture	2	GAP 0310	0.5
18	Acrylic Drum of Capacity 50 Ltrs both side closed with collection nozzle anad water displacement arrangement,Lower Vent for Final water displacement,Moisture trap for argon gas clining.	02 set	GAP 0310	1.5
19	Vacuum Desiccator	1 no.	SSP 1404	0.5
20	Visitor Chair	2 nos.	SSP 1404	0.1
21	Almirah	1 no.	SSP 1404	0.2
22	Executive Table	1 no.	SSP 1404	0.3

23	Spare: Magnet Power supply, Lakeshore USA. Model 643	One Unit	GAP 0303	34
24	Vernier calliper	1 Nos	GAP 0303	0.15
25	Table, Lab Chair, High Chair for Experimentation	As per requirement	SSP 1387	0.3
26	Customized equipment development	As per requirement	CLP 0223	7
27	Laser Source for Lock-in Thermography	1	GAP 0302	20
28	pH-meter	01 No.	GAP 0312	1.5
29	Hydrometer for density measurement	10 Nos.	GAP 0312	0.45

*Annual Procurement plan as on 01.05.2024

A (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)			
		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 (WXDRF Instrument (Model: S8 Tiger, Sl. No: 205951, Spare Parts for Direct Mercury Analyser model DMA 80 evo, LECO Spare Parts for LECO TGA 701 & AF700, X-RAY Fluorescence, XRF S8 Tiger etc)	60.52	135.157	46.44	242.117
2	Chemicals (exHCl, H2SO4, Acetone ,paraffin, Ethanol, Methanol etc.)	Nil	135.325	22.575	157.9
3	Other Consumables (ex-Insecticide, Raw Materials, Packing Material, Chemical standards etc.)	15.69	6.11	1.694	23.494
4	Glass wares (flasks, measuring jars, chemistry lab requirements)	Nil	17.73	4.96	22.69
5	Plastic wares i.e. bottles, flasks etc)	Nil	2.26	1.318	3.578
6	Toner Cartridges, IT consumables i.e. key board, USB, toners, pen drives etc.	Nil	6.94	4.97	11.91
8	Gases (Refilling of gases i.e. Argon, O2, Helium etc.)	35	78.85	1.95	115.8
9	Maintenance/AMC/repairing of existing equipment	Nil	8.1	2.2	10.3
10	Stationery items (paper, pen, towel, cotton duster, stapler, punching machine,)	Nil	11.15	3.585	14.735
13	Electric Items (for maintenance of equipment)	Nil	7	3.67	10.67
14	Safety items (Masks, Gloves, shoes, aprons)	Nil	0.25	1.52	1.77

B	FOR NEXT 2-4 FINANCIAL YEARS (2025-29) (From 01/04/2025 to 31/03/2029)
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B (a)	EQUIPMENT
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Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
	Nil	Nil	Nil

B (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (by equipment name)	Nil
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	Nil
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.)	Nil
4	Glass wares (ex- name the different glass wares)	Nil
5	Plastic wares (ex- Name the different plastic wares)	Nil
6	Toner Cartridges.	Nil
7	Batteries, etc.	Nil
8	Gases (ex- tentative names)	Nil
9	Maintenance/AMC/repairing of existing equipment	Nil
10	Stationery items (ex- name a few)	Nil
11	IT / software-related Items (Name the items required during year)	Nil
12	Furniture (Name the items required during year)	Nil
13	Electric Items (Name the items required during year)	Nil

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.
- Annual Procurement plan as on 01.05.2024