



**Council of Scientific & Industrial Research (CSIR)**  
**CSIR Integrated Skill Initiative - Phase II (2020-2025)**

# ANNUAL REPORT

## (FY 2023-24)



**CSIR Integrated Skill Initiative**

**Skill Nodal Office**  
CSIR – Human Resource Development Centre (HRDC),  
Ghaziabad

**July, 2024**

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## 1. Overview of the CSIR Integrated Skill Initiative Programme

The Council of Scientific & Industrial Research (CSIR) has been contributing significantly to the progress of Scientific and Technological development in the country, apart from making modest contributions to developing high-quality human resources in trans-disciplinary areas. Several CSIR labs are engaged in conducting industry-oriented training/ skilling programmes that have been well accepted by users. In tune with the Government Policy, CSIR, in its Platinum Jubilee Year, mounted a major programme – *CSIR Integrated Skill Initiative* at various levels across different CSIR laboratories. The programme was launched by the then Hon'ble Minister of Science & Technology and Earth Sciences and Vice President, CSIR Dr. Harsh Vardhan, on September 23, 2016, which covers different domains of industrial/service sectors. The launched skill programmes of various levels have catered to a diverse cross-section of people, beginning with School dropouts to Farmers to ITI diploma holders to graduates. CSIR has taken the skill/training program as a great opportunity to extend its technical expertise for the benefit of society.

The aim of this unique programme is to equip young minds with the necessary technological skills through exposure to research laboratories at the national level that address the technical skill gap created by the enormous usage of advanced technology. The purpose of this programme is to encapsulate all CSIR skill-based training under one roof to cater to a diverse cross-section of people at various levels, beginning from school dropouts to farmers to ITI/ Diploma holders to graduates.

The formal commencement of the programme started in the year 2018 with a budget sanction of Rs.3984 lakhs for two years, which was completed in March 2020. The measurable outcome of this Initiative during 2018-20 was around 63000 trained manpower through 2200 trainings across various sectors and disciplines of scientific topics Pan India. The Second Phase of **CSIR Integrated Skill Initiative - Phase II** started in the month of April 2020 and will continue till March 2025; commenced in April 2020, and so far completed around **2400** programs with approximately **1.12 lakh** trained manpower.

**CSIR-Human Resource Development Centre (HRDC), Ghaziabad** has been entrusted the responsibility of facilitation, monitoring and evaluation of the Programme as the Nodal Office. CSIR-HRDC has been signing a collaborative Memorandum of Understands (MoUs) with individual Sector Skill Councils (SSC) to widen its technical contribution and smoothen the affiliation process.

**Participating CSIR Labs in CSIR Integrated Skill Initiative - Phase II (2020-25):** CSIR-CCMB, Hyderabad - CSIR-CDRI, Lucknow - CSIR-CFTRI, Mysuru - CSIR-CIMAP, Lucknow - CSIR-IGIB, New Delhi - CSIR-IHBT, Palampur - CSIR-IICB, Kolkata - CSIR-IIIM, Jammu - CSIR-IMTECH, Chandigarh - CSIR-IITR, Lucknow - CSIR-NBRI, Lucknow - CSIR-CLRI, Chennai - CSIR-CECRI, Karaikudi - CSIR-CSMCRI, Bhavnagar - CSIR-CIMFR, Dhanbad - CSIR-IICT, Hyderabad - CSIR-IIP, Dehradun - CSIR-NCL, Pune - CSIR-NEIST, Jorhat - CSIR-NIIST, Thiruvananthapuram - CSIR-AMPRI, Bhopal - CSIR-CBRI, Roorkee - CSIR-CGCRI, Kolkata - CSIR-CMERI, Durgapur - CSIR-CRRI, New Delhi - CSIR-IMMT, Bhubaneswar - CSIR-NAL, Bengaluru - CSIR-NML, Jamshedpur - CSIR-NEERI, Nagpur - CSIR-SERC, Chennai - CSIR-NIScPR, New Delhi - CSIR-4PI, Bengaluru - CSIR-CSIO, Chandigarh - CSIR-CEERI, Pilani - CSIR-NGRI, Hyderabad - CSIR-NIO, Goa - CSIR-NPL, New Delhi **(37 nos.)**

## 2. Executive Summary

The CSIR Integrated Skill Initiative took a quantum-jump in the years 2023-2024 by transforming the Programmes from mere delivery to a value-added service. Taking further the discussion held in the 1st Conclave held at GOA last year, the Skill Nodal Office (SNO) at HRDC organized a Capacity Building Program on “Drafting a new course module in the form of Qualification, National Occupational Standard(NOS) or Micro-Credential” with technical support from Sector Skill Councils (SSCs). SDP Nodal from all CSIR labs attended and benefited from this program. SDP Nodal at CSIR Labs was suggested to conduct more NSQC-aligned programs to achieve measurable results. Accordingly, Scientists from various labs started drafting new modules during the reporting period, and a few such modules are under finalization with concerned SSCs. The First such module on Semiconductor Technology was approved by M/s National Council for Vocational Education and Training (NCVET) and was drafted by M/s CEERI, Pilani, in collaboration with the Electronics Sector Skills Council of India (ESSCI).

The SNO published a comprehensive Brochure on the Initiative and made a wide circulation amongst all Sector Skill Councils (SSC), Government Departments, all CSIR labs, and Students. The SNO has also commenced publication of a Newsletter, “CSIR Skill Bulletin,” covering various skill achievements under the Initiative, general skill news, News clippings, etc. The SNO also participated in the FICCI Global Skills Summit 2023 and interacted with industry representatives/students. Moreover, the Initiative was allotted a separate Stall during CSIR Foundation Day 2023, wherein SNO showcased various activities to the dignitaries & interacted with students. The SNO also organized a one-day workshop on “How to write a winning research proposal” during the reporting period for the benefit of Project Associates/ research scholars from various CSIR laboratories.

Major milestones reached during the period were the signing of collaborative MOUs between CSIR-HRDC and four SSCs, namely the Agriculture Sector Skill Council of India (ASCI), Capital Goods & Strategic Skill Council (CGSSC), Hydrocarbon Sector Skill Council (HSSC), and Life Sciences Sector Skill Development Council (LSC).

CSIR labs trained **28,758** number of trainees through **772** number of skilling /reskilling training programmes during the year 2023-24 with an average feedback rating of **89.68%** and **59.66%** of employment generation.

The skill development programmes conducted by CSIR labs during the report period took a marginal increase as compared to last year as given below

2023-2024					
Particulars	No. of Skill Development Programs	No. of Trainees	Expenditure	Feedback	Employment Generation
Percentile increase from last year	9.04%	21.90%	10.00%	1.43%	7.97%



### 3. Milestones Reached during 2023-24

#### (i) Programmes Conducted

CSIR labs trained **28,758** trainees through 772 skilling /reskilling training programs during the year 2023-24 with an average feedback rating of **89.68%** and **59.66%** of employment generation.

S.No	Lab Name	Number of Programmes	Number of Trainees	Overall Feedback Rating Average (in %)	Employment Generated (in %)
1.	CSIR-CCMB	15	299	90.07	-
2.	CSIR-CDRI	10	360	86.80	-
3.	CSIR-CFTRI	45	1071	97.00	-
4.	CSIR-CIMAP	11	359	92.00	41.00
5.	CSIR-IGIB	1	7	70.00	29.00
6.	CSIR-IHBT	15	450	87.45	-
7.	CSIR-IICB	52	406	89.18	-
8.	CSIR-IIIM	30	2801	98.00	-
9.	CSIR-IMTECH	28	418	90.16	-
10.	CSIR-IITR	12	291	92.00	-
11.	CSIR-NBRI	16	817	94.00	56.00
12.	CSIR-CLRI	65	3117	94.00	97.00
13.	CSIR-CECRI	25	1030	87.14	-
14.	CSIR-CSMCRI	20	678	75.00	-
15.	CSIR-CIMFR	6	239	92.00	30.00
16.	CSIR-IICT	18	1354	92.66	68.33
17.	CSIR-IIP	7	84	91.36	-
18.	CSIR-NCL	15	152	100.00	18.00
19.	CSIR-NEIST	11	282	79.55	70.50
20.	CSIR-NIIST	21	1077	93.70	-
21.	CSIR-AMPRI	52	619	83.37	-
22.	CSIR-CBRI	20	784	88.61	-
23.	CSIR-CGCRI	32	802	95.67	-
24.	CSIR-CMERI	38	855	92.07	66.25
25.	CSIR-CRRI	21	1559	95.00	84.29
26.	CSIR-IMMT	13	2472	-	-
27.	CSIR-NAL	7	177	-	47.36

28.	<b>CSIR-NML</b>	32	648	89.00	58.00
29.	<b>CSIR-NEERI</b>	17	613	91.28	-
30.	<b>CSIR-SERC</b>	12	222	85.01	-
31.	<b>CSIR-NIScPR</b>	3	93	90.59	-
32.	<b>CSIR-4PI</b>	5	341	87.92	-
33.	<b>CSIR-CSIO</b>	35	2368	-	95.00
34.	<b>CSIR-CEERI</b>	23	833	94.07	-
35.	<b>CSIR-NGRI</b>	8	179	89.25	-
36.	<b>CSIR-NIO</b>	8	416	86.49	74.50
37.	<b>CSIR-NPL</b>	23	485	88.70	-
<b>GRAND TOTAL =</b>		<b>772</b>	<b>28758</b>	<b>89.68</b>	<b>59.66</b>

**Customer Satisfaction Score (CSAT) = 89.68%**

**Employability Generated = 59.66%**

**(ii) Infrastructure/ Facility created**

S.NO	LABS	NAME/TYPE OF FACILITY	SECTOR/ DISCIPLINE	CURRENT STATUS (COMPLETED/ PROGRESSING)	PURPOSE OF FACILITY	EXPENDITURE (RS. IN LAKHS)
1	CSIR-CCMB	NIL	-	-	-	-
2	CSIR-CDRI	NIL	-	-	-	-
3	CSIR-CFTRI	NIL	-	-	-	-
4	CSIR-CIMAP	NIL	-	-	-	-
5	CSIR-IGIB	NIL	-	-	-	-
6	CSIR-IHBT	Upgradation of classroom (By adding some furniture)	-	Completed	Classroom for trainees	2.100
7	CSIR-IICB	NIL	-	-	-	-
8	CSIR-IIIM	NIL	-	-	-	-
9	CSIR-IMTECH	NIL	-	-	-	-
10	CSIR-IITR	NIL	-	-	-	-
11	CSIR-NBRI	NIL	-	-	-	-
12	CSIR-CLRI	Replacement of damaged steel/wooden windows with UPVC windows	Leather, Leather Products and Allied Sciences	Progressing	Skill Training	33.395
		Civil & Electrical works at new CATERS Building & SPDC (GAIT Analysis Laboratory) Building eastern wing in CSIR-CLRI, Adyar, Chennai - 600020	-	Progressing	Skill Training	8.605
13	CSIR-CECRI	Trainees Hostel	Resident Hostel for stay	Completed & already in use	To accommodate trainees	15.000
		Photolithography for microfabrication	Physical Sciences	Completed & already in use	Research Training	20.000
14	CSIR-CSMCRI	Renovation of laboratory area	Salt & Marine Chemicals	Work in progress	To be used for practical trainings for the participants	1.410
15	CSIR-CIMFR	Renovation of Training Hall	Multi-Disciplinary	Completed	To facilitate training in the field of IT and its application in various mining and fuel related skill development programs	1.334
16	CSIR-IICT	NIL	-	-	-	-

17	CSIR-IIP	NIL	-	-	-	-
18	CSIR-NCL	NIL	-	-	-	-
19	CSIR-NEIST	NIL	-	-	-	-
20	CSIR-NIIST	Classroom cabins and furniture	General	Completed	Classroom for conducting skill courses	3.500
21	CSIR-AMPRI	NIL	-	-	-	-
22	CSIR-CBRI	NIL	-	-	-	-
23	CSIR-CGCRI	NIL	-	-	-	-
24	CSIR-CMERI	NIL	-	-	-	-
25	CSIR-CRRI	NIL	-	-	-	-
26	CSIR-IMMT	NIL	-	-	-	-
27	CSIR-NAL	Various Software	Aerospace CNC Programmer & Aerospace CNC Machinist	Installation Completed	To Train students in CNC program validation of toll path	7.400
28	CSIR-NML	NIL	-	-	-	-
29	CSIR-NEERI	NIL	-	-	-	-
30	CSIR-SERC	NIL	-	-	-	-
31	CSIR-NIScPR	NIL	-	-	-	-
32	CSIR-4PI	NIL	-	-	-	-
33	CSIR-CSIO	NIL	-	-	-	-
34	CSIR-CEERI	IoT Training Lab	Electronics and Allied engineering	Completed	To train participants in the field of Industrial IoT	2.790
35	CSIR-NGRI	NIL	-	-	-	-
36	CSIR-NIO	Revamping and Upgradation of existing Green house	-	Completed (currently under usage)	To Conduct experiments on utilization of fishery waste	0.950
		Skill Development center 10×3.4 LED Board	Skill development facility	Completed (currently under usage)	Skill development	0.413
37	CSIR-NPL	Balances and Weight Boxes	Skill Development	Used for mass related training	Research and Training	5.700
		Microprocessors, PID Controllers, connectors, electronic components and fabrication of electronic circuits and controllers.	Skill Development	Used for training	Research and Training	0.600
		CCD Camera	Skill Development	Used for dimension related training	Research and Training	2.000

		Environment Monitoring Systems (Temperature sensors, air pressure sensors, humidity sensors with digital/analog display etc.)	Skill Development	Used for environmental monitoring	Research and Training	3.300
					<b>Grand Total (Rs. in lakhs)=</b>	<b>108.497</b>

### (iii) Equipment Acquired

S.NO	NAME OF LAB	NAME OF EQUIPMENT	SECTOR/ DISCIPLINE	CURRENT STATUS(WHETHER INSTALLED)	PURPOSE OF EQUIPMENT	EXPENDITURE (RS. IN LAKHS)
1	CSIR-CCMB	Bosh Corded Small Angle Grinders	Laboratory	YES	For grinding the hard tissues	0.033
		Thermo fisher Variable Volume Single Channel Micropipette		YES	For dispensing small volumes of reagents	0.080
		Vertical Electrophoresis system ,with accessories, Mini Trans Blot unit and Basic Power Supply		YES	For the separation of nucleic acids (DNA or RNA) and proteins based on their size	1.807
		Multifunction Colour Printer		YES	For printing the training related documents	0.732
		Autoclave		YES	For sterilization purpose	2.159
		Qnap Network Attached Storage (NAS) Device, and accessories		YES	For storing and analyzing the data	1.727
2	CSIR-CDRI	NIL	-	-	-	-
3	CSIR-CFTRI	Planetary Mixers	Food Processing	Installed and operational	Planetary mixers are the essential requirement of the baking labs. These mixers contains three blades, which helps in the mixing of bread, biscuit dough and cake batter. Two 10 liters capacity and one 20-liter capacity mixers were procured thereby strengthening the bakery machinery requirement of the lab.	2.720

		Twist Grain pro-smart moisture meter		Installed and operational	The devices give quick and accurate moisture measurement without causing any damage to the food products.	0.670
		Portable handheld grain moisture meter		Installed and operational	Purchased for checking moistures in various products from grains and fruits & vegetables	0.500
		Moisture Analyser		Installed and operational	For demonstrative fruit juice production. This will be used for separating solids and liquids in two or more phases of different densities	1.300
		Tubular Bowl Centrifuge				6.020
4	CSIR-CIMAP	NIL	-	-	-	-
5	CSIR-IGIB	NIL	-	-	-	-
6	CSIR-IHBT	NIL	-	-	-	-
7	CSIR-IICB	NIL	-	-	-	-
8	CSIR-IIIM	NIL	-	-	-	-
9	CSIR-IMTECH	NIL	-	-	-	-
10	CSIR-IITR	Colour Printer with ADF	Life Sciences	Installed	For Printing related to Skill Development Program	0.500
		Horizontal Agarose Gel Electrophoresis Unit	Life Sciences	Installed	For Molecular Biology experiments /course/workshop	1.677
11	CSIR-NBRI	NIL	-	-	-	-
12	CSIR-CLRI	Multifunction Machines MFM	Leather, Leather Products and Allied Sciences	Yes	Support conductance of SDP	35.000
		Hydrothermal Autoclave Reactor, Capacity 50ml, 200 ml				
		Magnetic Stirrers				
		Refrigerated Centrifuge for General and Research Purpose				
		Muffle Furnace				
		Multiwell plates for tissue culture				
		Rotary Evaporator				
		Water Baths				

		Non-Refrigerated Centrifuge for General Purpose and research				
		DSLR Mounted Digital Microscope				
		Vacuum Oven				
		Ultra-Sonic Bath Sonicator				
		Vacuum Pump for rotary evaporator				
		Digital Microscope				
		Reciprocal Shakers				
		Drying Oven				
		Paper Shredding Machines (V2)				
		Hot air oven				
		Compact Analytical Balance				
		Rectangular Laboratory Hot Plates				
		Reciprocal Shaker				
		Tissue Homogenizer				
		Glass Dryer				
		Ultra-Bath Sonicator				
		Microcentrifuge				
13	CSIR-CECRI	Training Materials (Notebook, Pen, Certificate Photo sheet)	SDG	installed	For SDT Program	1.660
		Cordless Mike, Electronic Consumables	SDG	installed	For SDT Program	0.312
		Wafer Scriber	EEC	installed	Capable of cutting silicon Ge & Metal oxide wafers	2.080
		Plasma Cleaner	EEC	installed	Plasma power supply 1kv, 6"	3.630
		Muffle Furnace	EME	installed	1400°c with 15x15x20cm	1.912
		Vacuum Oven	EME	installed	Double stage compact vacuum pump	1.982
		R&D Consumables (Zinc primer, silver epoxy, Carbon brush)	CMPD	installed	Zinc primer, Carbon brush	0.127
		Digital Weighing Balance	EEC	installed	shimadzu max capacity 220g	1.664



		Writing Tool (OWOL program Pen 500 Nos.)	SDG	installed	For SDT Program	0.032
		Gas Sensors	EEC	installed	testing chamber, stainless steel	1.750
		Mattress and Bunker Bed	SDG	installed	For SDT Program	4.650
		Digital Clamp Meter	CMPD	installed	600 V AC 18mm triangular jaw	0.120
		Task Monitoring Board & Portable Trolley Speaker	SDG	installed	For SDT Program	0.495
		Ag/AgCl Reference Electrode	EMF	installed	Electrode to metal finishing	0.325
		Mass Flow Controller	EEC	installed	Flow rate – 102.4 %, So2	4.000
		Gas Cylinders	EEC	installed	oxygen, two stage regulator	0.468
		Gas purification and Control System	EEC	installed	Purification and control of N2, H2, Acetylene & Argon	1.500
		Oligo Nucleotide synthesis 50 Nmol	EPE	installed	Biological cell, Oligo Nucleotide synthesis 50 nmol	0.152
		Digital Storage Oscilloscope	EEC	installed	4 channels, bandwidth 200 Mhz, memory 125M	4.800
		Waveform Generator	EEC	installed	FG 0.01 – 30 Mhz sine wave	4.300
14	CSIR-CSMCRI	Origin De humidifiers ND 2000 Dehumidifier with Air Purifier. 2-in-1 Full Function Dehumidifier + Full Function Air Purifier with 5 Step Purification	Applied Phycology & Biotechnology Division	Installed	It maintains controlled laboratory conditions by regulating humidity levels, preventing mold growth, and purifying the air to safeguard sample purity and equipment integrity. This versatile unit supports precise experimental conditions, minimizes cross-contamination risks, and enhances the success of biotechnological research endeavors.	0.570

		Split Air Conditioners, such as the Green AC 5201 < 7000,	Mandapam Field Station, CSIR-CSMCRI, Tamil Nadu	Installed	The unit has a crucial impact on maintaining the accuracy of delicate experiments and the longevity of equipment. Through their ability to control temperature and humidity levels, the unit establish a stable environment essential for achieving consistent and dependable research results.	0.491
		The Digital Burette (50 mL capacity)	Salt & Marine Chemicals	Installed	The Digital Burette (50 mL capacity) with amber glass and solution reserve is an essential, precise tool for research experiments, offering accurate liquid dispensing, sample protection, and enhanced workflow efficiency in laboratory settings.	0.722
		Hot plate with a magnetic stirrer equipped with an external temperature sensor	Salt & Marine Chemicals	Installed	The hot plate with a magnetic stirrer equipped with an external temperature sensor is indispensable for providing controlled heating, stirring solutions, and accurate temperature monitoring during various laboratory experiments.	0.616
		The Basic Analytical Mill	Analytical And Environmental Science Division And Centralized Instrument Facility	Installed	It offers precision grinding to homogenize materials for diverse analytical techniques like spectroscopy and chromatography. Its versatility accommodates a wide range of samples, including pharmaceuticals and biological materials, making it essential for experiments requiring uniform particle size	0.950

					distribution and detailed analysis.	
15	CSIR-CIMFR	02 nos. of Wi-fi Router	Multi-Disciplinary	Installed	To provide internet facility to the trainee	0.068
16	CSIR-IICT	NIL	-	-	-	-
17	CSIR-IIP	NIL	-	-	-	-
18	CSIR-NCL	Monitor	Chemical	Installed	To use for SDP students	0.207
		Desktop	Chemical	Installed	To use for SDP students	-
		Dell OptiPlex 3000 Tower	Chemical	Installed	To connect the SDP Dell monitor	0.700
		Synology disk station network	Chemical	Installed	To store SDP Data	0.826
		Ceiling fan	Chemical	Installed	To use for SDP students	0.213
		Ceiling fan	Chemical	Installed	To use for SDP students	0.213
		Coloured printer	Chemical	Installed	To print SDP certificates	0.548
		Sinology disk storage drive	Chemical	Installed	To store SDP Data	1.080
		Desktop	Chemical	Installed	To use for SDP students	1.383
19	CSIR-NEIST	NIL	-	-	-	-
20	CSIR-NIIST	Laptops and Desktop PC	General	Installed	For classroom teaching / trainers	3.500
21	CSIR-AMPRI	NIL	-	-	-	-
22	CSIR-CBRI	PC - All in One Intel Core i7 (HP)	Computer	Yes	For day to day project work	0.935
		Desktop Computers - Intel Core i7 16GB/1000GB HDD – 02 Nos. (Acer)	Computer	Yes		1.600
23	CSIR-CGCRI	Weighing balance	Balance	Installed	Weighing of raw materials	0.025
		Raising hearth furnace	Furnace	Installed	Firing of ceramic materials	5.794
		Magnetic Stirrer	Stirrer	Installed	Mixing of materials	0.244
24	CSIR-CMERI	Accelerometer Trainer Kit	Instrumentation	Installed	Training	0.460
		Thermal Imager	Agriculture	Installed	Training	1.499
		Auto Universal Titrator	Chemical Analysis	Installed	Training	1.642
25	CSIR-CRRI	Tabs used for Skill Development programs	Tabs	15 Nos Procudred used for Skill Development programs and Data Collection	Skill Development programs and Field Data Collection	3.000
26	CSIR-IMMT	Bench Top Centrifuge(Nevation)	Microbiology	Installed	Use in Microbiology Expts.	0.607

		LCD-Analytical Microbalance(Sartorius)	Microbiology	Installed	Use in Microbiology Expts.	1.000
		Hot Plate		Installed	Use in experiments	0.200
		Water Bath		Installed	Use in experiments	0.223
		Godrej 1.5 Ton split A/C	Materials	Installed	Required for running of plasma systems	0.400
27	CSIR-NAL	Tool Pre setter Automatic Renishaw	Aerospace CNC Programmer & Aerospace CNC Machinist	Installed	Training of Students on CNC Programming & Turning	1.300
		Computer Workstations	AASSC Courses	Installed	Classroom Trainings	7.000
		Augmented / Virtual reality Head set	CAD/CNC Courses	Installed	Classroom Trainings	0.650
28	CSIR-NML	Salt Bath Furnace	MME	Installed	Training	3.481
		La to s	MME	Installed	Training	0.820
		Heatin Based meltin furnace	MME	Installed	Training	1.499
		Deskto Com uters	MME	Installed	Training	1.298
		Vacuum Oven	MME	Installed	Training	2.070
		SSD	MME	Installed	Training	0.816
		Function Generator	MME	Installed	Training	0.964
29	CSIR-NEERI	NIL	NIL	NIL	NIL	NIL
30	CSIR-SERC	LED Display (2Nos)	Engineering Science	Yes	Useful for lectures and presentations	3.660
		Data Logger (1 no)	Engineering Science	Yes	To demonstrate live experiments in field/lab visits for skill development courses	2.235
31	CSIR-NIScPR	NIL	-	-	-	-
32	CSIR-4PI	NIL	-	-	-	-
33	CSIR-CSIO	Overhead Projector	-	Installed	Training & Skill Development Activites	1.920
34	CSIR-CEERI	Computer system	Electronics and Allied engineering	Completed	To train participants in the field of Industrial IoT	2.790
35	CSIR-NGRI	NIL	-	-	-	-
36	CSIR-NIO	NIL	-	-	-	-
37	CSIR-NPL	Online UPS, 5 kVA	Skill Development	To be used.	Power Back up	1.800
		Mass Flow Meter	Skill Development	To be used.	Flow rate Measurement	2.500
		Rota meter and other accessories and fitting	Skill Development	To be used.	volumetric flow rate of fluid in a closed tube.	1.000

		Air Compressor with Dryer	Skill Development	To be used.	To provide dry compressed air	5.000
		Thermal Imager	Skill Development	To be used.	Thermal imaging	1.500
		Moisture Meter	Skill Development	To be used.	Moisture measurement	0.300
		Temperature Oven	Skill Development	To be used.	Heating measurement in lab	2.000
		Dewar flask for ice point (02 no's)	Skill Development	To be used.	To the maintain temperature of liquids	0.450
		Pyrometer	Skill Development	To be used.	High range temperature measurement	1.500
		Hygrometer	Skill Development	To be used.	Humidity measurement	0.250
38	CSIR-HRDC	Desktop Computer	-	Installed	For Project Staff	1.720
		LaserJet Multifunctional Printer	-	Installed	For Project Staff	0.220
		Hard disk drive	-	To be used.		0.158
					<b>Grand Total (Rs. in lakhs) =</b>	<b>169.501</b>

#### 4. Financial Data Sheet

During **FY 2023-24** an amount of **Rs. 1786.425 lakhs** were released to following CSIR laboratories to implement skill/training programmes as per details given in below table. However, **Rs. 1468.364 lakhs** were spent and an ECF (External Cash Flow) of **Rs. 1263.236 lakhs** were generated by various CSIR labs through various industry and government agency's sponsored skilling/ reskilling programmes.

FY 2023-24 (Rs. In lakhs)				
S.No.	LaboratoryName	Fund released	Expenditure	ECF Generated
1.	CSIR-CCMB	42.000	39.666	88.313
2.	CSIR-CDRI	33.570	29.860	-
3.	CSIR-CFTRI	28.250	24.199	96.410
4.	CSIR-CIMAP	35.600	31.859	13.025
5.	CSIR-IGIB	14.928	11.823	-
6.	CSIR-IHBT	43.502	33.517	-
7.	CSIR-IICB	75.600	75.300	18.860
8.	CSIR-IIIM	42.100	27.663	26.078
9.	CSIR-IMTECH	52.690	32.047	22.952
10.	CSIR-IITR	37.100	31.579	81.644
11.	CSIR-NBRI	24.384	18.065	4.125
12.	CSIR-CLRI	221.200	210.210	83.453
13.	CSIR-CECRI	65.900	64.184	15.250
14.	CSIR-CSMCRI	67.830	57.490	20.970
15.	CSIR-CIMFR	45.820	19.765	17.458
16.	CSIR-IICT	96.322	96.322	-
17.	CSIR-IIP	17.370	9.387	-
18.	CSIR-NCL	43.000	34.409	15.791
19.	CSIR-NEIST	43.400	43.400	-
20.	CSIR-NIIST	44.783	41.833	29.526
21.	CSIR-AMPRI	31.450	21.242	9.711
22.	CSIR-CBRI	41.220	37.830	52.150
23.	CSIR-CGCRI	51.987	47.693	-

24.	<b>CSIR-CMERI</b>	14.800	11.873	55.120
25.	<b>CSIR-CRRI</b>	50.540	33.033	261.534
26.	<b>CSIR-IMMT</b>	36.150	33.604	-
27.	<b>CSIR-NAL</b>	59.290	49.579	-
28.	<b>CSIR-NML</b>	58.200	47.796	-
29.	<b>CSIR-NEERI</b>	51.000	36.241	5.000
30.	<b>CSIR-SERC</b>	48.700	33.084	91.830
31.	<b>CSIR-NIScPR</b>	13.280	1.868	-
32.	<b>CSIR-4PI</b>	13.500	13.500	-
33.	<b>CSIR-CSIO</b>	62.950	41.994	208.880
34.	<b>CSIR-CEERI</b>	46.300	30.130	26.000
35.	<b>CSIR-NGRI</b>	14.550	14.550	7.991
36.	<b>CSIR-NIO</b>	47.810	44.214	-
37.	<b>CSIR-NPL</b>	33.790	23.279	11.164
38.	<b>CSIR-HRDC</b>	35.559	14.276	-
	<b>Grand Total =</b>	<b>1786.425</b>	<b>1468.364</b>	<b>1263.236</b>



## 5. Utilization Certificates (UC) (Lab-wise)

### CSIR-CCMB

#### BUDGET UTILIZATION CERTIFICATE

FY (2023-24)

Project Title: CSIR Integrated Skill Initiative Programme-Phase-II

MLP No:- NWP 100

LAB: CSIR-CCMB

PI Name : Archana B Siva

Rs. in Lakhs

Budget Heads	FY 2023-24		
	Approved	Actual Release	Expenditure
<b>A. Non-Recurring</b>			
App & Equip	8.000	5.600	5.600
W&S	10.000	7.000	7.000
<b>Total (A)</b>	<b>18.000</b>	<b>12.600</b>	<b>12.600</b>
<b>B. Recurring</b>			
TA - India	2.000	1.300	1.300
Contingency	2.000	1.800	1.800
Maintenance			
Chemicals & Consumables	12.000	10.800	10.800
ORE	8.000	7.200	7.200
Tech - HR	7.800	5.966	5.966
<b>Total (B)</b>	<b>31.800</b>	<b>27.066</b>	<b>27.066</b>
<b>Total (A+B)</b>	<b>49.800</b>	<b>39.666</b>	<b>39.666</b>

  
**Signature of PI**  
 Dr. Archana B Siva  
 Senior Principal Scientist  
 Head-HRG & Business Development  
 Centre for Cellular and Molecular Biology  
 Uppal Road, Hyderabad - 500 007

  
**Signature of CoFA**  
 Controller of Finance & Accounts  
 सौरभसुंदर-कोशिकीय एवं अण्विक जीवविज्ञान केंद्र  
 (विज्ञान तथा प्रौद्योगिकी विभाग, भारत सरकार)  
 CSIR-Centre for Cellular & Molecular Biology  
 (Ministry of Science & Technology, Govt. of India)  
 उपपल रोड, हैदराबाद-500007 / Uppal Road, Hyderabad-500007

  
**Signature of Director**  
 Dr. Vinay Kumar Nandicoori, डॉ. विनय कुमार नंदिकूरी  
 Director, निदेशक  
 CSIR - Centre for Cellular and Molecular Biology  
 सौरभसुंदर-कोशिकीय एवं अण्विक जीवविज्ञान केंद्र  
 Uppal Road, Habsiguda, Hyderabad-500007  
 उपपल रोड, हब्सिगुडा, हैदराबाद-500007

CSIR-CDRI

Statement of Expenditure  
(01/04/2023 to 31/03/2024)

Name of the Lab.: CSIR-CDRI  
PI: Dr. Sanjeev Kumar Shukla  
Project No.: NWP0100  
Title: CSIR Integrated Skill Initiative- Phase II

	Approved Budget	Allocation	Expenditure Incurred as on 31/03/2024	Surrender
	A	B	C	D
<b>A. CAPITAL</b>				
Works & Services	4.00	2.80	2.74	0.06
Apparatus & Equipment	0.00	0.00	0.00	0.00
<b>Total (A)</b>	<b>4.00</b>	<b>2.80</b>	<b>2.74</b>	<b>0.06</b>
<b>B. RECURRING</b>				
T.A	2.00	1.80	0.75	1.05
Contingencies	0.90	0.81	0.81	0.00
Chemical & consumables	15.00	13.50	13.50	0.00
ORE	2.60	2.34	0.13	2.21
Technical HR	12.32	12.32	11.93	0.39
<b>Total (B)</b>	<b>32.82</b>	<b>30.77</b>	<b>27.12</b>	<b>3.65</b>
<b>Grand Total (A+B) Rs. in Lakhs</b>	<b>36.82</b>	<b>33.57</b>	<b>29.86</b>	<b>3.71</b>

  
**Project Leader**  
(Signed and stamped)  
Dr. Sanjeev K. SHUKLA  
Central Drug Research Institute  
Lucknow-226001

(वित्त एवं लेखा निदेशक)  
Controller of Finance & Accounts  
केन्द्रीय औषधि अनुसंधान संस्थान  
Central Drug Research Institute  
लखनऊ (बिहार)  
26/04/24  
**CoFA**  
(Signed and stamped)

  
**PME**  
(Signed and stamped)  
प्रमुख, पी.एम.ई./Head, PME  
केन्द्रीय औषधि अनुसंधान संस्थान  
CSIR-Central Drug Research Institute  
लखनऊ-226001/Lucknow-226001

  
**Director**  
(Signed and stamped) 26 APR 2024  
केन्द्रीय औषधि अनुसंधान संस्थान  
Central Drug Research Institute  
लखनऊ/Lucknow

# CSIR-CFTRI

ANNEXURE "II"

## STATEMENT OF PROGRESSIVE EXPENDITURE AND ANTICIPATED REQUIREMENT FOR THE YEAR 2023-24 UNDER

Name of the Lab: CSIR-CFTRI

Coordinating Lab: CSIR-CFTRI

PI : Raghunandan M V

Dept: PMC

Project No. NWP-0100

Title : "CSIR- Integrated Skill initiative : Phase - II "

(Rs. In lakh)

HEAD OF EXPENDITURE	ALLOCATION (GOVT GRANT) DURING 2023-24	ACTUAL EXP. OUT OF UPTO 31.03.2024		ANTICIPATED EXP. TO 31.3.2024 OUT OF		TOTAL REQUIREMENT 2023-24		VARIATION
		GOVT GRANT UPTO ☆	LAB RESERVE FUND UPTO ☆	GOVT GRANT	LAB RESERVE	GOVT GRANT (3+5)	LAB RESERVE FUND (4+6)	EXCESS(+) SAVINGS (-) (7-2)
1	2	3	4	5	6	7	8	9
<b>A. REVENUE</b>								
Salary(regular est.)								
TA - India	1.800	1.800		0.000		1.800		0.000
TA - Foreign								
Contingency	2.250	2.250		0.000		2.250		0.000
Maintenance								
Chemicals & Consumables	4.500	4.500		0.000		4.500		0.000
ORE	2.700	2.700		0.000		2.700		0.000
Tech. HR	3.000	2.956		0.000		2.956		-0.044
<b>Total revenue</b>	<b>14.250</b>	<b>14.206</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>14.206</b>	<b>0.000</b>	<b>-0.044</b>
<b>Total revenue excl. salary(A)</b>	<b>14.250</b>	<b>14.206</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>14.206</b>	<b>0.000</b>	<b>-0.044</b>
<b>B. CAPITAL</b>								
Works & services								
App. & equipment	14.000	9.993		0.000		9.993		-4.007
Other capital								
<b>Total capital(B)</b>	<b>14.000</b>	<b>9.993</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>9.993</b>	<b>0.000</b>	<b>-4.007</b>
<b>Grand Total(A+B)</b>	<b>28.250</b>	<b>24.199</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>24.199</b>	<b>0.000</b>	<b>-4.051</b>

PI

PMC

Please indicate as on 28th Feb, 10th March and 20th March as in Case No. 1000

NB:- KINDLY USE SEPARATE SHEET FOR EACH PROJECT

FAO/COFA

DIRECTOR  
DIRECTOR  
CSIR - CFTRI  
MYSURU - 570 020

## CSIR-CIMAP

### Utilization Certificate

1. Name of the lab: CSIR-CIMAP, Lucknow
2. Project No. : NWP-100
3. Total cost of the project (Rs. In Lac.)

	HEAD OF EXPENDITURE	ALLOCATION FROM GOVT. GRANT (CSIR BUDGET) 2023-2024	ACTUAL EXPENDITURE FROM GOVT. GRANT 2023-2024
A. Revenue	TA India	0.402 ✓	0.402 ✓
	Contingencies	8.775 ✓	8.775 ✓
	Maintenance		
	Consumables	13.680	13.607 ✓
	ORE	5.400 ✓	5.400 ✓
	Tech. HR		
	Total Revenue	28.257 ✓	28.184 ✓
	Total Revenue exclu. Salary (A)	28.257 ✓	28.184 ✓
B. Capital	Works and services	0.875 ✓	
	Equipment	3.675 ✓	3.675 ✓
	Other capital		
	Total capital (B)	4.550 ✓	3.675 ✓
Grand Total (A+B)		32.807 ✓	31.859 ✓

*Rohina*  
24.04.24  
Sign. Of PI

*T. B. Dixit*  
30.04.24  
T. B. DIXIT  
नियंत्रक वित्त एवं लेखा  
CONTROLLER OF FINANCE & ACCOUNTS  
सी.एस.आई.आर., लखनऊ  
CSIR - CIMAP, LUCKNOW

*Manoj* 30/04/24  
Director/AO  
आचार्य अधिकारी  
ADMINISTRATIVE OFFICER  
सी.एस.आई.आर. - लखनऊ प्रभाग-12  
CSIR-CIMAP LUCKNOW, 12



# CSIR-IGIB

## COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, NEW Sanction-Allocation-Expenditure Report For the Year 2023-

IGIB

IGIB

CSIR Projects NAY00100

Statement upto 31-MARCH-2024				Figures in Rupees							
	1. Sanction Lab Grant			2. Allocation Lab Grant			3. Expenditure Lab Grant				
	Extra (excluding in-house)	CSIR Projects	Total	Extra (excluding in-house Projects)	CSIR Projects	Total	Extra (excluding in-house)	CSIR Projects	Total		
	₹	₹	₹(1+2)	₹	₹	₹(1+2)	₹	₹	₹(7+8)		
<b>Needs</b>											
1. Salary & Sal. linked Allowances		0	0		0	0	0	0	0	0	
2. Other Allowances		0	0		0	0	0	0	0	0	
3. Reimburse. of Misc Exp. (Condy/Med charges)		0	0		0	0	0	0	0	0	
4. Quotient Allowance (Housing)		0	0		0	0	0	0	0	0	
5. Leave Travel Concessions		0	0		0	0	0	0	0	0	
6. T.A. (Travel)		30000	30000		19600	19600		19600	19600	19600	
7. T.A. (Foreign)		100000	100000		0	0		0	0	0	
8. Professional update Allowance		0	0		0	0		0	0	0	
9. Total Other Allowances (6 to 8)	0	130000	130000	0	19600	19600	0	19600	19600	19600	
A. Total Salaries (6A to 9)	0	130000	130000	0	19600	19600	0	19600	19600	19600	
10. P-04 Contingencies		200000	200000		179900	179900		179900	179900	179900	
11. P-05 H.R.D.		0	0		0	0		0	0	0	
12. P-06 Lab. Maintenance		100000	100000		0	0		0	0	0	
13. P-07 Staff Qr. Maintenance		0	0		0	0		0	0	0	
14. P-07 Chemist/Conc. & Other Res. Exp.		1210800	1210800		982740	982740		982740	982740	982740	
15. P-04 Honor. & Other retainer salaries		0	0		0	0		0	0	0	
16. P-01 and P-02 STACTS		0	0		0	0		0	0	0	
17. P-03 PDC/MSD		0	0		0	0		0	0	0	
18. P-05 HMO		0	0		0	0		0	0	0	
19. P-0500 RAB		0	0		0	0		0	0	0	
20. P-07 Publicity & Exhibition		0	0		0	0		0	0	0	
21. T&B		0	0		0	0		0	0	0	
22. P-0505 CSIR Guest House (Science Centre)		0	0		0	0		0	0	0	
23. P-0506 Conferences		0	0		0	0		0	0	0	
24. P-16 IPTM		0	0		0	0		0	0	0	
25. P-01 NMITL (Resourcing) (PFI)		0	0		0	0		0	0	0	
26. NMITL (Resourcing) (Project-based)		0	0		0	0		0	0	0	
B. Total other Revenue (10A to 26)	0	1570800	1570800	0	1162690	1162690	0	1162690	1162690	1162690	
<b>Capital</b>											
27. P-30 Land Cost		0	0		0	0		0	0	0	
28. P-30 Works & Services(Ext. Infra, Lumping & ...)		0	0		0	0		0	0	0	
29. P-30 App. & Equip.(Computer Equipments)		0	0		0	0		0	0	0	
30. P-30 Workshop Machinery		0	0		0	0		0	0	0	
31. P-30 Office Equipments		0	0		0	0		0	0	0	
32. P-30 Furniture & Fittings		0	0		0	0		0	0	0	
33. P-30 Library (Books/Journals)		0	0		0	0		0	0	0	
34. P-30 Library (e-Journals)		0	0		0	0		0	0	0	
35. P-30 Music & Entertain		0	0		0	0		0	0	0	
36. P-30 Vehicles		0	0		0	0		0	0	0	
37. P-30 Tools & Plant		0	0		0	0		0	0	0	
38. P-30 Software development/procurement/Annuitie		0	0		0	0		0	0	0	
39. P-702 Staff Qr. (Construction) Lumping & ...		0	0		0	0		0	0	0	
40. P-01 NMITL (Capital)		0	0		0	0		0	0	0	
C. Total Capital (30A to 40)	0	0	0	0	0	0	0	0	0	0	
Total Nat. Labs. (A+B+C)	0	1700800	1700800	0	1162290	1162290	0	1162290	1162290	1162290	
Fellowship & Scholarship		0	0		0	0		0	0	0	
Research Scheme		0	0		0	0		0	0	0	
Total Capacity Building & HMO	0	0	0	0	0	0	0	0	0	0	
<b>P-05 Advance</b>											
41. Conveyance/Computer Advance		0	0		0	0		0	0	0	
42. House Building Advance		0	0		0	0		0	0	0	

IGIB

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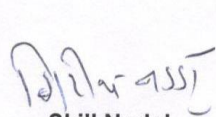
वित्त एवं लेखा अधिकारी Finance & Accounts Officer  
सीएसआईआर-जीनोमिक्स और समग्र जीवविज्ञान संस्थान  
CSIR-Institute of Genomics & Integrative Biology  
पिन कोड-110007/मैल रोड, दिल्ली-110007

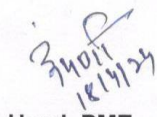
## CSIR-IHBT

### Funds Utilization Statement for the FY 2023-24 Under NWP-100 (Data as on 31<sup>st</sup> March 2024)

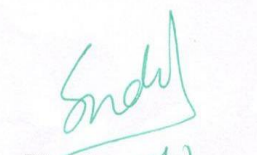
**Project Title:** CSIR-Integrated Skill Initiative (Phase II)  
**Project no.:** NWP-100  
**Name of the Institute:** CSIR-Institute of Himalayan Bioresource Technology,  
 Palampur (H.P.)  
**Skill / Training Nodal PI :** Dr. Gireesh Nadda; Principal Scientist, Agrotechnology  
 Division

(Rs. in Lakhs)			
Budget Head	Sanctioned (as per HRDC OM)	Allocation	Expenditure
<b>A. CAPITAL</b>			
Works & Services	3.000	2.100	2.100
Apparatus & Equipment	0.000	0.000	0.000
<b>Total (A)</b>	<b>3.000</b>	<b>2.100</b>	<b>2.100</b>
<b>B. RECURRING</b>			
T.A. (India)	4.000	2.600	2.600
T.A. (Abroad)	0.000	0.000	0.000
Contingencies	6.000	0.191	0.191
Chemical & Consumables	10.000	9.000	9.000
Other Res. Expenditure	8.000	7.200	7.200
Technical HR	16.200	12.426	12.426
<b>Total (B)</b>	<b>44.200</b>	<b>31.417</b>	<b>31.417</b>
<b>Total (A+ B)</b>	<b>47.200</b>	<b>33.517</b>	<b>33.517</b>

  
**Skill Nodal**  
 (Signature)  
 18/4/24

  
**Head, PME**  
 (Signature)

  
**CoFA/FAO**  
 (Signature)

  
**Director**  
 (Signature)  
 निदेशक / Director  
 सी.एस.आई.आर.-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान  
 CSIR-IHBT  
 Palampur(H.P.) 176061 INDIA

## COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH, NEW

## NWP00100 Expenditure Report For the Year 2023-2024

Indian Institute of Chemical Biology

IICB

NWP00100 Project		Expenditure Upto: 31-MAR-2024		
Heads	Govt. Grant			
	Allocation	Project Exp.	BALANCE	
		1		
Revenue				
d. T.A. (India)	135000.00	108986.00	26014.00	
e. T.A. (Foreign)	0.00	0.00	0.00	
4. P-04 Contingencies	180000.00	175050.00	4950.00	
8. P07 Chemical/Consum.& Other Res.Exp.	7200000.00	7199892.00	108.00	
ORE	45000.00	45000.00	0.00	
<b>Total</b>	<b>7560000.00</b>	<b>7528928.00</b>	<b>31072.00</b>	

*[Signature]*  
10/4/2024

Nodal, Skill Dev Programme  
CSIR-IICB

*[Signature]*  
10.04.24  
Controller of Finance & Accounts  
CSIR-IICB

डॉ. पी. जयशंकर, पीएचडी, एफआईसी, एफएससी, एफआईएससी  
Dr. P. Jaisankar, Ph.D., FIC, FASCI, FRSC  
मुख्य वैज्ञानिक एवं प्रमुख / Chief Scientist & Head  
कार्बनिक व औषधीय रसायन विभाग / Dept. of Organic & Medicinal Chemistry  
सीएसआईआर-भारतीय रासायनिक जीवविज्ञान संस्थान  
CSIR-Indian Institute of Chemical Biology  
भारत सरकार / Government of India  
4, राजा एस. सी. मुल्लिक रोड, जादवपुर, कोलकाता-700 032  
4. Raja S. C. Mullick Road, Jadavpur, Kolkata-700 032

*[Signature]*  
10/4/24  
वित्त एवं लेखा नियंत्रक/Controller of Finance & Accounts  
सी.एस.आई.आर-भारतीय रासायनिक जीवविज्ञान संस्थान  
CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY  
कोलकाता/Kolkata - 700 032



# CSIR-IIIM

## UTILIZATION CERTIFICATE CSIR-INTEGRATED SKILL INITIATIVE (2023-24)


Name of Lab: CSIR-Indian Institute of Integrative Medicine

Project No.:- NWP-100

UC for Year: 2023-24

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT GRANT (CSIR BUD) 2023-24 (IN LAKH)	TOTAL EXP. UPTO 31-03-2024 (IN LAKH)	BALANCE (IN LAKH)
<b>A. REVENUE</b>			
Salary (regular estt.)			
TA-India	1.80	1.42690 ✓	0.37310 ✓
TA-Foreign	0.00		
Contingency	4.50	4.50000 ✓	0.00000 ✓
Maintenance	0.00		
Chemicals and Consumables	13.50	5.69449 ✓	7.80551 ✓
ORE	10.80	5.25592 ✓	5.54408 ✓
Tech. HR	11.50	10.78520 ✓	0.71480 ✓
<b>Total revenue</b>	<b>42.10</b>	<b>27.66251</b>	<b>14.43749</b>
<b>Total revenue excl. Salary (A)</b>	<b>42.10</b>	<b>27.66251 ✓</b>	<b>14.43749 ✓</b>
<b>B. CAPITAL</b>			
Works and Services			
Apparatus and Equipment			
Other Capital			
<b>Total Capital (B)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Grand Total (A+B)</b>	<b>42.10 ✓</b>	<b>27.66251 ✓</b>	<b>14.43749 ✓</b>

  
**Dr Nasir ul Rasheed**  
Nodal Scientist (NWP-100)

  
**Er. Abdul Rahim**  
PI & Head PME

  
**Sh. Ajay Kumar**  
Controller of Finance & Accounts  
Indian Institute of Integrative Medicine  
केनाल रोड, जम्मू तवी-180001  
Canal Road, Jammu Tawi-180001

  
**Director**

निदेशक/Director  
सोपलआईआर-भारतीय समवेत औषध संस्थान  
CSIR-Indian Institute of Integrative Medicine  
नहर मार्ग, जम्मू तवी-180016  
Canal Road, Jammu Tawi-180016

# CSIR-IMTECH

## ANNEXURE B

STATEMENT OF EXPENDITURE FOR THE YEAR 2023-24 UNDER FTT/HCP/Mission Mode/PA/IR/MLP/NWP/OLP/STS(P-11/ P-22/ P-23/ P-24 /P-27).

Name of the Lab:CSIR-IMTECH

Coordinating Lab: \_\_\_\_\_

Project no. NWP0100

Title: CSIR-Intigrated Skill Initiative-

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) 2023-24	TOTAL EXP.UPTO 31.3.2024 INCLUDING LAB.RESERVE	EXPENDITURE MET FROM LAB.RESERVE	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) (3-4)	VARIATION IF ANY EXCESS(+) SAVINGS (-) (5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)	0.000	0.000	0.000	0.000	0.000
TA- India	0.403	0.403	0.000	0.403	0.000
TA- Foreign	0.000	0.000	0.000	0.000	0.000
Contingency	1.709	1.709	0.000	1.709	0.000
Maintenance	0.000	0.000	0.000	0.000	0.000
Chemicals & Consum	22.075	22.075	0.000	22.075	0.000
ORE	2.650	2.650	0.000	2.650	0.000
Tech. HR	5.210	5.210	0.000	5.210	0.000
<b>Total revenue</b>	<b>32.047</b>	<b>32.047</b>	<b>0.000</b>	<b>32.047</b>	<b>0.000</b>
<b>Total revenue excl. salary(A)</b>	<b>32.047</b>	<b>32.047</b>	<b>0.000</b>	<b>32.047</b>	<b>0.000</b>
<b>B. CAPITAL</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
Works & services	0.000	0.000	0.000	0.000	0.000
App. & equipment	0.000	0.000	0.000	0.000	0.000
Other capital	0.000	0.000	0.000	0.000	0.000
<b>Total capital(B)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Grand Total(A+B)</b>	<b>32.047</b>	<b>32.047</b>	<b>0.000</b>	<b>32.047</b>	<b>0.000</b>

  
Project Investigator

  
Head (PMBD)

  
Sr. CoFA/F&AO

डॉ. नीरज खत्री/Dr. Neeraj Khatri  
एम.पी.एस.सी., पी.एच.डी./MVSc., Ph.D  
वरिष्ठ प्रमुख वैज्ञानिक एवं निदेशाध्यक्ष  
Senior Principal Scientist & Head  
इमटेक पशु संसाधन एवं प्रयोग केंद्र (आई-केयर)  
IMTech Centre for Animal Resources & Experimentation (CARE)  
सी.एस.आई.आर.-सूक्ष्मजीव प्रौद्योगिकी संस्थान  
CSIR-Institute of Microbial Technology  
सेक्टर 39-A, चण्डीगढ़/Chandigarh-160036

प्रमुख, परियोजना प्रबंधन एवं व्यवसाय विकास प्रभाग  
Head, Project Management and Business Development Division  
सीएसआईआर-सूक्ष्मजीव प्रौद्योगिकी संस्थान  
CSIR-Institute of Microbial Technology  
सेक्टर/Sector 39-A, चण्डीगढ़/Chandigarh-160036

वित्त एवं लेखा अधिकारी/Finance & Accounts Officer  
सीएसआईआर-सूक्ष्मजीव प्रौद्योगिकी संस्थान  
CSIR-Institute of Microbial Technology  
वैज्ञानिक एवं प्रौद्योगिकी मंत्रालय, भारत सरकार  
Ministry of Science & Technology, Govt. of India  
सेक्टर/Sector 39-A, चण्डीगढ़/Chandigarh-160036

  
Director  
CSIR-IMTECH  
16/4/24

निदेशक/Director  
सीएसआईआर-सूक्ष्मजीव प्रौद्योगिकी संस्थान  
CSIR-Institute of Microbial Technology  
सेक्टर 39-A, चण्डीगढ़-160036  
Sector 39-A, Chandigarh-160036

# CSIR-IITR

Annexure - B

STATEMENT OF EXPENDITURE FOR THE YEAR 2023-24 UNDER FBR/NCP/FTC/FTT/RSP/HCP/HARIT/lab. Project(P22)

Name of Lab: CSIR-IITR

Coordinating Lab: CSIR-HRDC

Project No.- NWP-100

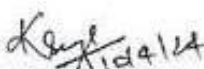
Title : CSIR Integrated Skill Initiative

HEAD OF EXPENDITURE	ALLOCATION INITIAL (GOVT GRANT) DURING 2023-24	ALLOCATION FINAL (GOVT GRANT) DURING 2023- 24*	TOTAL EXPENDITUR E INCLUDIN LRF 31.03.2024	EXP. FROM LRF	(Rs. IN LAKH) ACTUAL EXP. FROM GOVT GRANT 31- 03-2024 (4-5)	VARIATION EXCESS (+) SAVINGS (-) (6-3)
1	2	3	4	5	6	
<b>A. REVENUE</b>						
Salary(regular estt.)	0.000	0.000	0.000	0.000	0.000	0.000
TA- India	1.800	1.727	1.727	0.000	1.727	0.000
TA- Foreign	0.000	0.000	0.000	0.000	0.000	0.000
Contingency	4.500	4.500	4.500	0.000	4.500	0.000
Maintenance	0.000	0.000	0.000	0.000	0.000	0.000
Chemical/Consum. & Other Res. Exp.	27.300	23.125	23.125	0.000	23.125	0.000
<b>Total revenue</b>	<b>33.600</b>	<b>29.352</b>	<b>29.352</b>	<b>0.000</b>	<b>29.352</b>	<b>0.000</b>
<b>Total revenue excl. salary(A)</b>	<b>33.600</b>	<b>29.352</b>	<b>29.352</b>	<b>0.000</b>	<b>29.352</b>	<b>0.000</b>
<b>B. CAPITAL</b>						
Works & services	0.000	0.000	0.000	0.000	0.000	0.000
App. & equipment	3.500	2.227	2.227	0.000	2.227	0.000
Other capital	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total capital(B)</b>	<b>3.500</b>	<b>2.227</b>	<b>2.227</b>	<b>0.000</b>	<b>2.227</b>	<b>0.000</b>
<b>Grand Total(A+B)</b>	<b>37.100</b>	<b>31.579</b>	<b>31.579</b>	<b>0.000</b>	<b>31.579</b>	<b>0.000</b>

\* (i) Rs. 2.55 Lakh was surrendered from vide E-mail dt: 11.03.2024 (Rs.1.3 Lakh from Tech HR and Rs.1.25 Lakh from Apparatus and Equipment )

(ii) Rs 2.971 Lakh was surrendered vide E-mail dt: 22.03.2024 ( Rs. 2325/- from Apparatus & Equipment, Rs.7284/- from TA , Rs.1,52,337/- from Chemical & Consumables, Rs.1,32,689/- from ORE and Rs.2445/- from Tech HR)

  
Dr. Ravi Ram Kristipati  
P.I., NWP-100

  
Finance & Accounts Officer  
CSIR-IITR


SHANKAR  
NARAYAN  
Director  
CSIR-IITR


वित्त एवं लेखाधिकारी / Finance & Accounts Officer  
सी.एस.आई.आर.-भारतीय विषमिज्ञान अनुसंधान संस्थान  
CSIR-Indian Institute of Toxicology Research  
31, महात्मा गांधी मार्ग/31, Mahatma Gandhi Marg  
लखनऊ/Lucknow-226001

CSIR-NBRI

**Funds Utilization during FY 2023-24**  
(Rs in Lakh)

	Allocation	Released	Expenditure	Surrender
Tech. HR.	2.784	1.884	1.87845	0.00555
T.A.	1.800	1.200	0.46824	0.73176
Contingency	0.900	0.900	0.90000	0.000
Chemical & Consumables	13.500	13.500	11.20701	2.29299
Equipment	0.000	0.000	0.000	0.000
ORE	5.400	4.400	3.61080	0.78920
<b>Total</b>	<b>24.384</b>	<b>21.884</b>	<b>18.0645</b>	<b>3.8195</b>

  
(Manish Bhoyar)  
Nodal Officer  
डा. मनीष एस. भोयर  
वरिष्ठ वैज्ञानिक एवं प्रधान  
तकनीकी हस्तान्तरण एवं व्यवसाय विकास विभाग  
सीएसआईआर-एनबीआरआई, लखनऊ

  
(Upendra Kumar)  
नियन्त्रक व लेखा  
CoFA  
Controller of Finance & Account  
सीएसआईआर-एनबीआरआई, लखनऊ  
CSIR - NBRI, Lucknow  
22/04/24

  
(Ajit Kumar Shasany)  
Director



# CSIR-CLRI

## ANNEXURE II

Name of the Lab:CLRI, CHENNAI 600020

Coordinating Lab: CLRI CHENNAI

Project no.NWP0100

Title :CSIR Integrated Skill Initivate Programe (Phase II)

Project Leader : Dr. Swarna V Kanth

(Rs. In lakh)

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) 2023-2024	TOTAL EXP.UPTO 31.03.2024 INCLUDING LAB.RESERVE	EXPENDITURE MET FROM LAB.RESERVE	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) (3-4)	VARIATION EXCESS(+) SAVINGS (-) (5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)					
TA - India	3.47	03.47		03.47	
TA - Foreign					
Contingency	20.70	20.70		20.70	
Maintenance					
Chemicals & Consumables	54.00	54.00		54.00	
ORE	27.00	27.00		27.00	
Tech. HR	28.04	28.04		28.04	
<b>Total revenue</b>	<b>133.21</b>	<b>133.21</b>		<b>133.21</b>	
<b>Total revenue excl. salary(A)</b>	<b>133.21</b>	<b>133.21</b>		<b>133.21</b>	
<b>B. CAPITAL</b>					
Works & services	42.00	42.00		42.00	
App. & equipment	35.00	35.00		35.00	
Other capital					
<b>Total capital(B)</b>	<b>77.00</b>	<b>77.00</b>		<b>77.00</b>	
<b>Grand Total(A+B)</b>	<b>210.21</b>	<b>210.21</b>		<b>210.21</b>	

*m'kanoy*  
 वित्त एवं लेखा अधिकारी  
 Finance & Accounts Officer  
 सीएसआईआर - केन्द्रीय चर्म अनुसंधान संस्थान  
 Central Leather Research Institute  
 अड्यार, 8<sup>वें</sup> अड्यार, Chennai-600 020.

# CSIR-CECRI

## STATEMENT OF EXPENDITURE & UTILIZATION CERTIFICATE

Name of the Lab: CSIR-CECRI  
Project No.: NWP-100  
Title: CSIR Integrated Skill Initiative - Phase-II  
PI: Dr. S.M. Rajendran

UC of NWP-100	C-CODE	2023-2024			
		BUDGET ALLOCATION	BUDGET RECEIVED	EXPENDITURE	BALANCE/ SURRENDER
		₹ in Lakhs	₹ in Lakhs	₹ in Lakhs	₹ in Lakhs
		A	B	C	D
<b>A. CAPITAL</b>					
Works & Services	P50-102	10.500	10.500	10.500	0.000
App. & Equipment	P50-103	21.000	21.000	21.000	0.000
<b>Total Capital (A)</b>		<b>31.500</b>	<b>31.500</b>	<b>31.500</b>	<b>0.000</b>
<b>B. RECURRING</b>					
TA - India	P03-2041	2.250	2.250	2.250	0.000
TA - Foreign	P03-2042	0.000	0.000	0.000	0.000
Contingencies	P04	5.400	5.400	5.400	0.000
Lab Maintenance	P06	0.000	0.000	0.000	0.000
Chemicals	P071	4.050	4.050	4.050	0.000
Consumables	P07:102-111				0.000
Other Res. Exp.	P072	2.700	2.700	2.700	0.000
Technical HR	P07-206/212	20.000	20.000	18.284	1.716
<b>Total Recurring (B)</b>		<b>34.400</b>	<b>34.400</b>	<b>32.684</b>	<b>1.716</b>
<b>Total (A+B)</b>		<b>65.900</b>	<b>65.900</b>	<b>64.184</b>	<b>1.716</b>

  
Signature of PI

  
Signature of CoFA

  
Head, PPMG

  
Director

Dr. S. M. Rajendran / Dr. S. M. RAJENDRAN  
Principal Investigator / वित्त एवं लेखा अधिकारी  
CSIR - Integrated Skill Initiative / Finance & Accounts Officer  
CSIR - Central Electrochemical Research Institute  
Karaikudi - 630 003, Tamil Nadu, India

Director / निर्देशक / Director  
CSIR - Central Electrochemical Research Institute  
Karaikudi - 630003

Dr. N. Lakshminarasimhan / Dr. N. Lakshminarasimhan  
Sr. Principal Scientist & Head / वरिष्ठ प्रमुख वैज्ञानिक एवं प्रमुख  
Project Planning & Monitoring Group / प्रियोजना एवं निगरान समूह  
CSIR - Central Electrochemical Research Institute  
Karaikudi - 630 003, India

**CSIR-CSMCRI**

**Annexure – I**


**Statement of expenditure / utilization of funds for the financial year 2023-24**

Project title : CSIR-Integrated Skill Initiative (Phase –II)  
 Lab name : CSIR-CSMCRI  
 Project code : NWP-100  
 Project start date : 08/12/2020 (OM No. HRDC/SDP-2/2020, Dt. 8<sup>th</sup> Dec., 2020)


(Amount in Rs.)

Sub Head	Gross Allocation	Surrender	Net Allocation	Expenditure	Balance
<b>A. Recurring</b>					
TA(India)	3,15,000	255531	59,469	58,469	1,000
TA- Foreign	0	0	0	0	0
Contingency	4,50,000	0	4,50,000	4,49,773	227
Maintenance	0	0	0	0	0
Chemicals & Consumables	5,40,000	0	5,40,000	5,38,041	1,959
ORE	18,00,000	0	18,00,000	17,43,657	56,343
Tech. HR	31,18,000	0	31,18,000	24,82,889	6,35,111
<b>Total revenue</b>	<b>62,23,000</b>	<b>255531</b>	<b>59,67,469</b>	<b>52,72,829</b>	<b>6,94,640</b>
<b>B. Capital</b>					
Works & services	2,45,000	0	2,45,000	1,41,011	1,03,989
App. & equipment	3,15,000	0	3,15,000	3,15,000*	0
<b>Total capital(B)</b>	<b>5,60,000</b>	<b>0</b>	<b>5,60,000</b>	<b>4,75,863</b>	<b>1,03,989</b>
<b>Grand Total(A+B)</b>	<b>67,83,000</b>	<b>255531</b>	<b>65,27,469</b>	<b>57,48,692</b>	<b>7,98,629**</b>

\*Rs.19852.00 incurred under LRF. \*\* Balance Auto. surrendered.

  
 (Signature of PI)  
 Dr. S.C.Upadhyay  
 Office seal:

वैज्ञानिक Scientist  
 के. न. स. र. अ. सं., भावनगर.  
 CSMCRI, Bhavnagar

  
 (Signature of Director)  
 CSIR-CSMCRI  
 Office seal:

निदेशक/Director  
 केन्द्रीय नमक व समुद्री रसायन  
 अनुसंधान संस्थान, भावनगर  
 Central Salt & Marine Chemicals  
 Research Institute, Bhavnagar-364002.

  
 (Signature of FAO)  
 CSIR-CSMCRI  
 Office seal:

वित्त एवं लेखा अधिकारी  
 केन्द्रीय नमक व समुद्री रसायन  
 अनुसंधान संस्थान, भावनगर.



# CSIR-CIMFR

34

## CSIR-CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH, DHANBAD

### CSIR Integrated Skill Initiative (Phase II) (NWP-100) FUND UTILIZATION STATEMENT FOR THE YEAR 2023-24

(Rupees in lakh)

Sl. No.	HEAD OF EXPENDITURE	ALLOCATION FROM GOVT.GRANT (A)	Revised Budget Allocation after surrender (B)	Expenditure (C)	Balance (D=B-C)
1	TA-India	1.800	0.464	0.464	0
2	Contingency	5.400	4.108	4.108	0
3	Technical H R	27.320	10.104	10.102	0.002
4	ORE	5.400	0.720	0.720	0
5	Chemicals & consumable	4.500	3.897	3.897	0
6	Work & Service	0.000	0.000	0.000	0
7	App & equipment	1.400	0.544	0.474	0.07
	<b>TOTAL</b>	<b>45.820</b>	<b>19.837</b>	<b>19.765</b>	<b>0.072</b>

COFA/FAO for n.s. p.s.  
Head, PME 16/04/2024

COFA/FAO  
16/04/24 16.04.24

Dilip Kumbhakar  
15.4.2024  
(Dilip Kumbhakar)  
Project Leader

**Budget Utilization**

Financial Year: 2023-2024

Lab: CSIR-IICT

**Project Title:** Skill Development  
**Project Code:** NWP0100  
**Project Leader:** Dr China Raju

Heads	FY: 2023-24 (Rs. Lakhs)			Balance surrender as on 31 <sup>st</sup> March 2024 (Rs. Lakhs)
	Approved Budget	Released	Expenditure	
A. Capital				
Works & Services	25.000	17.500	17.500	0.000
App & Equipment	0.000	0.000	0.000	0.000
Total (A)	25.000	17.500	17.500	0.000
B. Recurring				
TA – India	2.000	1.800	1.800	0.000
TA (abroad)	2.000	0.000	0.000	0.000
Contingencies	11.580	10.422	10.422	0.000
Maintenance	0.000	0.000	0.000	0.000
Chemicals & Consumables	40.000	36.000	36.000	0.000
ORE	30.000	27.000	27.000	0.000
Tech – HR	3.600	3.600	3.600	0.000
Total (B)	89.180	78.822	78.822	0.000
Grand Total (A+B)	114.180	96.322	96.322	0.000

डॉ. बी. चिन्मा  
**Dr. B. China Raju**  
 Project Leader  
 भारतीय प्रमाण वैज्ञानिक एवं अभियंता संस्थान  
 प्राकृतिक उत्पादों के रासायनिक विश्लेषण विभाग  
 Department of Natural Products & Medicinal Chemistry  
 सीएसआईआर-भारतीय रासायनिक प्रौद्योगिकी संस्थान  
 CSIR-Indian Institute of Chemical Technology  
 (Ministry of Science and Technology, Govt. of India)  
 उपप्लॉट रोड / Uppala Road, हैदराबाद / Hyderabad, India

Hyderabad - 500 007

तारनाका, हैदराबाद / Talana, Hyderabad - 500 007, भारत/India  
 Tamaka, Hyderabad 500 007, Telangana State, INDIA

COFA/FIO  
 Accounts Officer

Head  
 BDRM

Director  
 डॉ. डी. श्रीनिवास रेड्डी  
 Dr. D. Srinivasa Reddy  
 निदेशक / Director

सीएसआईआर - भारतीय रासायनिक प्रौद्योगिकी संस्थान  
 CSIR-Indian Institute of Chemical Technology  
 विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार / Ministry of Science & Technology, Govt. of India  
 हैदराबाद / Hyderabad - 500 007, तेलंगाना, भारत / India

22 APR 2024

# CSIR-IIP

## CSIR-Indian Institute of Petroleum, Dehradun Utilization Certificate / Statement of Expenditure as on 31-03-2024

Project Number : NWP-0100 (Phase-II)  
Project Title : CSIR-Integrated Skill Initiative (Phase-II) 2020 to 2025  
Project Leader : Dr. C.D Sharma  
File No. : HRDC/SDP-2/2020 Dated 16-10-2020

(Rs. In Lakhs)

Budget Head	(Approved Budget/Cost) from 2020-2025	2020-2021		2021-2022		2022-2023		2023-2024		Total (2020-2024)		
		Approved Allocation / Release (HQRF)*	Expenditure	Approved Allocation / Release	Expenditure	Approved Allocation / Release	Expenditure	Approved Allocation / Release	Expenditure	Total Approved Allocation (3+5+7+9)	Total Expenditure (4+6+8+10)	Total Surrender (11-12)
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>A. Capital</b>												
Apparatus & Equipments	25.00000	1.00000	0.00000	1.60000	0.00000	3.00000	0.00000	1.40000	1.14700	7.00000	1.14700	5.85300
Works & Services	8.00000			0.60000	0.00000	0.90000	0.00000	4.90000	4.50924	6.40000	4.50924	1.89076
<b>Total Capital</b>	<b>33.00000</b>	<b>1.00000</b>	<b>0.00000</b>	<b>2.20000</b>	<b>0.00000</b>	<b>3.90000</b>	<b>0.00000</b>	<b>6.30000</b>	<b>5.65624</b>	<b>13.40000</b>	<b>5.65624</b>	<b>7.74376</b>
<b>B. Revenue</b>												
TA (India)	5.50000	0.25000	0.00000	0.40000	0.00000	0.84000	0.75300	1.17000	0.35564	2.66000	1.10864	1.55136
TA (Foreign)	3.00000											
Contingencies	14.50000	1.00000	0.00000	1.20000	0.00000	2.10000	1.00000	3.15000	0.75000	7.45000	1.75000	5.70000
Chemicals & Consumables	24.00000	3.00000	0.70472	2.40000	0.20700	3.50000	2.49800	5.40000	2.62500	14.30000	6.03472	8.26528
Other Res. Expenditure (ORE)	6.00000			0.60000	0.00000	0.70000	0.00000	1.35000	0.00000	2.65000	0.00000	2.65000
<b>Total Revenue</b>	<b>53.00000</b>	<b>4.25000</b>	<b>0.70472</b>	<b>4.60000</b>	<b>0.20700</b>	<b>7.14000</b>	<b>4.25100</b>	<b>11.07000</b>	<b>3.73064</b>	<b>27.06000</b>	<b>8.89336</b>	<b>18.16664</b>
<b>Grant Total (A+B)</b>	<b>86.00000</b>	<b>5.25000</b>	<b>0.70472</b>	<b>6.80000</b>	<b>0.20700</b>	<b>11.04000</b>	<b>4.25100</b>	<b>17.37000</b>	<b>9.38688</b>	<b>40.46000</b>	<b>14.54960</b>	<b>25.91040</b>

\*Rs.5.25 lakhs allocated for FY 2020-2021 from HQRF and balance of Rs.4.54528 was refunded to HQRF

Project Leader  
16/4/2024

Head, PME

Head  
Research Planning & Project Monitoring  
CSIR - Indian Institute of Petroleum  
Mohkampur, Dehradun-248005, INDIA

AO/CoFA  
J.K. Chaurasia  
विभागाध्यक्ष एवं लेखा/Controller of Finance & Account  
सी.एस.आई.आर.-भारतीय पेट्रोलिएम संस्थान  
CSIR-Indian Institute of Petroleum  
मोहकपुर, देहरादून-248005

Director, CSIR-IIP  
16/4/24

निदेशक / Director  
सी.एस.आई.आर.-भारतीय पेट्रोलिएम संस्थान  
CSIR-Indian Institute of Petroleum  
देहरादून 248005 (भारत)  
Dehradun, India



# CSIR-NCL

ANNUAL REPORT

STATEMENT OF EXPENDITURE FOR THE YEAR 2023-24 UNDER FBR/CRIF/TOFT/RS/PHC/PHAR/100, project etc (P-11/P-22/P-23/P-34/P-27)

Name of the Lab: CSIR-NCL, PUNE

Project No. NWP-100

Project Title: Phase II: CSIR Integrated Skill Initiative Program

HEAD OF EXPENDITURE	ORIGINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2023-24	SURRENDER 2023-24	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2023-24	TOTAL EXP. UPTO 31-03-24	BALANCE	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD)	VARIATION IF ANY EXCESS(+) SAVINGS (-)
1	2	3	4	5	6	7	8
<b>A. REVENUE</b>							
Salary (regular staff)							
TA- India	270000	97000	173000	173000	0	173000	
TA- Foreign							
Contingency	270000		270000	270000	0	270000	
Maintenance							
Chemicals & Consumables	1710000	27000	1683000	1683000	0	1683000	
ORE	50000	10000	40000	40000	0	40000	
Tech. HR	260000	50000	210000	210000	0	210000	
Total revenue	3600000	786100	2813900	2813900	0	2813900	
Total revenue excl. salary(A)	3600000	786100	2813900	2813900	0	2813900	
<b>B. CAPITAL</b>							
Works & services			0	0	0	0	
App. & equipment	700000	73000	627000	627000	0	627000	
Other capital							
Total capital(B)	700000	73000	627000	627000	0	627000	
Grand Total(A+B)	4300000	869100	3440900	3440900	0	3440900	

PROJECT LEADER: Dr. Gomade Rajesh G

DEALING WITH THE PROJECT  
CSIR-National Chemical Laboratory  
Section Officer (F&A)  
भारतीय रासायनिक प्रयोगशाला  
अध्यक्ष (वित्त एवं लेखा)  
भारतीय रासायनिक प्रयोगशाला

CONTROLLER OF FINANCE & ACCOUNTS

भारतीय रासायनिक प्रयोगशाला  
अध्यक्ष (वित्त एवं लेखा)  
Section Officer (F&A)  
भारतीय रासायनिक प्रयोगशाला  
CSIR - National Chemical Laboratory

PROJECT LEADER INVESTIGATOR

Dr. RAJESH G. GOMADE  
Chief Scientist  
भारतीय रासायनिक प्रयोगशाला  
भौतिक और सामग्री रासायनिक विभाग  
Physical and Materials Chemistry Division  
भारतीय रासायनिक प्रयोगशाला  
CSIR - NATIONAL CHEMICAL LABORATORY  
Pune - 411008 India

## Financial Statement of Expenditure (for 2023-24)

for the Project

## CSIR Integrated Skill Initiative - Phase II (NWP-0100)

Name of the Laboratory: CSIR-North East Institute of Science and Technology,  
Jorhat, Assam

HEAD OF EXPENDITURE	2023-24 (In Lakhs of Rupees)		
	Original Allocation	Budget Released	Expenditure
<b>A. CAPITAL</b>			
Works & services	0.000	0.000	0.000
App. & Equipment	0.000	0.000	0.000
<b>Total capital (A)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
<b>B. REVENUE</b>			
TA. India	1.800	1.800	1.800
TA. Foreign	0.000	0.000	0.000
Contingency	2.700	2.700	2.700
Maintenance	0.000	0.000	0.000
Chemicals and consumables	11.700	11.700	11.700
ORE	18.000	18.000	18.000
TECH H.R.	9.200	9.200	9.200
<b>Total revenue (B)</b>	<b>43.400</b>	<b>43.400</b>	<b>43.400</b>
<b>Grand Total (A+B)</b>	<b>43.400</b>	<b>43.400</b>	<b>43.400</b>

Principal Investigator  
CSIR-NEIST, Jorhat

प्रमुख / HEAD  
कौशल और उद्यमिता विकास प्रभाग  
SKILL AND ENTREPRENEURSHIP DEVELOPMENT DIVISION  
सीएसआईआर-उत्तर-पूर्व विज्ञान और प्रौद्योगिकी संस्थान  
CSIR-NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY  
जोरहाट : असम, JORHAT : ASSAM

DIRECTOR  
CSIR-NEIST, Jorhat

निदेशक / DIRECTOR  
सी एस आई आर-उत्तर पूर्व विज्ञान और प्रौद्योगिकी संस्थान  
CSIR-NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY  
जोरहाट-785006, ज़ारंग : असम, JORHAT-785006, Assam, India

F&amp;AO

CSIR-NEIST, Jorhat

वित्त एवं लेखा अधिकारी  
Finance and Accounts Officer  
सी.एस.आई.आर-उत्तर-पूर्व विज्ञान प्रौद्योगिकी संस्था  
CSIR-North-East Institute of Science & Technology  
जोरहाट : असम, JORHAT : ASSAM

CSIR-NIIST

### 7) Utilization Certificate

ANNEXURE II

STATEMENT OF PROGRESSIVE EXPENDITURE AND ANTICIPATED REQUIREMENT FOR THE YEAR 2019-20 UNDER FTT/HCP/Mission Model(IPAC/IRDI/MLP/NWP/OLP/ISTS(P-11/ P-22/ P-23/ P-24 /P-27)

Name of the Lab: CSIR-NIIST, TRIVANDRUM

Project No. NWP0100  
FTT

PROJ NAME: 'CSIR-INTEGRATED SKILL INITIATIVE (PHASE-II)'

PROJECT LEADER: Dr. MONI V (KRC)

PROJECT LEADER: Dr. MONI V (KRC) (Rs. In lakh)

HEAD OF EXPENDITURE	ALLOCATION (GOVT GRANT) DURING 2023-24 (excl.c/f)	ACTUAL EXP. OUT OF (excl c/f)		ANTICIPATED EXP. UPTO 31.3.2024 OUT OF		TOTAL REQUIREMENT 2023-24		VARIATION EXCESS(+) SAVINGS (-) (7-2)
		GOVT GRANT UPTO 31.03.2024	LAB RESERVE UPTO 31.03.2024	GOVT GRANT	LAB RESERVE	GOVT GRANT	LAB RESERVE	
						(3+5)	(4+6)	
1	2	3	4	5	6	7	8	9
<b>A. REVENUE</b>								
Salary(regular estt.)								
TA - India	0.900	0.900		0.000		0.900	0.000	0.000
TA - Foreign				0.000		0.000	0.000	0.000
Contingency	4.500	4.500		0.000		4.500	0.000	0.000
Maintenance				0.000		0.000	0.000	0.000
Chemicals & Consumables	18.000	18.000		0.000		18.000	0.000	0.000
ORE	4.500	4.500		0.000		4.500	0.000	0.000
Tech. HR	6.933	6.933		0.000		6.933	0.000	0.000
<b>Total revenue</b>	<b>34.833</b>	<b>34.833</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>34.833</b>	<b>0.000</b>	<b>0.000</b>
<b>Total revenue excl. salary(A)</b>	<b>34.833</b>	<b>34.833</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>34.833</b>	<b>0.000</b>	<b>0.000</b>
<b>B. CAPITAL</b>								
Works & services	3.500	3.500		0.000		3.500	0.000	0.000
App. & equipment	3.500	3.500		0.000		3.500	0.000	0.000
Other capital								
<b>Total capital(B)</b>	<b>7.000</b>	<b>7.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>7.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Grand Total(A+B)</b>	<b>41.833</b>	<b>41.833</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>41.833</b>	<b>0.000</b>	<b>0.000</b>

Sonu Roy  
04/04/24

डॉ. सोमू राय

Dr. SOMU ROY

Finance &amp; Accounts Officer

\* से एल आई आर-संस्था द्वारा प्रदान किया गया प्रौद्योगिकी संस्थान

## CSIR-AMPRI

Title of the Project CSIR Integrated Skill Initiative (Phase II)

Project No : NWP0100

Nodal Laboratory: CSIR – AMPRI, Bhopal

CSIR – OM Number & Date : HRDC /SDP – 2/2020, Dated: 16/10/2020

Name of PI: Dr J.P.Shukla, Chief Scientist, CSIR – AMPRI

	1	2	3	4	5
PATTICULARS	ALLOCATION FUND 2023-2024 10/04/2023	RECEIVED ALLOCATION UP To 31-03-2024	ACTUAL EXPENDITURE UP TO 31-03-2024	SURRENDERD AMMOUNT/UNSPEND AMMOUNT	TOTAL AMOUNT REQUIRED FOR FY 2024-25
<b>A. RECURRING</b>					
TA (INDIA)	360000	360000	360000	0	300000
TA(FOREIGN)		0		0	0
CONTINGENCIES	450000	450000	404163	45837	500000
MAINTENANCE		0		0	0
CHEMICALS & CONSUMABLES	720000	720000	720000	0	800000
ORE	360000	360000	360000	0	300000
TECHNICAL HR	1080000	280000	280000	0	1080000
<b>TOTAL RECURRING</b>	<b>2970000</b>	<b>2170000</b>	<b>2124163</b>	<b>45837</b>	<b>2980000</b>
<b>B. CAPITAL</b>					
WORK & SERVICES	175000	0	0	0	0
APP AND EQUIPMENT		0	0	0	0
OTHER CAPITAL		0	0	0	
<b>TOTAL CAPITAL</b>	<b>175000</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>GRAND TOTAL(A+B)</b>	<b>3145000</b>	<b>2170000</b>	<b>2124163</b>	<b>45837</b>	<b>2980000</b>

  
Project Leader

  
Head

  
23/4/24  
FAO  
वित्त प्रत्येका अधिकारी  
FINANCE ACCOUNTS OFFICER  
सी.एस.आई.ओ.ए. उच्च परीक्षा तथा प्रक्रम अनुसंधान संस्थान  
CSIR ADVANCED MATERIALS & PROCESSES RESEARCH INSTITUTE  
BHOPAL (M.P.) - 462026  
भारत सरकार / GOVT. OF INDIA

  
Director  
निदेशक / Director  
प्रति दत्त प्रक्रम अनुसंधान संस्थान (सीएसआईओए)  
Advanced Materials and Processes Research Institute  
हबीबगंज नाका के पास, भोपाल - 462 026  
Near Habibganj Naka, Bhopal - 462 026





CSIR – Central Building Research Institute  
Roorkee – 247667 (UK)



**FUNDS UTILIZATION STATEMENT FOR THE FY 2023-2024**  
Under  
**CSIR Integrated Skill Initiative (NWP-100)**  
(As on March 31, 2024)

(Rs. In Lakhs)

S.No.	Budget Head	Budget Allocated	Budget Released	Expenditure
1.	Works & Services	5.000	3.500	3.425
2.	Equipment	4.000	2.800	2.534
3.	T.A.	3.000	2.700	2.700
4.	Contingency	6.000	5.400	5.400
5.	Chemicals & Consumables	5.000	4.500	4.500
6.	Other Research Expenditure	16.000	14.400	14.400
7.	Technical HR	7.920	7.920	4.863
	<b>Total</b>	<b>46.920</b>	<b>41.220</b>	<b>37.822</b>

*R. Dharmaraju*  
Skill Nodal

डा. आर. धर्मराज / Dr. R. Dharmaraju  
मुख्य वैज्ञानिक एवं प्रमुख / Chief Scientist & Head  
आउटरीच एवं प्रसार सेवा / Outreach & Dissemination Services  
सीएसआईआर-केन्द्रीय भवन अनुसंधान संस्थान  
CSIR-Central Building Research Institute  
रुड़की-Roorkee-247667(U.K.)

*Ramank*  
CoEA/FAO

Finance & Accounts Officer  
Central Building Research Institute  
ROORKEE (U.K.)

*Ramank*  
11/4/24  
Director

निदेशक  
Director  
सीएसआईआर-के नो ३० सं  
CSIR-Central Building Research Institute  
रुड़की-Roorkee (U.K.)

# CSIR-CGCRI


Annexure-1

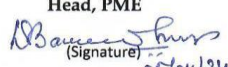
## Funds Utilization Statement for the FY 2023-24

Under NWP100

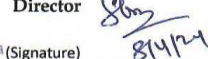
(Data as on 31st March 2024)

(Rs. IN LAKHS)					
HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2023-24	TOTAL EXP. UPTO 31.3.2024 INCLUDING LAB. RESERVE FUND	EXPENDITURE MET FROM LAB. RESERVE FUND	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD) (3-4)	VARIATION IF ANY EXCESS(+) SAVINGS (-) (5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)					
TA- India	3.750	3.676		3.676	-0.074
TA- Foreign					
Contingency	6.600	6.594		6.594	-0.006
Maintenance					
Chemicals & Consum	6.750	6.663		6.663	-0.087
ORE	22.887	22.887		22.887	0.000
Tech. HR	0.000	0.000		0.000	0.000
<b>Total revenue</b>	<b>39.987</b>	<b>39.820</b>	<b>0.000</b>	<b>39.820</b>	<b>-0.167</b>
<b>Total revenue excl. salary(A)</b>	<b>39.987</b>	<b>39.820</b>	<b>0.000</b>	<b>39.820</b>	<b>-0.167</b>
<b>B. CAPITAL</b>					
Works & services	0.000	0.000		0.000	0.000
App. & equipment	8.400	7.873		7.873	-0.527
Other capital					
<b>Total capital(B)</b>	<b>8.400</b>	<b>7.873</b>	<b>0.000</b>	<b>7.873</b>	<b>-0.527</b>
<b>Grand Total(A+B)</b>	<b>48.387</b>	<b>47.693</b>	<b>0.000</b>	<b>47.693</b>	<b>-0.694</b>

  
HCP0101, 8/4/24  
Nodal  
(Signature)

Head, PME  
  
(Signature) 05/04/24

  
CoFA/FAO 03/04/24

Director  
  
8/4/24

असीम (Signature) Asim Kumar Jha  
वित्त एवं लेखा अधिकारी / Finance & Accounts Officer  
सीएसआईआर-केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान  
CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE  
१९६, राजा एच. सी. मल्लिक रोड / 196, Raja S. C. Mullick Road  
कोलकाता - ७०००३२ / Kolkata - 700032

निदेशक  
Director  
सीएसआईआर-केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान  
CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE  
कोलकाता / KOLKATA-700 032

**Fund Utilization Statement for the FY 2023-24**  
**Under NWP00100**  
**(AMS Data as on 31<sup>st</sup> March 2024)**

	in Rs.		
	Sanction	Allocation	Expenditure
<b>Heads</b>			
2.d. T.A. (India)	2,00,000.00	80,000.00	80,000.00
<b>A. Total Salaries [GIA-S]</b>	<b>2,00,000.00</b>	<b>80,000.00</b>	<b>80,000.00</b>
4. P-04 Contingencies	1,00,000.00	88,300.00	88,300.00
8. P-07 Chemical/Consum. & Other Res. Exp.	5,40,000.00	3,87,000.00	3,87,000.00
<b>B. Total other Revenue [GIA-G]</b>	<b>6,40,000.00</b>	<b>4,75,300.00</b>	<b>4,75,300.00</b>
c) P-50 App. & Equip.	10,00,000.00	6,32,000.00	6,32,000.00
<b>C. Total Capital [GIA-C]</b>	<b>10,00,000.00</b>	<b>6,32,000.00</b>	<b>6,32,000.00</b>
<b>Total Nat. Labs. (A+B+C)</b>	<b>18,40,000.00</b>	<b>11,87,300.00</b>	<b>11,87,300.00</b>

Encl: AMS Expenditure Report 2023-24 of NWP00100

*Biplab Choudhury*  
17-05-2024  
**Skill Nodal**  
(Signature)

*f. Sekita Sarkar*  
17-5-24  
**Head, PME**  
(Signature)

*Ashu*  
17.9.24  
**FAO**  
(Signature)

*Dr. Naresh Chandra Murre*  
18/05/24  
**DIRECTOR**  
(Signature)

डॉ. नरेश चंद्र मुर्मू / Dr. Naresh Chandra Murre  
निदेशक / Director  
सीएसईआर-केन्द्रीय यंत्रिक अभियंत्रिकी अनुसंधान संस्थान  
CSIR-Central Mechanical Engineering Research Institute  
दुर्गापुर-713209, पारा / India



# CSIR-CRRI

## COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, NEW DELHI Sanction-Allocation-Expenditure Report For the Year 2023-2024

CRRI

CRRI

CSIR Projects NWP00100

Figures in (Rupees)

Statement Up to 01-APR-2024	1.Sanction Lab Grant			2.Allocation Lab Grant			3.Expenditure Lab Grant		
	Infra (including In-house Projects) 1	CSIR Projects 2	Total 3(1+2)	Infra (including In-house Projects) 1	CSIR Projects 2	Total 3(1+2)	Infra (including In-house Projects) 1	CSIR Projects 2	Total 3(1+2)
<b>Heads</b>									
1. Salary & Sal. Linked Allowances		0	0		0	0	0	0	0
2. Other Allowances		0	0		0	0	0	0	0
a. Reimburs. of Med Exp. (CGHS/Med charges)		0	0		0	0	0	0	0
b. Overtime Allowance / Honorarium		0	0		0	0	0	0	0
c. Leave Travel Concession		0	0		0	0	0	0	0
d. T.A. (India)		300000	300000		270000	270000	0	270000	270000
e. T.A. (Foreign)		300000	300000		0	0	0	0	0
f. Professional Update Allowance		0	0		0	0	0	0	0
3. Total Other Allowances (a to f)	0	600000	600000	0	270000	270000	0	270000	270000
A. Total Salaries (GIA-B) (1+3)	0	600000	600000	0	270000	270000	0	270000	270000
4. P-04 Contingencies		800000	800000		720000	720000	0	720000	720000
5. P-05 H.R.D.		0	0		0	0	0	0	0
6. P-06 Lab. Maintenance		0	0		0	0	0	0	0
7. P-701 Staff Qns. Maintenance		0	0		0	0	0	0	0
8. P-07 Chemical/Consum. & Other Res. Exp.	3704000		3704000	2013360		2013360		2013360	2013360
9. P-804 Pension & Other retirement benefits	0	0	0	0	0	0	0	0	0
10. P-801 and P-802 STADS	0	0	0	0	0	0	0	0	0
11. P-803 PFD/INBO	0	0	0	0	0	0	0	0	0
12. P-805 HRD	0	0	0	0	0	0	0	0	0
13. P-80508 RAB	0	0	0	0	0	0	0	0	0
14. P-807 Pubcity & Exhibition	0	0	0	0	0	0	0	0	0
15. TAB	0	0	0	0	0	0	0	0	0
16. P-808 CSIR Guest Houses (Science Centre)	0	0	0	0	0	0	0	0	0
17. P-80806 Celebrations	0	0	0	0	0	0	0	0	0
18. P-16 IPTM	0	0	0	0	0	0	0	0	0
19 a) P-61 NMATLI (Recurring) (P61)	0	0	0	0	0	0	0	0	0
19 b) NMATLI (Recurring) (Projectwise)	0	0	0	0	0	0	0	0	0
B. Total other Revenue (GIA-G) (4 to 19)	0	4504000	4504000	0	2733360	2733360	0	2733360	2733360
<b>Capital</b>									
a) P-50 Land Cost	0	0	0	0	0	0	0	0	0
b) (i) P-50 Works & Services/Elec. Install (Lumpsum & P-50 App. & Equip./Computer Equipments	300000		300000	0		0	0		0
(ii) P-50 Workshop Machinery	500000		500000	300000		300000	0	300000	300000
c) P-50 Office Equipments	0	0	0	0	0	0	0	0	0
d) P-50 Furniture & Fittings	0	0	0	0	0	0	0	0	0
e) P-50 Library (Books/Journals)	0	0	0	0	0	0	0	0	0
f) P-50 Library (e-Journals)	0	0	0	0	0	0	0	0	0
g) P-50 Model & Exhibit	0	0	0	0	0	0	0	0	0
h) P-50 Vehicles	0	0	0	0	0	0	0	0	0
i) P-50 Tools & Plants	0	0	0	0	0	0	0	0	0
j) P-50 Software development/procurement/LAN/WAN	0	0	0	0	0	0	0	0	0
k) (i) P-702 Staff Qns (Construction) (Lumpsum & P-61 NMATLI (Capital)	0	0	0	0	0	0	0	0	0
C. Total Capital (GIA-C) (a to k)	0	800000	800000	0	300000	300000	0	300000	300000
Total Nat. Labs. (A+B+C)	0	5904000	5904000	0	3303360	3303360	0	3303360	3303360
Fellowship & Scholarship	0	0	0	0	0	0	0	0	0
Research Scheme	0	0	0	0	0	0	0	0	0
Total Capacity Building & HRD	0	0	0	0	0	0	0	0	0
<b>P905- Advance</b>									
(i) Conveyance/Computer Advance	0	0	0	0	0	0	0	0	0
(ii) House Building Advance	0	0	0	0	0	0	0	0	0

CRRI

  
 डॉ. काईथा रविन्द्र / Dr. KAYITHA RAVINDER  
 मुख्य वैज्ञानिक / Chief Scientist  
 परिवहन आयोजना और पर्यावरण विभाग  
 Transportation Planning & Environment Division  
 सीएसआईआर - केंद्रीय सड़क अनुसंधान संस्थान  
 CSIR - Central Road Research Institute  
 भारत सरकार / Govt. of India  
 नई दिल्ली - 110025 / New Delhi - 110025

## FUND UTILIZATION CERTIFICATE

For Financial Year 2023-24

(Rs in Lakhs)

Budget Head	Budget Released	Expenditure
Works & Services	0	0
Equipment	7.000	5.365
T.A.	1.800	1.224
Contingency	6.300	5.968
Maintenance	0	0
Consumables	6.300	6.298
ORE	5.400	5.400
Tech. HR	9.350	9.350
<b>Total</b>	<b>36.150</b>	<b>33.604</b>

Skill Nodal

Head, PME

CoFA/FAO

Director

निदेशक/ Director

प्रधान पी.एम.ई./Head PME  
सीएसआईआर-खनिज एवं पदार्थ प्रौद्योगिकी संस्थान  
CSIR-Institute of Minerals & Materials Technology  
भुवनेश्वर, ओडिशा, (भारत)  
Bhubaneswar-751013, Odisha (India)

वित्त एवं लेखा नियंत्रक  
Controller of Finance & Accounts  
सीएसआईआर-खनिज एवं पदार्थ प्रौद्योगिकी संस्थान  
CSIR-Institute of Minerals & Materials Technology  
भुवनेश्वर/ Bhubaneswar-751013

सीएसआईआर-खनिज एवं पदार्थ प्रौद्योगिकी संस्थान  
CSIR-Institute of Minerals & Materials Technology  
भुवनेश्वर/ Bhubaneswar-751013



# CSIR-NAL

## CSIR-National Aerospace Laboratories, Bengaluru.

### 9. Finance Sheet

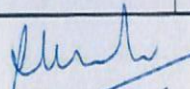
CSIR - National Aerospace Laboratories  
FY 2023-24 : Utilization of CSIR Grants

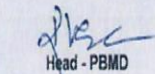
Name of the Lab: NAL, BANGALORE

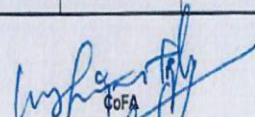
Title: CSIR INTEGRATED SKILL INITIATIVE : PHASE II

Project No. NWP100

	Initial	Surrender as on 31-Jan-2024	Surrender after 31-Jan-2024 till 11-Mar-2024	Final Allocation	TOTAL	EXPENDITURE	ACTUAL EXP.
HEAD OF EXPENDITURE	ALLOCATION FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) 2023-24	Surrender Under GOVT. GRANT (CSIR BUD) (EXCL C/F) 2023-24	Surrender Under GOVT. GRANT (CSIR BUD) (EXCL C/F) 2023-24	ALLOCATION FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) 2023-24 (2-3)	EXP.UPTO 31-03-2024 INCLUDING LAB.RESERVE	MET FROM LAB.RESERVE	FROM GOVT. GRANT (CSIR BUD) (EXCL C/F)
1	2	3	4	5=2-3-4	6	7	8=6-7
<b>A. REVENUE</b>							
Salary(regular estt.)							
TA- India	90,000.00	-	-	90,000.00	90,000.00	-	90,000.00
TA- Foreign	0.00	-	-	-	-	-	-
Contingency	1,80,000.00	-	11,078.00	1,68,922.00	1,68,922.00	-	1,68,922.00
Maintenance	0.00	-	-	-	-	-	-
Chemicals & Consum	13,50,000.00	-	2,030.00	13,47,970.00	21,36,171.00	7,88,201.00	13,47,970.00
ORE	1,35,000.00	-	3,571.00	1,31,429.00	1,31,429.00	-	1,31,429.00
Tech. HR	20,04,000.00	5,94,753.00	26,182.00	13,83,065.00	13,83,065.00		13,83,065.00
<b>Total revenue</b>	<b>37,59,000.00</b>	<b>5,94,753.00</b>	<b>42,861.00</b>	<b>31,21,386.00</b>	<b>39,09,587.00</b>	<b>7,88,201.00</b>	<b>31,21,386.00</b>
<b>Total revenue excl. salary(A)</b>	<b>37,59,000.00</b>	<b>5,94,753.00</b>	<b>42,861.00</b>	<b>31,21,386.00</b>	<b>39,09,587.00</b>	<b>7,88,201.00</b>	<b>31,21,386.00</b>
<b>B. CAPITAL</b>							
Works & services	70,000.00	70,000.00	-	-	-	-	-
App. & equipment	21,00,000.00	-	2,63,508.00	18,36,492.00	18,36,492.00	-	18,36,492.00
Other capital	0.00	-	-	-	-	-	-
<b>Total capital(B)</b>	<b>21,70,000.00</b>	<b>70,000.00</b>	<b>2,63,508.00</b>	<b>18,36,492.00</b>	<b>18,36,492.00</b>	<b>-</b>	<b>18,36,492.00</b>
<b>Grand Total(A+B)</b>	<b>59,29,000.00</b>	<b>6,64,753.00</b>	<b>3,06,369.00</b>	<b>49,57,878.00</b>	<b>57,46,079.00</b>	<b>7,88,201.00</b>	<b>49,57,878.00</b>

  
Project Leader

  
Head - PBMD

  
CoFA

## CSIR Integrated Skill Initiative (Phase II)

## FUND UTILISATION CERTIFICATE FY 2023-2024

- Name of Laboratory : CSIR- National Metallurgical Laboratory
- Project Title : CSIR Integrated Skill Initiative
- Duration : 2023-2024
- Skill / Training Nodal PI : Dr Animesh Jana
- Project No : NWP 100

Budget Head	FY: 2023-2024	
	Budget Released	Expenditure
<b>A. REVENUE</b>		
Salary (regular estt.)		
TA- India	2.200	1.855
TA- Foreign	0.000	0.000
Contingency	5.400	5.361
Maintenance	0.000	0.000
Chemical & Consumables	4.000	4.000
ORE	13.500	13.500
Tech. HR	12.800	12.800
<b>Total revenue</b>	<b>37.900</b>	<b>37.516</b>
<b>Total revenue excl. salary(A)</b>	<b>37.900</b>	<b>37.516</b>
<b>B. CAPITAL</b>		
Works & services	0.000	0.000
App. & equipment	10.280	10.280
<b>Total capital(B)</b>	<b>10.280</b>	<b>10.280</b>
<b>Grand Total(A+B)</b>	<b>48.180</b>	<b>47.796</b>

*Animesh Jana*  
9/4/2024  
Project Investigator  
(Signature)

*b.c.*  
10/04/2024  
FAO  
(Signature)

*cel*  
10/04/24  
Head, RPBD  
(Signature)

*Sandip Ghosh*  
15-04-2024  
Director  
(Signature)

*10/04/24*  
10/04/24  
वित्त एवं लेखा अधिकारी  
Finance & Accounts Officer  
वै.ओ.अ.म.-राष्ट्रीय धातुकर्म प्रयोगशाला  
CSIR-National Metallurgical Laboratory  
जमशेदपुर / Jamshedpur-831 006

**डॉ. संदीप घोष चौधुरी**  
**Dr. Sandip Ghosh Chowdhury**  
निदेशक / Director  
सी.एस.आई.आर.-राष्ट्रीय धातुकर्म प्रयोगशाला  
CSIR-National Metallurgical Laboratory  
जमशेदपुर / Jamshedpur



CSIR-NEERI

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, NEW DELHI

NWP00100 Expenditure Report For the Year 2023-2024

National Environmental Engineering Research Institute

PL= H.V. SINGH

NWP00100 Project				Expenditure Upto: 31-MAR-2024		
NAME : CSIR-INTEGRATED SKILL INITIATIVE PHASE - II	Govt. Grant			FINAL ALLOCATION	EXPENDITURE	TOTAL BALANCE
Heads	INITIAL ALLOCATION	SURRENDER 31.03.2024	SURRENDER 25.03.2024			
	1	2	3	4=1-2-3	5	6=4-5
Revenue						
d. T.A. (India)	180000	0	0	180000	180000	0
4. P-04 Contingencies	630000	0	0	630000	630000	0
8. P07 Chemical/Consum. & Other Res. Exp.	3800000	1100000	0	2700000	2700000	0
Work & Services	140000	0	140000	0	0	0
c) P-50 App. & Equip./Computer Equipments	350000	0	235900	114100	114100	0
Total Nat. Labs. (A+B)	5100000	1100000	375900	3624100	3624100	0

NWP00100

  
 वित्त एवं लेखा नियंत्रक  
 Controller of Finance & Accounts  
 सी.एस.आई.सी.ए.ए., नई दिल्ली - 440 020  
 CSIR-NEERI, NAGPUR - 440 020

Created on

## CSIR-SERC

2023-24

CSIR-SERC

### Funds Utilization Statement during FY 2023-24 Under CSIR Integrated Skill Initiative (Data as on 31<sup>st</sup> March 2024)

**Lab Name: CSIR-Structural Engineering Research Centre, Chennai**

During FY 2023-24 an amount of **Rs 48.700 Lakhs** was released to implement skill/training programs and expenditure as follows:

(Rs in Lakhs)					
Budget Head	Approved Allocation for 2023-24	Allocation Released in 2023-24	Surrender Amount 2023-24	Expenditure in 2023-24	Unspent Amount
Works & Services	3.000	2.100	2.100	-	-
Equipment	10.000	7.000	1.105	5.895	-
T.A. (India)	2.000	1.800	0.628	1.172	-
Contingency	9.000	8.100	2.689	5.411	-
Consumables	20.000	18.000	0.691	17.309	-
ORE	3.000	2.700	2.660	0.040	-
Tech. HR	9.000	9.000	5.743	3.257	-
<b>Total</b>	<b>56.000</b>	<b>48.700</b>	<b>15.616</b>	<b>33.084</b>	<b>-</b>

*J. Ramesh*  
**Skill Nodal**  
(J. RAJASAMAN)

*K. Senthil Kumar*  
**Head, BKMD**

*A. J. Anandavalli*  
**CoFA/FAO**

वित्त एवं लेखा अधिकारी / Finance & Accounts Officer  
सीएसआईआर - संरचनात्मक अभियांत्रिकी अनुसंधान केंद्र डॉ. (श्रीमती) एन. आनंदवल्ली  
CSIR - Structural Engineering Research Centre  
सीएसआईआर परिसर / CSIR Campus,  
चेन्नई / Chennai - 600 113

*N. Anandavalli*  
**Director**

निदेशक Dr. (Smt.) N. Anandavalli  
सी एस आई आर-एन आई आर रा CSIR-SERC  
सी एस आई आर रोड, CSIR Road  
चरमणी, चेन्नई 600 113

SHRDD

1

April 2024

CSIR-NIScPR

CSIR-National Institute of Science Communication and Policy Research, New Delhi

Project Title: CSIR Integrated Skill Initiative – Phase II

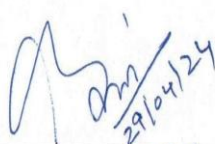
Project Code: NWP100

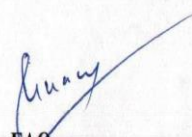
Start Date of the Project: 01 April 2020

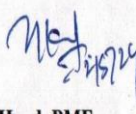
Expected End date of the Project-31 March 2025


Statement of Expenditure/ Utilization Certificate for FY 2023-24

Budget Head	Budget Approved FY2023-24 (Vide OM No. HRDC/SDP-2/2020 dated 16/10/2020)	Funds Released FY2023-24 (Vide No. 31-2(44)/2023-24/Budget dated 10/04/2023)	Expenditure FY2023-24
	1	2	3
<b>A. CAPITAL</b>			
Works & Services	00.00000	00.00000	0.00000
Apparatus & Equipment	00.00000	00.00000	0.00000
<b>Total (A)</b>	<b>00.00000</b>	<b>00.00000</b>	<b>0.00000</b>
<b>B. RECURRING</b>			
T.A./ Conference/ Seminar	00.00000	00.00000	0.00000
T.A. (India)	00.00000	00.00000	0.00000
T.A. (Abroad)	00.00000	00.00000	0.00000
Contingencies	02.00000	01.80000	0.18774
Chemical & Consumables	00.00000	00.00000	0.00000
Other Res. Expenditure	02.50000	02.25000	0.68726
Technical HR	09.23000	09.23000	0.99347
<b>Total (B)</b>	<b>13.73000</b>	<b>13.28000</b>	<b>1.86847</b>
<b>Total (A+ B)</b>	<b>13.73000</b>	<b>13.28000</b>	<b>1.86847</b>


  
Nodal PI (C.B. Singh)  
CSIR-NIScPR

  
FAO  
CSIR-NIScPR

  
Head, PME  
CSIR-NIScPR

  
Director  
CSIR-NIScPR

  
15/5/24

  
21/5/2024

# CSIR-4PI

A34/16-04-24


## Funds Utilization Statement for the FY 2023-24

(From 01<sup>st</sup> April 2023 to 31<sup>st</sup> March 2024)


Project Title: CSIR-Integrated Skill Initiative (Phase-II) [NWP-100]

Lab Name: CSIR-Fourth Paradigm Institute (CSIR-4PI)

(Rs in Lakhs)				
Budget Head	Sanctioned (as per HRDC OM)	Released	Expenditure	Balance
<b>A. CAPITAL</b>				
Works & Services	0.000	0.000	0.000	0.000
Apparatus & Equipment	0.000	0.000	0.000	0.000
<b>Total (A)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
<b>B. RECURRING</b>				
T.A. (India)	2.000	1.800	1.800	0.000
Contingencies	2.000	1.800	1.800	0.000
Chemical & Consumables	1.600	1.440	1.440	0.000
Other Res. Expenditure	9.400	8.460	8.460	0.000
Technical HR	0.000	0.000	0.000	0.000
<b>Total (B)</b>	<b>15.000</b>	<b>13.500</b>	<b>13.500</b>	<b>0.000</b>
<b>Total (A+ B)</b>	<b>15.000</b>	<b>13.500</b>	<b>13.500</b>	<b>0.000</b>

  
Skill Nodal  
(Signature)

  
Head, TMD  
(Signature)

  
CoFA/FAO  
अभिषेक कुमार तिवारी / ABHISEK KUMAR TIWARI  
फिन एंड अकाउंट्स ऑफिसर / Finance & Accounts Officer  
सीएसआईआर-चौथा पैराडिगम संस्थान  
CSIR-Fourth Paradigm Institute  
एनएएल बेलूर कैंपस / NAL Belur Campus  
बेंगलूरु / Bangalore - 560 037

  
Head, CSIR-4PI  
(Signature)  
डॉ. श्रीदेवी जडे/Dr. SRIDEVI JADE  
प्रधान / Head  
सीएसआईआर-चौथा पैराडिगम संस्थान  
CSIR-Fourth Paradigm Institute  
एनएएल बेलूर कैंपस / NAL Belur Campus  
बेंगलूरु / Bangalore - 560 037, भारत / India



CSIR-CSIO

Annexure 1


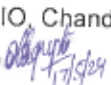
FUNDS UTILIZATION STATEMENT FOR THE YEAR FY 2023-24


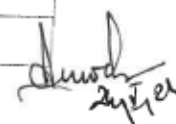
(Project No. : NWP-100)

Lab Name: CSIR-CSIO, Chandigarh

(Rs. In Lakhs)		
Budget Heads	Budget Released	Expenditure
Works & Services	3.500 /	2.001 /
Equipment	17.500 /	10.927 /
T.A.-India	1 350 /	0.262 /
TA. Abroad	0.000	0.000
Contingency	2.700 /	2.696 /
Maintenance	0.000	0.000
Consumables	10.800 /	6.317 /
ORE	1.800 /	0.020 /
Tech. HR	22.300 /	19.771 /
Total	59.950 /	41.994 /

  
(Narinder Singh Jassal)  
Sr. Principal Scientist  
& Skill Nodal Officer  
CSIR-CSIO, Chandigarh  
केन्द्रीय वैज्ञानिक उपकरण संगठन  
Central Scientific Instruments Organisation  
सेक्टर 30-सी / Sector 30-C  
चण्डीगढ़ / Chandigarh-160030

  
(Dr. IP Singh)  
Head, PME  
CSIR-CSIO, Chandigarh  


  
Finance Account Officer/  
Controller of Finance & Accounts  
CSIR-CSIO, Chandigarh  
  
Sr. COFA

  
(Prof. Shantanu Bhattacharya)  
Director  
CSIR-CSIO, Chandigarh  
सीएसआईओ - केन्द्रीय वैज्ञानिक उपकरण संगठन  
CSIR-Central Scientific Instruments Organisation  
सेक्टर 30-सी, चण्डीगढ़ - 160 030 (भारत)  
Sector 30-C, Chandigarh - 160 030 (India)

# CSIR-CEERI

## STATEMENT OF EXPENDITURE FOR THE YEAR 2023-24 UNDER PLAN HEAD OF MLP PROJECT ( P-11).

Name of the Lab: C.E.E.R.L., Pilani (Raj.)

Coordinating Lab: C.E.E.R.L., Pilani (Raj.)

Title: CSIR Integrated Skill initiative (Phase II)

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) 2023-24	TOTAL EXP.UPTO INCLUDING LAB.RESERVE	EXPENDITURE MET FROM LAB.RESERVE	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) (3-4)	Closing Balance As on (5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)	0			0	0
TA- India	135000	135000	0	135000	0
TA- Foreign					
Contingency	450000	450000		450000	0
Maintenance				0	0
Chemical & Cons.	360000	360000		360000	0
Other Res Exp.	360000	360000		360000	0
Tech. H.R.	1543000	1323265		1323265	219735
<b>Total revenue excl. salary(A)</b>	<b>2848000</b>	<b>2628265</b>	<b>0</b>	<b>2628265</b>	<b>219735</b>
<b>B. CAPITAL</b>					
Works & services	105000	105000		105000	0
App. & equipment	280000	279799		279799	201
Other capital				0	0
<b>Total capital(B)</b>	<b>385000</b>	<b>384799</b>	<b>0</b>	<b>384799</b>	<b>201</b>
<b>Grand Total(A+B)</b>	<b>3233000</b>	<b>3013064</b>	<b>0</b>	<b>3013064</b>	<b>219936</b>

Vijay Chatterjee

Comptroller of P.F.  
Dr. Vijay C. Chatterjee

(PME)

Comptroller of P.F.  
Dr. S.D. Chatterjee

डॉ. पी.सी. प्रकाश / Dr. P.C. Prakash  
निदेशक / Director  
सौरप्रकाश-केंद्रीय इलेक्ट्रॉनिक अनुसंधान प्रतिष्ठान  
CSIR-Central Electronics Engineering Research Institute  
पिलानी (राज.) पिन / Pilani (Raj.) Pin: 333031

# CSIR-NGRI

## FUNDS UTILIZATION STATEMENT FOR THE YEAR FY 2023-2024

(Rs in Lacks)

Budget Head	Budget Released	Expenditure
T. A (India)	1.800	1.800
Contingencies	3.600	3.600
Chemicals & Consumables Other Research Expenditure Technical H. R	9.150	9.150
<b>Total</b>	<b>14.550</b>	<b>14.550</b>

Skill Nodal

10/4/24

डॉ. अभय राम बंसल - वैज्ञानिक प्रभारी  
Dr. ABHEY RAM BANSAL - Scientist In-Charge  
स्किल इंडिया / Skill India  
सीएनआईआर - राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान  
CSIR - National Geophysical Research Institute  
उपपल रोड, हैदराबाद - 500 007, तेलंगणा, भारत  
Uppal Road, Hyderabad-500 007, Telangana, India

CoFA/FAO

सुमन कान्ती रोय / SUMAN KANTI ROY  
ज्य. वित्त सलाहकार / Dy. Financial Adviser /  
वित्त एवं लेखा नियंत्रक Controller of Finance & Accounts  
पे.डी.ए.ए. - राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान  
CSIR-National Geophysical Research Institute  
(मंत्रालय तथा भूभौतिकीय विभाग, भारत सरकार)  
(Ministry of Science & Technology, Govt. of India)  
उपपल रोड, हैदराबाद-500007 /Uppal Road, Hyderabad-500007

Director

10/4/2024

डॉ. प्रकाश कुमार - निदेशक  
Dr. Prakash Kumar - Director  
सी एन आई आर - राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान  
CSIR - National Geophysical Research Institute  
उपपल रोड, हैदराबाद - 500 007, तेलंगणा, भारत  
Uppal Road, Hyderabad-500 007, Telangana, India



CSIR-NIO

STATEMENT OF EXPENDITURE FOR THE YEAR 2023-2024

Name of the Lab: CSIR-NIO, GOA  
Project Number: NWP0100

Coordinating Lab: CSIR, HRDG, Ghaziabad  
Title: CSIR Integrated Skill Initiative Phase II

HEAD OF EXPENDITURE	BUDGET ALLOCATION	FINAL RELEASE FROM GOVT. GRANT (CSIR BUD)	TOTAL EXP. UPTO 31.3.2023 INCLUDING LAB.RES. FUND	EXPENDITURE MET FROM LAB.RESERVE FUND	ACTUAL EXP FROM GOVT. GRANT (CSIR BUD EX)	ECF GENERATED	Rs. In Lakhs VARIATIONS IF ANY EXCESS(+), SAVINGS (-)
A. REVENUE							
Salary(regular estt.)							
TA- India	1.800	1.800	1.651	0.00	1.651		0.149
TA- Foreign	0.00	0.00	0.00	0.00	0.00		0.00
Contingency	7.200	7.200	6.934	0.00	6.934		0.266
Maintenance	0.00	0.00	0.00	0.00	0.00		0.00
Chemicals & Consum	7.200	7.200	7.200	0.00	7.200		0.00
ORE	10.800	10.800	9.658	0.00	9.658		1.142
Tech. HR	20.810	18.810	18.771	0.00	18.771		0.039
<b>Total revenue</b>	<b>47.810</b>	<b>45.810</b>	<b>44.214</b>	<b>0.00</b>	<b>44.214</b>		<b>1.596</b>
Total revenue excl. salary(A)	47.810	45.810	44.214	0.00	44.214		1.596
B. CAPITAL	-	-	-	-	-	-	-
Works & services	0.00	0.00	0.00	0.00	0.00		0.00
App. & equipment	0.00	0.00	0.00	0.00	0.00		0.00
Other capital				0.00			0.00
Total capital(B)	0.00	0.00	0.00	0.00	0.00		0.00
<b>Grand Total(A+B)</b>	<b>47.810</b>	<b>45.810</b>	<b>44.214</b>	<b>0.00</b>	<b>44.214</b>	<b>0.00</b>	<b>1.596</b>

Signature of PI  
(With office seal)  
विज्ञानिक / Scientist,  
सी.एस.आई.ओ. - राष्ट्रीय समुद्र विज्ञान संस्थान  
CSIR - National Institute of Oceanography  
दोना पावला, गोवा-403004  
भारत / India

Signature of FAO/CoFA  
(With office seal)  
वित्त एवं लेखा निदेशक/एफ ए ओ  
Controller of Finance & Accounts/FAO  
राष्ट्रीय समुद्र विज्ञान संस्थान  
National Institute of Oceanography  
दोना पावला, गोवा-403004  
Dona Paula, Goa-403004

Signature of Director  
(With office seal)  
प्रो. सुनील कुमार सिंह  
Prof. Sunil Kumar Singh  
निदेशक / Director  
सी.एस.आई.ओ. - राष्ट्रीय समुद्र विज्ञान संस्थान  
CSIR - National Institute of Oceanography  
दोना पावला, गोवा  
Dona Paula - Goa - 403004  
भारत / India

CSIR-NPL

**Budget Format**  
**Funds Utilization During FY 2023-2024**  
**Under NWP 100**

Budget Head	Allotted Amount in 2023-2024	Expenditure	Rephase Allocation of 2024-2025
<b>A. CAPITAL</b>			
Works & Services <sup>*1</sup>	0.000	0.000	0.000
Apparatus & Equipment <sup>*2</sup>	17.500 ✓	14.821 ✓	0.800
<b>Total (A)</b>	<b>17.500</b>	<b>14.821</b>	<b>0.800 ✓</b>
<b>B. RECURRING</b>			
T.A. (India) <sup>†</sup>	0.900 ✓	0.0164 ✓	0.000 ✓
Contingencies	0.900 ✓	0.105 ✓	0.000
Chemical & Consumables	10.800 ✓	5.325 ✓	5.480= (2.85+1.50+0.18+0.50+0.45)
Other Res. Expenditure <sup>*4</sup>	0.450 ✓	0.000	0.370
Technical HR	3.240 ✓	3.011 ✓	0.000
<b>Total (B)</b>	<b>16.290</b>	<b>8.457</b>	<b>6.650 = 5.850+0.800</b> <b>(total rephrased</b> <b>Amount of Total A&amp;</b> <b>Total B)</b>
<b>Total (A+ B)</b>	<b>33.790 ✓</b>	<b>23.279 ✓</b>	<b>6.650</b>

\* out of 90,000/-, Rs. 79000/- was surrendered to CSIR.

CSIR Integrated Skill Initiative PI  
(Signature)

CCF/BAO  
 Control Finance & Accounts  
 श्री. एच. अ. क. श्री. राष्ट्रीय भौतिक प्रयोगशाला  
 CSIR - National Physical Laboratory  
 डॉ. क. एस. कृष्णन मार्ग, नई दिल्ली-110012  
 Dr. K. S. Krishnan Marg, New Delhi-12

Director  
(Signature)

श्री. जगदीशचंद्र अचर्या  
 Prof. Jagadish Chandra Acharya  
 प्रधान, निदेशक  
 CSIR- National Physical Laboratory  
 डॉ. क. एस. कृष्णन मार्ग, नई दिल्ली-110012  
 Dr. K. S. Krishnan Marg, New Delhi-110012

CSIR-HRDC



CSIR - Human Resource Development Centre  
Ghaziabad



FUNDS UTILIZATION STATEMENT FOR THE FY 2023-24  
under  
CSIR Integrated Skill Initiative-Phase II (NWP-100)  
(as on March 31, 2024)

Head of Expenditure	2023-24 (Rs in lakh)		
	Original Allocation	Budget Released	Expenditure
<b>A. CAPITAL</b>			
Works & Services	3.500	3.500	0.000
Apparatus & Equipment	2.100	2.100	2.098
<b>Total (A)</b>	<b>5.600</b>	<b>5.600</b>	<b>2.098</b>
<b>B. RECURRING</b>			
T.A./ Conference/ Seminar	0.000	0.000	0.000
T.A. (India)	3.600	3.600	0.031
T.A. (Abroad)	0.000	0.000	0.000
Contingencies	4.500	4.500	2.818
Chemical & Consumables	2.700	2.700	0.028
Other Res. Expenditure	2.700	2.700	0.446
Technical HR	16.459	16.459	8.855
<b>Total (B)</b>	<b>29.959</b>	<b>29.959</b>	<b>12.178</b>
<b>Total (A+ B)</b>	<b>35.559</b>	<b>35.559</b>	<b>14.276</b>

Principal Investigator/ Nodal Officer  
CSIR-HRDC, Ghaziabad

Head, PME  
CSIR-HRDC, Ghaziabad  
(DR NADIR SHEIKH)

CSIR-HRDC, Ghaziabad

डॉ. विनय कुमार  
वरिष्ठ प्रधान वैज्ञानिक  
सीएसआईआर-मानव संसाधन विकास केंद्र  
(विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार)  
केंद्रीय सरकार एन्क्लेव, सेक्टर-19, कमला नेहरू नगर  
गाजियाबाद-201 002

एच. चोंगलोई / H. Chongloi  
वित्त एवं लेखा अधिकारी / Finance & Account Officer  
सीएसआईआर-मानव संसाधन विकास केंद्र  
CSIR-Human Resource Development Centre  
(विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार)  
(Ministry of Science & Technology, Govt. of India, New Delhi)  
सेक्टर-19, कमला नेहरू नगर/ Sector-19, Kamla Nehru Nagar  
गाजियाबाद, उत्तर प्रदेश

Head  
CSIR-HRDC, Ghaziabad

(डॉ. टी. एस. राणा / Dr. T. S. Rana)  
प्रमुख / Head  
सीएसआईआर-मानव संसाधन विकास केंद्र  
CSIR-Human Resource Development Centre  
(विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार, नई दिल्ली)  
Ministry of Science & Technology, Govt. of India, New Delhi  
सेक्टर-19, कमला नेहरू नगर/ Sector-19, Kamla Nehru Nagar  
गाजियाबाद/ Ghaziabad-201002 (U.P.) India

## 6. Key Achievements

### CSIR-CCMB

Following are the key Skill Development training Programs conducted by CSIR-CCMB in the financial year 2022-23 benefitting 299 candidates. Most of these programs are not being offered elsewhere in the country.

- Hands on trainings for Medical students (Medical Student Research Training Program-MeDSRT),
- Hands on trainings in the advanced areas of life Sciences such as, Wild-Life Forensics, Animal Cell Culture, Engineering Zebrafish with CRISPR Tools, and LC-MS Based Proteomics
- Training programme on “DNA based barcode analysis for Animal Food Safety” for Academic Officers of Maharashtra Animal and Fishery Sciences University
- DBT-TSCOST sponsored- Skill Vigyan Faculty Training Programme on “Basic Techniques in Genetics and Molecular Biology” for Faculty teaching Life Sciences for UG & PG students/Midcareer Scientists
- Dissertation Research Training Program
- Project-based Research Training Programme
- Summer Training Programme

### CSIR-CDRI

- Successfully organized 10 skill/training programs attended by 360 candidates from more than 145 institutes from 24 states/UT of country.
- Revenue generated Rs. 68,66,000 and GST deposited Rs. 10,47,356.
- Successfully registered as TP and TC registration under process on Skill India Portal (SIP).

### CSIR-CFTRI

- A total of 45 Skill Development Programs/Short Term Courses were conducted under CSIR Integrated Skill Initiative in which **1071 participants** representing **28 states/UTs** of the country including 29 foreign participants.
- Successfully organized a training programme for Guyanese Delegation sponsored by MEA under ITEC programme.
- External faculty from Industry, academia and other Govt. departments (state/central) also delivered lectures in various programs.
- Industrial/field visits were arranged in multiple programmes.
- ECF generated: **₹ 96.41 Lakhs** (exclusive of GST).
- Though there is no proper method to get the feedback from the participants after certain period of attending the training programme, say 3 months or 6 months to get the information about their employability, from the limited responses its evident that the training programmes are beneficial for their day-to-day activities in the area of food processing. As many of the participants are entrepreneurs or entrepreneurial aspirants, they have improved their productivity by applying the scientific methods. The livelihood generation of farmers & SHGs are improved drastically.
- Almost 50% of participants are women.



### CSIR-CIMAP

- Successfully organized a seven-day bioinformatics skill development program through hybrid mode.
- Participants were trained through mostly offline mode, and a few attended online mode.
- Participants successfully get trained in computational molecular docking method by using Autodock, Autodock Vina, Discovery Studio (Accelrys/Biovia) docking module, and PyRx software.
- Participants successfully were trained in computational Molecular Dynamics (MD) simulation and its open-source pipeline in the Linux Ubuntu system.
- Participants successfully implemented the MD simulation exercise by using standard pipelines e.g., RMSD, RMSF, Interaction Energy etc.
- Participants successfully learned the principle of PCA analysis and implemented the method to understand the active conformation identification in MD simulation.
- Participants were of diverse backgrounds e.g., Associate/Asstt. Prof., Director of a software company, Research Scholars, Project fellow, and students.
- Participants were of different backgrounds and were trained in Herbal Drug Development Technologies.
- Participants were successfully trained in Agrotechnologies, Processing, Quality Assessment and Value Addition of Important Medicinal Plant
- Participants successfully were trained in Practical aspects of liquid chromatography techniques
- Participants were of different backgrounds and were trained in Essential Oil Processing Technology

### CSIR-IGIB

Seven participants were trained in an Advanced Training Course in ‘Genomics and Molecular Technologies’ for Industrial Applications’. An end-to-end whole genome sequencing (WGS) workflow inclusive of DNA library preparation to bioinformatics pipelines for delivering high-quality insights on the industrial application of WGS technology’ was offered for 30-days, in which DNA samples of microbial species were isolated from wastewater collected from the vicinity of the participants place. The isolated DNA from each sample proceeded for the 16s library preparation, followed by their nanopore sequencing. The sequence reads were then analyzed and visualized for microbial diversity in the samples. During the entire training, each participant was given hands-on training in the state-of-the-art genomics and bioinformatics facility of CSIR-IGIB.

### CSIR-IHBT

- **Increased Funding:** CSIR-IHBT received funding from other agencies, such as MSME, for additional skill development programs and trainings. This increased financial support enables the institute to expand its initiatives and reach a broader audience.
- **Scientific Exposure and Skill Development:** Young minds of the nation, including students, graduates, masters, doctorates, independent researchers, and faculties, have benefited from scientific exposure and skill development opportunities provided by CSIR-IHBT. Access to state-of-the-art facilities under the skill development program has enhanced their skills and knowledge, preparing them for future careers in research and development.
- **Collaboration with State Departments:** State departments have approached CSIR-IHBT for conducting skill development programs for farmers and various stakeholders. This collaboration indicates the recognition of the institute's expertise and resources in addressing the skill needs of different sectors, ultimately leading to improved agricultural practices and livelihoods.

### CSIR-IICB

CSIR-IICB has imparted diverse skills to 406 trainees to enable them to start a career in chemical, pharmaceutical and biotechnology industries. The trainees further gained practical exposure to research aptitude. These courses have provided hands-on-training, scientific knowledge, analytical perspective & technical skill to the participants for a career in the research and development. The trainees have received 2-weeks of rigorous training in the different skill development programs in with high-end equipments available in IICB through practical sessions and introductory lectures. Dissertation program/Summer training program duration varies from Two months to Twelve months as per course curriculum requirement of trainees.

### CSIR-IIIM

Trained 2801 participants in campus which involved capacity building, Workshops in thrust areas as well as Skill Development Cum Entrepreneurship programmes. Several Programmes were tailor made to suit corresponding skills of participants and the SDP's ranged from different fields of Drug Discovery & Development, Cultivation of High value Aromatic plants, Entrepreneurship, Intellectual Property rights, OECD principles in GLP, Tissue Culture Techniques, Industrial Microbiology, Cloning & protein expression and other technical Skill Development programs.

### CSIR-IMTECH

- Structured Internship Training (6 months long duration) Program conducted under Skill Development Program
- Short-Term Training Courses (5 days -3 months) conducted under Skill Development Program during 2023-2024
- MoUs were signed with institutes of repute for skill development training programs
- In these workshops/training programs, as per Sustainable Development Goals, CSIR-IMTECH has given equal opportunities to men and women and different strata of the society. We have organized these skill training programs keeping in mind that number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship should increase and also organized programs for Divyang students (Deaf and Dumb) etc.
- Served under CSIR-Skill Initiative Plan under National Development Plan on Skill India
- Targeted trainees from different Line Ministries viz. Department of Pharmaceutics (DoP), Department of Biotechnology, IT ministry
- Registered CSIR-IMTECH as Training Provider and Training Centre as well as Trainer on Skill India Portal
- CSIR-IMTECH has been Conditionally Accredited with Agricultural Skill Council of India (ASCI) for Laboratory Animal Attendant Course QP Code: AGR/Q4606 NSQF Level: 4.
- CSIR-IMTECH has organized customized Internship Training Programs for students sponsored by Gujarat State Biotech Mission, Gujarat (GSBTM), GADVASU, Ludhiana, Punjab; Vel Tech University, Chennai, TN; BITS, Pilani; Indian Sign Language Research and Training Centre (ISLRTC) Department of Empowerment of Persons with Disabilities Ministry of Social Justice and Empowerment, Government of India; Skill Vigyan Training Program (SVTP) in Life Sciences & Biotechnology for students of Vinoba Bhave University, Jharkhand.

#### **Sustainable Development Goals (SDGs) served:**

As Sustainable Development Goals (SDGs) cover almost every area of development, all Line Ministries are direct or indirect partners in the SDG efforts. However, we have contributed these programs under line ministry of Science & Technology. As per SDG, we have given equal opportunities to men and women; divyang. We have organized these skill training programs keeping in mind that number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship should increase. Served under CSIR-Integrated Skill Initiative Plan under National Development Plan on Skill Mission.

### CSIR-IITR

- Employment Generation: Our participants from **Aakansha Azad** - 2022 and **Shubham Srivastava** 2021 Life Science Sector Skill Development Council (LSSSDC) training program on Manager EHS (LFS/Q0214) course, got placed as Safety Officer at Client Lotus Beauty Care Products, Integrated Industrial Estate, Sector 8A, BHEL Township, Haridwar, Uttarakhand and Manager Environment at STRABAG, respectively.
- 71 participants of informed that they benefited from our programs in their job placement.
- CSIR-IITR is now aligned with Ministry of MSME, with aim to skill and motivate people in their entrepreneurial endeavors.
- Exceeded the No. of Trainings as well as candidates proposed for FY 2023-24. No. of Program Conducted- 26 ( Proposed No. 11 ) and No. of People Trained - 885 ( Proposed No. 340 ).
- MoU with Pooja Bhagavat Memorial Mahajana Education Centre, Metagalli, Mysore, Karnataka as a satellite partner of CSIR-IITR for organizing training programs down south.
- Initiated the Workshops "By the Students , for the Students": Concept in which , the workshop programs are coordinated by the students was introduced at a pilot scale. Proved a success based on the Average feedback Ratings of 94 % from te participants. • ECF Generated- Rs. 81,64,420/-

### CSIR-NBRI

Skill Development Programs (SDPs) conducted at CSIR NBRI, covering a wide spectrum of sectors including agricultural techniques, bioinformatics, herbal industry quality analysis, soil & water testing lab analysis, floriculture, aroma and herbal drugs, and plant biotechnology. Notably, the inclusion of specialized topics such as Home Gardening, Bonsai Technique, and Dehydrated Floral Crafts reflects CSIR NBRI's commitment to addressing varied skill needs across different domains. Another significant accomplishment is the successful training of 816 candidates, demonstrating the inclusive nature of the programs. The SDPs also prioritized candidates from diverse socio-economic backgrounds, with different categories, ensuring equitable access to skill development opportunities. Furthermore, the accreditation of one program with the Agricultural Skill Council of India (ASCI) under the National Skill Development Corporation (NSDC) stands as a testament to the quality and relevance of the training provided by CSIR NBRI. This accreditation not only validates the effectiveness of the program but also enhances its credibility and recognition in the skill development ecosystem. The collaborative efforts of esteemed faculty members such as Dr. Punnet Singh Chuhan, Dr. S.K Tewari & team, Dr. Mahesh Pal & team, Dr. Ch. V. Rao & team, Dr. Lal Bahadur, Dr. Meher Hasan Asif, and Dr. Abhishekh Niranjana have been instrumental in ensuring the delivery of high-quality training and effective knowledge dissemination. Overall, these achievements underscore CSIR NBRI's unwavering commitment to fostering skill development, promoting excellence in scientific research, and driving innovation in the agricultural and biotech sectors, thereby contributing to the overall socio-economic development of the nation

### CSIR-CLRI

- Trained and placed (3095 skilled personnel) with 85% wage employment and 4.6% self-employment.
- CSIR-CLRI has successfully completed 38 MSME sponsored skill training programs. A total of 1583 trainees were trained under the various MSME programs such as Advanced MDP, MDP, E-SDP and EAP.
- Contributing towards setting up a workforce that is proficient with the necessary skills and knowledge to meet indigenous as well as international standards and market dynamics in the leather and leather product industries.
- Ensuring the ability of the skilled workplace at primary, secondary and tertiary levels to work effectively and efficiently, thereby ensuring higher productivity in various leather and leather product industries.
- Train the manpower available to utilize the available opportunities and enhancing their employability rate by imparting hard skills (technical skills) like market dynamics, product diversification, design and finishing skills in their respective trades as well as soft skills.
- Focusing on the creation and sustainability of support systems required for skill development.



- To enable the trainees to gain hands-on learning experience beyond the generic learning programs and help them to spread and sustain a technology culture through exposure to global best practices.
- Providing livelihood support to the artisans involved in traditional artisanal activity pertaining to leather/leather products via capacity building and skill training.
- Assessing and implementing technology delivery systems via skill training that are most suited for the traditional industries in the respective domains and the rural artisans.
- Organizing the artisans as Self-Help Groups (SHGs) and promoting innovative cluster development models to generate business and to sustain self-reliance.
- Enhancing the market accessibility of the skilled workforce/artisans/entrepreneurs by equipping them with the needful knowledge on branding initiatives and provide them with the needful market linkages.

#### **CSIR-CECRI**

- Targets achieved by reaching the highest figure of 800 and above of candidates trained which more than given target.
- Created required infrastructures for conducting all type of trainings and procured equipment for providing hands on trainings.
- Provided certificates with organization logo & skill logo to all eligible trainees.
- Prepared brochure for Refresher courses and Skill Development Trainings for every year.
- We have also conducted few special skill development trainings for Women's participant.
- We encouraged rural participants to our skill development training from the area of Sivaganga, Pudukkottai and Ramanathapuram Districts.

#### **CSIR-CSMCRI**

- Exceeded the target set for the financial year 2023-24 by accommodating 678 participants, surpassing the initial goal of 417.
- Various training programs attracted attendees from Gujarat, Rajasthan, M.P., Maharashtra, and Tamil Nadu, showcasing geographical diversity.
- Achieved notable inclusivity, with 47% of attendees being female and 56% belonging to reserved categories.
- Demonstrated a commitment to rural engagement, with 44% of participants originating from rural areas across the training sessions.

#### **CSIR-CIMFR**

CSIR-CIMFR has been in the forefront on implementing the "Integrated Skill Initiative" programmes by offering various skill development and up-skilling courses for undergraduates, postgraduates, industry personnel and for the staff and officials of the institute. The proposed CSIR Integrated Skill Development programmes are in tune with the CSIR mandate as a whole and CSIR-CIMFR goals in particular.

This year, the institute has conducted five Offline SDPs for the students of engineering College, Officers and executives from different industries e.g. Hindalco Industries Ltd, SECL, BCCL, CCL, ECL, MCL, OCPL, SAIL, SCCL, Tata, Gainwell, etc. Also, the scientists and technical officers have imparted training to total 130 engineering and science graduates and postgraduates from different colleges and universities.

## CSIR-IICT

### Focus on developing talent in the areas of Synthetic Organic Chemistry & Analytical Chemistry

CSIR- Indian Institute of Chemical Technology (CSIR-IICT), Aragen Life Sciences and Kewaunee Labway India Pvt. Ltd. signed an MOU for conducting a skill development program focused on developing skills in Advanced Synthetic Organic Chemistry and pertinent Analytical Chemistry fields. It is a Finishing School program enabling hands-on training to postgraduate students in chemistry to make them industry-ready by the end of their curriculum. The training will be offered by the scientists of CSIR-IICT in association with teaching assistance from Aragen at CSIR-IICT campus. The MOU was signed by Dr. D. Srinivasa Reddy, Director, CSIR-IICT, Manni Kantipudi, Chief Executive Officer, Aragen Life Sciences, and Sathyamurthy, Managing Director, Kewaunee Labway India in the presence of Union Minister of Science & Technology Dr. Jitendra Singh.

India has historically been a major hub for chemistry talent pool. It is estimated that in the past decade, there have been about 80% growth in demand for chemistry graduates and around 37% for post-graduates driven by the growth in key sectors such as pharma, biotech and other life sciences and allied industries. With the continued focus on further boosting the life sciences and manufacturing sectors, demand for this talent pool is expected to pick momentum. This tripartite MOU will enable leveraging the power of public-private partnership in further boosting the chemistry talent pool in the country and will benefit both students and industry.

#### First Batch of Finishing School Training on 'ASOC'

Under CSIR Integrated Skill Initiative, CSIR-IICT conducted **Finishing School Training on Advanced Synthetic Organic Chemistry** to the PG Students in Chemistry from 7th Aug 2023 to 4th Dec 2023. After successful completion of the skill training, the valedictory event was organised on 4th Dec 2023. Chief Guest of the event, Smt. V. Karuna, Secretary to Government, Department of Higher Education, Govt. of Telangana addressed the gathering and distributed the certificates to the **20** trainees along with Dr.D.Srinivasa Reddy, Director, CSIR-IICT, Hyderabad

#### ➤ **National Seminar on Traditional Knowledge, influence of Science for Sustainable Society**

Under CSIR-Integrated Skill Initiative, CSIR-IICT organized a **"National Seminar on Traditional Knowledge, influence of Science for Sustainable Society"** on 13<sup>th</sup> May 2023. Dr. Sanjay M. R. Paswan, Former Minister of State for Human Resource Development graced the occasion as Chief Guest. Keeping in view of large number of student's participation from different colleges at this conference, Director Dr. Srinivasa Reddy made a power point presentation about the institute and its achievements. Around **150 students** from various colleges in and around Hyderabad were attended the seminar.

#### ➤ **Workshop on 'Intellectual Property Rights' as a part of National Intellectual Property Festival-NIPF**

CSIR-IICT, Hyderabad has successfully organised a virtual workshop on 'Intellectual Property Rights', the second event of Rastriya Boudhik Sampada Mahotshav (National Intellectual Property Festival-NIPF) under the Azadi Ka Amrit Mahotsav (AKAM) initiative commemorating India's 75 years of Independence on 17th July 2023. Approximately **150** participants, including **scientists, students and scholars** from across the country attended this online-workshop organized by CSIR-IICT.

#### ➤ **Research Exposure Cum Training Programme for Students from North-Eastern States of India and UTs of Jammu & Kashmir & Ladakh Region"**

Under CSIR Integrated Skill Initiative (ISI), A Skill Development Program course titled "Research Exposure Cum Training Programme for Students from North-Eastern States of India and UTs of Jammu & Kashmir & Ladakh Region" was commenced on 16<sup>th</sup> Jan 2024 at CSIR-IICT. The training is sponsored by DST-Inspire Scheme scheduled for a period 2 Months from 16<sup>th</sup> Jan to 21<sup>st</sup> March 2024 and all the course participants are Post Graduates in Chemistry from North Eastern States of India and UTs of **Jammu & Kashmir & Ladakh Region**.

#### ➤ **Skill Development Training Program for Women on 'Analytical Techniques in Food & Nutritional Chemistry'**

CSIR - IICT conducted a Skill Development Training Program on 'Analytical Techniques in Food & Nutritional Chemistry' for 31 women graduates in B.Sc Food Science from Telangana Mahila University, Telangana under CSIR-Integrated Skill Initiative from 19th - 23rd Feb 2024 & 06<sup>th</sup> - 07th March 2024.




### CSIR-IIP








Good participation from remote areas, specifically girl candidates. Skill development training program for student generated scientific temperament and enhanced interest towards Q/C, R&D and academia linked professions. Participants benefitted from earlier programs are serving in different institutions including CSIR-IIP. Contributed towards QPs creation by Hydrocarbon Sector Skill Council (HSSC).

### CSIR-NCL

- CSIR-NCL has secured Rs.84 Lakhs in CSR (Corporate Social Responsibility) funding from Envalior Executive India P.V.T, L.T.D. The project is for two years starting from March 2024 to February 2026.
- Conducted a total of 15 skill development programs during April 2023-March 2024.
- A total of 152 candidates were trained on various analytical equipment and techniques as well as synthetic organic chemistry.
- As per the information available a total of 9 students have secured employment after attending the SDP.
- Skilled 287 project/summer interns under other skill/training program. The duration of this skilling program is 2-12 months.
- Created quality human resources (skilled workforce) for the industry.
- Happy and satisfied participants, as per the feedback received.
- Created a social bond between the instructors and the participants.
- Institute Industry tie-up

### CSIR-NEIST

SI No	Details of achievement	Photographs
1	<p>Exhibition of handloom products produced by our trainees at Pragati Maidan, New Delhi</p> <p>10 numbers of our trained weavers have been selected to participate in the National Handloom Day @ 7<sup>th</sup> August 2023 at Pragati Maidan, New Delhi and to Interact with honourable Prime Minister</p>	  

2	<p><b>Campus placement drive at CSIR-NEIST, Jorhat</b></p> <p>□ A recruitment drive has been organized at CSIR-NEIST campus by “<b>Jenus Industries</b>” and recruited almost 90% of our students under Assistant Electrician trade.</p> <p>➤ Candidates had to undergo a personal interview round to prove their worth.</p> <p>➤ This initiative has been taken under Skill and Entrepreneurship Development Division which aims to increase the skill manpower and growing demand for jobs actually.</p>	   <p>Pre placement talk and Campus Interview</p>
3	<p><b>PMKVY 3.0</b></p> <ul style="list-style-type: none"> <li>CSIR-NEIST has successfully registered for 13QP's (Qualification Pack under PMKVY 3.0)</li> </ul> <p>These QP's match with the trades on which we have been proving the skill training under CSIR-ISI-II.</p> <ul style="list-style-type: none"> <li>NSDC has extended validity of our TP (Training Provider) on the Skill India Digital Portal for further period of 3 years and currently we are under batch creation and student enrollment process for 13QP'S</li> </ul>	 
4	<p><b>Certificate distribution and awareness program</b></p> <p>□ A certificate distribution session has been organised at ITI, Titabar under LED assembly and manufacturing training of Skill Development Initiative.</p> <p>□ An interactive and awareness session was also organised to educate the young minds about the need of LED equipment and it's potentials in the field of entrepreneurship.</p>	 
5	<p><b>Commercial production by weavers:</b></p> <p>The successful trainees of CSIR-NEIST Skill Development Training Centre from jacquard weaving trade are in commercial production and producing different handloom products through both online and offline modes. As a joint production effort of a few weaving groups, they have to supply 200 numbers of man's soul (as corporate gift item) to M/s Accenture, Bangalore, India per year.</p> <p>It is a remarkable achievement by the village weavers who are now capable of handling bigger orders professionally.</p>	



### CSIR-NIIST

CSIR NIIST is unique with interdisciplinary expertise and state-of-the-art facilities. With our knowledgebase and infrastructure we could able to train educated youth for improving their skills in the field of Food, Chemical, materials and Environmental related industries. We could also promote entrepreneurship in the field of our expertise thereby bringing huge impact on the financial behavior, employability and educational choice for the society.

### CSIR-AMPRI

During the FY-2023-24 CSIR-AMPRI, Bhopal has successfully trained 620 numbers of trainees in various skill-training programs Further, an ECF of Rs: **971140** has been generated during the **FY-2023-2024**

### CSIR-CBRI

- CSIR-CBRI has provided value addition to the skills and knowledge by training and skill up-gradation to more than 800 persons on various issues such as Disaster Resilient Building Construction Practices, Appropriate Housing Technologies, Landslide Risk Mitigation & Control Measures, Pest Management, Heritage Structures, Burnt Clay Brick Industry, Village problems and IoT implementation in Civil Engineering etc. which resulted in generation of technically certified workforce and awareness in the field of civil engineering for the societal benefit.
- In-house skill development training programme on '**General Pest Management-Technician**' was organized for 23 pest management technicians/officials from leading pest management industries of the country to provide the latest tools and techniques for effective pest control.
- Two skill development training programs have been conducted on '**Building Construction Systems**' for 71 trainee students of different educational institutes who have joined CSIR-CBRI for their internship/dissertation etc. to provide the latest techniques in this area.
- Two Advanced training programmes on '**Repair & Retrofitting of Buildings**' was organized for the 65 Engineers of Himachal Pradesh Government to assess/address their problems related to building construction especially in hilly areas.
- Two skill development training programs have been conducted on '**Advances in Burnt Clay Brick Industry**' for 118 working professionals of Brick Kiln Industry to adhere them with the latest NGT initiatives in adopting the necessary remedial measures such as clean fuel or vertical shaft brick kiln or jig-jaw technology to safeguard the brick industry.
- Off-campus skill development training programme on '**Design of Fire Protection Measures**' was organized at IHC, New Delhi for 60 participants to provide the latest knowledge of the existing fire codes/design considerations and to brush up the existing knowledge of fire fighting professionals.
- Imparted skill training through a Indo-Swiss Workshop on '**Modelling Rock-ice Avalanches, Rock falls and Debris flows**' for 120 participants to address the state of the art practices being used at national and international level for debris flows, rock falls, snow avalanches and rock-ice avalanches in collaboration with WSL Institute for Snow and Avalanche Research SLF, Switzerland.
- Two days Hands-on training programme on '**IoT Implementation in Civil Engineering: Bridging the Gap**' was organized for 27 participants to provide the latest knowledge of advance tools & techniques such as MQ7 and ESP32 working & Programming etc.
- A residential training course on '**Conservation & Restoration of Heritage Structures**' has been conducted for the 30 working professionals/students in the diverse field of conservation & restoration of historical structures.
- 08 BSF trainee officers were trained on '**Building Construction Systems**' covering various aspects of building construction practices.
- Three days training programme on '**Behaviour and Control Measures of Landslides**' was organized for 24 working professionals of **Tata Steel Limited** and provided the advance tools & techniques knowledge on different aspects of landslides.



- In-house skill development training programme on '**Landslide Disaster Mitigation with Special Reference to Infrastructures**' was organized for 23 working professionals/students to provide the latest knowledge on landslide risk reduction & control measures.
- Organized virtual interaction meeting/conference on '**Topical Issues in Construction Sector**' with FAI '**RosKapStroy**', Russian officials and identified the mutual interest of cooperation to exchange the technical expertise on common lines of support between two institutions. Further, the detailed proceedings of the same has been formulated for signing Memorandum of Understanding (MoU) between CSIR and FAI '**RosKapStroy**' to execute the mutual interest of cooperation.
- CSIR-CBRI has been accredited as Nodal Training Centre to conduct specialized skill development course on Pest Management registered under **National Institute of Rural Development & Panchayati Raj** (NIRDPR).
- CSIR-CBRI has registered as Training Provider & Training Centre at **NSDC Portal** for organizing NSDC approved Courses on General Mason.

#### CSIR-CGCRI

During the financial year 2023-2024 CSIR-CGCRI has conducted 32 skill development program which has imparted skill training to a total number of 802 trainees. Most of the trainees were undergraduate and postgraduate science and engineering students. Many industrial professionals, rural artist associated with terracotta and pottery, local entrepreneur also took part in these skill development programs. These training programs have enhanced their knowledge and practical skills in their respective areas like terracotta and ceramic products processing, characterization of glass, ceramic, refractory raw materials and products, water testing and Ceramic materials etc. This will increase the skill of the trainees and increase their employability in industries or allied professions this is backed by the positive feedback provided by the trainee.

#### CSIR-CMERI

- ✓ Thirty Eight (38) SDPs with Eight Hundred and Fifty Five (855) participants and ECF of Rs. 55.12 lakh.
- ✓ Four (04) programmes involving Eighty Six (86) participants on Waste Management Techno-preneurship.
- ✓ Four (04) programmes involving Ninety Three (93) participants on Agri-entrepreneurship.

#### CSIR-CRRI

Successfully Completed 21 Skill Development programs, including one international program at Sri Lanka. Total 1534 Engineers have been trained to enhance the skills in Civil Engineering sector. About 169 students ( 61 M.Tech and 108 B.Tech ) Thesis have been completed during the year 2023-24. CSIR-CRRI, New Delhi has been recognized by NHAI (National Highway Authority) and Ministry of Road Transport and Highways ( MoRTH) , Government of India, CSIR-CRRI as nodal agency for Imparting the Training for the Filed engineers and highway Design Engineers in the Field of Civil Engineering , Road Safety Audit and Bridges.

#### CSIR-IMMT

During FY2023-2024. Thirteen skill development programme were conducted where 2,474Participant were trained which is so far the highest numbers of participant trained in CSIR-IMMT Bhubaneswar

### CSIR-NAL

- During the financial year 2023-24, under the CSIR Integrated Skill Initiative, ASDC of CSIR-NAL has undertaken a pioneering role in shaping the landscape of skill development in various fields of Aerospace Engineering. During this period, two batches of Aerospace CNC Machinist NSQF Level 4 programs was conducted. The Course duration of 55 days, encompasses 200 hours of immersive training, a total of 19 candidates are trained into the intricacies of complex CNC machining activities, thereby acquiring skills that are not only integral to the industry but also aligned with the highest process standards to be adopted.
- Simultaneously, a transformative Basic Course on Linear Algebra as conducted from 22 May, 2023 to 5 June ,
- 2023. In this 7-day intensive training program, 25 candidates were provided with a foundational understanding of linear algebra, a subject of paramount importance in the world of mathematics and having its applications in engineering and technology.
- In a parallel endeavor, the Geometrical Dimensioning and Tolerancing (GD&T) ASME Y14.5-2018 course was conducted during November, 2023 to February 2023 each spanning for 7 days. In total 77 candidates were trained over two batches wherein the candidates were engaged in an intensive exploration of industry standards crucial for design, manufacturing, and inspection processes with practical application in Aerospace industry, thereby enhancing their proficiency and contributing to the enhancement of industry practices.
- The commitment to skill development extends further with the Apprenticeship Program for ITI Passed Students, an ongoing initiative that commenced in September 2023 and is slated to conclude in August 2024. Designed to span a year, this program is actively nurturing ITI passed candidates, providing them with a bridge between academic knowledge and the practical demands of the industry. The earlier batch (2022-23) successfully completed their Apprenticeship training program in June 2023.
- Adding to this continuum of learning, the Aerospace CNC Machinist- Batch-03 was initiated on December 1, 2023, and completed on 22<sup>nd</sup> April 2024. With 17 candidates actively engaged, this program is a testament to the sustained commitment to excellence in aerospace machining, ensuring that participants are well-equipped to meet the evolving demands of the Aerospace manufacturing sector.
- CSIR-NAL successfully conducted "The One Week One Lab (OWOL)" event from 19-24 September, 2023. As part of the event, various aspects of Skill Development was specifically discussed on 21st September 2023. As part of the OWOL event, the following colleges signed a MoU with CSIR-NAL for Skill development activities:
  - " BMS College of Engineering, Bengaluru
  - « AJ Institute of Engineering & Technology, Mangaluru.
  - « Mangalore Institute of Technology & Engineering, Dakshina Kannada.
  - \* Govt Model ITI, Bengaluru.
  - » KSIT, Bengaluru
  - » MEI Polytechnic, Bengaluru
- The ASDC, CSIR-NAL has successfully obtained affiliation and accreditation for Training Partner and Training Centre for four Job roles in the Aerospace and Aviation Sector
  1. Aerospace CNC Machinist (AAS Q1001)
  2. Aerospace CNC Programmer (AAS Q1002)
  3. Aerospace Design Assistant — Mechanical (AAS Q1003)
  4. Design Engineer Aerospace Propulsion Systems (AAS Q1004)

#### CSIR-NML

- CSIR-NML trained 701 participants during FY2023-24.
- We have conducted 25 societal skill training programs (STP) and 2 industry sponsored programs (PTP and CTP), and 4 other training program
- CSIR-NML has provided Internship training to students for free which was beneficial to under privileged diploma & graduate student.

#### CSIR-NEERI

- The programs were very helpful in enhancement of green skills of participants.
- The skill training programs focused on addressing environmental challenges, such as air pollution, water pollution, environmental monitoring & management using IoT, AI, ML & effective EIA/EMP towards sustainable development of the country
- Female participants (350) were much more in comparison to male participants (263) belonging to all corners of India

#### CSIR-SERC

- A total of 222 participants comprising of practicing engineers from industry, engineering graduates, and academicians were upskilled by conducting 12 training programmes during April 2023 – March 2024 at CSIR-SERC. This has resulted in earnings of about Rs. 92 lakhs as external cash flow (ECF).
- Overall, excellent grade feedback has been received from the participants from both industry and academia.
- In addition, six webinars were also organized through online mode for the benefit of Industrialists, academicians, and the general public on various current / upcoming topics of structural engineering by the scientists of CSIR-SERC. About 350 participants got benefitted by attending the webinars.

#### CSIR-NIScPR

Successfully Conducted the skill training for:

- Science teachers from various schools across Delhi NCR
- LIS Professionals from universities and Academic Institutes with hands-on

#### CSIR-4PI

1. **Advanced Training Programs:** CSIR-4PI organized two highly successful skill development training programs during the fiscal year, addressing key challenges in data science and ocean modeling. These programs attracted a total of 52 participants from various institutes, enhancing their skills and expertise in critical scientific domains.
2. **SPARK Program Continuation:** The SPARK program continued to nurture young talent and foster research acumen among undergraduate and postgraduate students. By adapting to a hybrid format, CSIR-4PI ensured continuity in student engagement, empowering them to explore areas of research interest and apply their learning in practical settings.

3. **Industrial Visits:** Two industrial training sessions were conducted, providing students with firsthand exposure to HPC facilities, Cybersecurity labs, and Earth System Science. These visits served as catalysts for inspiring future careers in research and development, bridging the gap between academic learning and industry applications.
4. **Financial Management:** The institute effectively managed the allocated budget for the CSIR Integrated Skill Initiative – Phase-II programs, demonstrating prudent financial management and accountability in project implementation.

### CSIR-CSIO

❖ **Industry, Innovator and Startup meet during One Week One Lab was conducted at CSIR-CSIO, Chandigarh on 26.06.2023.** The One Week One Lab campaign of the Council of Scientific & Industrial Research (CSIR) was launched on 6 January 2023 for highlighting India's global excellence in technology, innovation and Start-ups. In this campaign, each of CSIR's 37 constituent laboratories, spreads Nationwide were showcased their legacy, exclusive innovations and technological breakthroughs and contributions to skill development and scientific outreach every successive week. The CSIR-CSIO organized this One Week One Lab event from 26<sup>th</sup> to 29<sup>th</sup> June, 2023.

The main aim of **Industry, Innovator and Startup meet** is to provide a platform to industry, scientist, academia, incubation centers, innovators & startups to share their knowledge and experience attending this event will provide you the following opportunities:

1. Interaction with delegates from Central/ State Ministries
2. Forging R&D collaborations and signing of MoUs
3. Opportunities for Transfer of Technologies (ToT)
4. Technology/Product showcasing in industrial exhibition and interaction with industry, scientist, incubation centers, innovators and startups
5. Futuristic problem solutions, consultancy and technical services
6. Offering of State-of-the-Art facilities of CSIR-CSIO to industries
7. Engagement of ongoing PhD students to solve industrial problems
8. Hiring opportunities of trained/skill manpower from CSIO Centre ISTC and AcSIR



❖ **Five Days Workshop on “Artificial Intelligence and computational imaging in Healthcare “was conducted on 20<sup>th</sup> to 24<sup>th</sup> November, 2023.**

The workshop covered Medical image processing using Artificial intelligence and Machine learning, Medical Image Segmentation, Medical image classification using conventional machine learning techniques, deep learning architecture in biomedical imaging, and Image Annotation and Augmentation techniques. The practical sessions was on basic Python Language, basic image processing operations, Image Augmentation techniques, Image classification using CNN, and the use of different deep learning architectures.



❖ **State Level skill India Competition -2024 conducted at CSIR-CSIO, Chandigarh**

The CSIR-CSIO has conducted India Skill Competition in various skill trades for Chandigarh and Haryana during March, 2024 in which approximate 70 students participated. The winner of this state level competition will represent their state at national skill competition in respective skill trades.

1. **The state level “Chandigarh Skill India Competition-2024” was conducted on 6th & 7th March, 2024 at ISTC, CSIR-CSIO, Chandigarh.** The CSIO-ISTC has conducted skill competition in 7 various skill trades which were the highest amongst the partner Institutes in the Chandigarh state. The following skill trades test was performed by the students at ISTC, CSIR-CSIO, Chandigarh:

S. No.	Name of Trade	Date(s) of Competition (State level Competition)
1	Mechatronics	6 <sup>th</sup> March, 2024
2	Additive Manufacturing	6 <sup>th</sup> March, 2024
3	CNC Milling	6 <sup>th</sup> & 7 <sup>th</sup> March, 2024
4	Electronics	6 <sup>th</sup> March, 2024
5	Industrial Control	6 <sup>th</sup> March, 2024
6	CNC Turning	6 <sup>th</sup> & 7 <sup>th</sup> March, 2024
7	Electrical Installations	7 <sup>th</sup> March, 2024



2. **ISTC students participated in Chandigarh India Skills Competition – 2024 in various skill trades. They won various positions/medals as per following tables:**

S.No	Skill Name	Candidate id	First Name	Last Name	Contact Number	Email id
1.	Mechatronics	2024011504690900	Keerti	Gautam	7973079944	Keertigautam80@gmail.com
2.	Mechatronics	2023122076751400	Arman	Bijarnia	6239148237	armanbijarnia@gmail.com
3.	Additive Manufacturing	2023120888561270	Prashant	Prakash	9876275034	prashant18prakash@gmail.com
4.	CNC Milling	2023121950857890	Puneet	Kumar	9467920059	puneet.kumar.1352003@gmail.com
5.	CNC Turning	2023120510890740	Mohit	Sharma	8528617525	smohit01234@gmail.com
6.	Electrical Installations	2023121250283740	Deepak		9056210764	odeep0764@gmail.com
7.	Electronics	2023121996666930	Ankit	Singh	6239172292	ankitsingh.2576123@gmail.com
8.	Industrial Control	2023122079155310	Tarun	Kotyan	9417577888	Tarunkotyan10@gmail.com

3. **CSIR-CSIO Organised “Haryana state level skill competition” on 22<sup>nd</sup> March, 2024 at ISTC, CSIR-CSIO, Chandigarh.** The ISTC has conducted 03 skill trades, the highest amongst the partner Institutes in



the competition on behalf of NSDC. The following skill trades test was performed on the different fields at ISTC, CSIR-CSIO, Chandigarh.

S. No.	Name of Trade	Date(s) of Competition (State level Competition)
1	Manufacturing Team Challenge	22 <sup>nd</sup> March, 2024
2	Industrial Design Technology	22 <sup>nd</sup> March, 2024
3	Robot System Integration	22 <sup>nd</sup> March, 20204



▮ The following associations with various Institutes, organization have been initiated to promote Skill Development activities:

- Central Institute of Hand Tools(CIHT), Jalandhar
- Manav Rachna University, Faridabad
- CT University, Ludhiana
- Technology Enabling Centre, Panjab University, Chandigarh
- Punjab Council of Science & Technology, Chandigarh
- Punjab Energy Development Agency, Chandigarh
- IIT, Mandi
- Lovely Professional University, Jalandhar
- Punjab Energy Development Agency, Chandigarh
- KVS, Chandigarh
- Deptt. of ITI, Govt of Haryana, Panchkula
- Chandigarh Administration
- Software Technology Park of India (STPI), Mohali
- Regional Centre of Entrepreneurship Development (RCED), Chandigarh ▮ NIT, Jalandhar
- Startup Punjab
- Chandigarh Region Innovation and Knowledge Cluster (CRIKC), Chandigarh
- Atal Community Innovation Centre (ACIC) RISE Association, Chandigarh Engineering College, Landran, Mohali
- R & D Centre for Bicycle & Sewing Machine, Ludhiana, Punjab ▮ Tie-Up with CII for Skill Development promotion
- Tie-up with ISTC Old Student Association (ISTCOSA), which representing Approx. 450 enterprises in Chandigarh region to support MSMEs for the solution of their technology problems
- 'JIGYASA' programme of CSIR in school of Chandigarh, Punjab, Haryana, H.P
- NITTTR, Chandigarh faculties of Polytechnic from the state of Punjab, Haryana, HP, UP, Rajasthan

- **Punjab Council of Science & Technology, Chandigarh**
- Various **Sector Skill Councils (SSCs)** like Capital goods, Electronics, Rubber etc.

#### CSIR-CEERI

- Approval of the "Semiconductor Process Technology Engineer - Up Skilling" course under the Skill India initiative.
- Overall satisfaction rate of 95% from participants, highlighting the efficacy of the training modules.
- Meticulously crafted skill training courses in cutting-edge technologies like semiconductor device fabrication, industrial IoT, embedded systems, precision/smart agriculture, and entrepreneurship in smart agriculture.
- Emphasis on bridging the gap between theoretical knowledge and practical application, equipping individuals with relevant skills for the evolving technological landscape.
- Immersion in precision agriculture through innovative courses, providing profound insights into modern agricultural practices intertwined with advanced technologies.
- Fostering a culture of innovation, collaboration, and continuous learning among participants, instilling a mindset geared towards impactful change.
- Extending the impact of skill training initiatives beyond the institute, resonating across India's technological landscape and positioning the nation as a global player.

#### CSIR-NGRI

- Participants were comprehensively trained in class room, hands on practices and live field demos, resulting in significant improvements in their competency levels in the S&T sector of Earth sciences through training/skilling in diverse areas of earth sciences
- 8 training programs were conducted during 2023-24
- 251 participants trained (including internship and Dissertation) in various fields of earth sciences for the period
- In the feedback, participants provided a rating of more than 90%

#### CSIR-NIO

- Successfully curated and submitted two courses on CMRM (Coastal Marine Resource Manager) and HPLC (High Performance Liquid Chromatography) to LSSSDC for further approval.
- Two National Level Workshops were conducted "Blue Economy Workshop held on 17th – 18th August 2023" and "Biodiversity Assessment through Molecular Approach workshop, that was conducted on 16th - 18th January 2024".
- Tech Demo on Green Mussel Cultivation was commenced in the month of January 2024, at Veem. This workshop has inspired several entrepreneurs across Goa and one student from our institute itself to venture into the fisheries industry
- Successfully establishment a state-of-the-art greenhouse infrastructure facilities to carry out further to carry out further workshops on fertilizer Development
- Crafting an exceptional website for skill development it is a precise blend of user –friendly interface design, comprehensive content and interactive features to foster effective learning experience .
- Link: <http://sites.google.com/view/nioskilldevelopment/home>

#### CSIR-NPL

Imparted training to the stakeholders listed in the table. A total number of 484 participants have been trained through various training programs under the umbrella of this projects. Also provided training to the adequate number of students

of Precision Measurement and Quality Control (PMQC Certificate Course ) and most of them placed in the industries. Major achievement is Precision Measurement and Quality Control is recognized as PG Diploma under AcSIR.

## 7. Risks Identified/ Mitigated

CSIR-CCMB
NIL

CSIR-CDRI
NIL

CSIR-CFTRI
<p>a. Extended duration of NSQF aligned programs: Till 2021-22, we were able to conduct many NSQF aligned SDP courses with duration of 4-5weeks. Due to extended duration of 8-weeks (400 hours), we are facing shortage of resources (both manpower and laboratory space) as the labs are using optimally (shared for research purpose, students of PhD &amp; MSc, students of dissertation &amp; internship) and it is very difficult to dedicate the labs exclusively for SDP courses. The problem has not solved as of now and we were not able to conduct any such SDPs in the last FY also.</p> <p>b. The staff strength has been reducing very rapidly which causes issues of less faculty or zero faculty for certain topics/areas. Though some Scientists were joined in this FY, they are yet to take responsibilities. The Institute has started the process of recruitment of Scientific &amp; Technical staff. External faculties (including retired CSIR-CFTRI staff) were invited for specific topics and hopefully we may able to use the services of newly joined faculty in 2024-25.</p> <p>c. Many participants facing issues in travelling to reach the Institute – Mysuru in short notice. It is also noticed that Govt departments and industry people wants to arrange training programme for their staff (or sponsored), travelling arrangements were always problem for them and at least two months buffer/lead time is required. Hence it becomes a hurdle to meet the timelines. We are exploring the feasibility to arrange training programmes at our resource centres situated at Lucknow and Hyderabad.</p>

CSIR-CIMAP
NIL

CSIR-IGIB
NIL

CSIR-IHBT
Faced difficulties in getting applications an placement of trainees especially for QPs

#### CSIR-IICB

- The graduates and post graduates are lacking of hands-on training which could be mitigated by imparting SDPs at CSIR-IICB, Kolkata
- After completion of skilling course, Trainees are not updating their placement information in the google sheet provided to them.

#### CSIR-IIIM

It is proposed to start two job-oriented skill development programs for fy 2024-2025

#### CSIR-IMTECH

The country is facing problem that in life sciences & Biotechnology & Pharma Industries involved in Drug Discovery and testing facilities, there is shortage of trained workforce especially capabilities to test drugs in animals. IMTech Centre for Animal Resources & Experimentation (iCARE) of CSIR-IMTECH is actively imparting such important trainings to the students. CSIRIMTECH has been Conditionally Accredited with Agricultural Skill Council of India (ASCI) for Laboratory Animal Attendant Course QP Code: AGR/Q4606 NSQF Level: 4.

In India, major challenges to skills development in India is expanding public sector collaboration with industry and the private sector, and women's low participation in these programs. To overcome challenge of public and private sector collaboration, CSIR-IMTECH and Merck joined together to setup a High-tech Skill Development Center at CSIR-IMTECH. The center has been engaged in organizing various skill training programs successfully. In addition, to mitigate problem of women's participation in skill development programs, CSIR-IMTECH been providing equal opportunities to men and the women, young and adults; and divyang students to participate in our skill development programs organized from time to time.



#### CSIR-IITR

- Problems with placement of Candidates. Yet, we could generate employment for at least a few students by communicating with them about various job opportunities.
- Renewal of TP/TC: The issue of the same PAN number on the TP/TC portal across labs has been resolved with the cooperation of NSDC & CSIR-HQ

#### CSIR-NBRI

NIL

#### CSIR-CLRI

NIL

#### **CSIR-CECRI**

1. We have been conducting our SDT Programs through offline for a quite longer time after post pandemic period.
2. We have clarified every student doubts up to their understanding level and provided hands on training in the laboratory by showing the related equipment physically.
3. There are few issues related to infrastructure use while conducting SDT programmes, but those are made available immediately and successfully completed the trainings.
4. We have provided better local hospitality and accommodation to all participants from outside Karaikudi at the times of training.

#### **CSIR-CSMCRI**

NIL

#### **CSIR-CIMFR**

The SDP programmes, being conducted by CSIR-CIMFR, under the CSIR-Integrated Skill Initiative are not National Skills Qualifications Framework (NSQF) aligned courses prescribed by mining and fuel sector skill councils. As a result, the institute is unable to issue certificate under NSQF, which is recognized certification for competency needed at any level through formal, non-formal or informal learning.

Initiatives have been made to develop Qualification Files (QFs) and National Occupational Standards (NOSs) for few of the existing courses for obtaining NSQF accreditation like, Flameproof Equipment Safety, Coal Preparation and Coke Making, Coal Sampling & Coal Analysis, Coal Combustion and Environmental Impact. Based on our expertise and infrastructure, few programmes have also been identified from the already NSQF approved courses under Skill Council for Mining Sector (SCMS), viz. Assistant Mine Surveyor, Shot Firer/Blaster and Strata Monitoring Operator, which will be taken up shortly.

#### **CSIR-IICT**

Road Shows / placement drives may need to be organized (theme wise) to facilitate better employment / entrepreneurship opportunities for the certified trainees

#### **CSIR-IIP**

A comprehensive approach pan-CSIR on uniform training fee, course content and guidelines for execution of Skill Development Training programs need to be formalized(suggestion).

#### **CSIR-NCL**

1. Inadequate infrastructure, especially for training/skilling purposes: Plan to create a suitable infrastructure for skilling is underway.
2. Unavailability of the scientists and technical staff due to their engagement in many other laboratory activities.
3. Employment opportunity for the SDP participants: CSIR-NCL plans to have chemical and pharma industries on board to help design the future course based on the industrial demands- This will enhance the employability chances of the participants.



#### CSIR-NEIST

- a) Less numbers of companies in manufacturing sector in this part of the country is a challenge for our trainees to get employed.
- b) Request for additional fund for accommodating more numbers of training programs

#### CSIR-NIIST

NIL

#### CSIR-AMPRI

NIL

#### CSIR-CBRI

- ✓ **Structural Pest Management** – It targets to respond the challenges of controlling the household pests through prevention, avoidance, monitoring, and suppression techniques to efficiently manage pest populations while minimizing risk to economy, human health & environmental factors such as soil, water, air, plant etc through planned and structured skill development training programs under NIRDPR accreditation.
- ✓ **Disaster Mitigation** - While these hazards cannot be prevented from occurring, mitigation planning focuses on reducing the impact of such events when they do occur. Mitigation strategies include actions taken that will substantially reduce or eliminate repetitive losses due to the occurrence of the same hazard.
- ✓ **Fire Safety** - It aims at conducting research and development related to fire retardant, resistance, detection, limitation and modelling with special reference to building and industrial sectors. The lab is occupied with unique state-of the art facility which provides solutions to avoid fire hazards throughout the country.
- ✓ **Energy Efficient Rural and Urban Housing** - Research carried out in the Efficiency of Buildings Division is directed towards ensuring comfortable environment through proper orientation, thermal insulation, window design, noise isolation as well as energy conservation in buildings. The energy conservation aspect includes maximum utilization of natural ventilation, daylight and solar energy for satisfying energy needs in buildings and providing comfortable environmental conditions indoors.
- ✓ **Building Materials** – Various Research and development work have been done for developing green construction materials as conventional methods & techniques of construction are affecting environment. For creating sustainable habitat, emerging green building materials like Bamboo, Light Weight Aggregates, Geo-polymer Concrete, Wood Plastic Composites and C&D Recycled wastes must be used so that load on the earth environment and harm to the human health could be minimum.
- ✓ **Rehabilitation of Structures** - Research and development work in the Structural Engineering is directed towards developing design and construction methods for safe, efficient and economical structures and enhancing the safety and life of existing structures.

#### **CSIR-CGCRI**

In some cases, Artisans are reluctant to come to the institute for training programme due to several reasons such as transportation, time, loss of wages etc. In order to overcome this problem, the training programme (SDP-TP) was organized at their place which is convenient for them.

#### **CSIR-CMERI**

Conducting NSDC courses with its comparatively longer duration and arranging participants have become an issue, which is to be sorted out.

#### **CSIR-CRRI**

NIL

#### **CSIR-IMMT**

NIL

#### **CSIR-NAL**

Encountered technical issues with Skill India portal with regards to Batch creation, Assessment Certification changes, Candidates' registration for training programs, updating of attendance for trainees, fixing of Examination schedules after course completion.

In addition to the above issues, CSIR-NAL has informed our concerned Sector Skill Council viz, Aerospace and Aviation Sector Skill Council (AASSC) and also CSIR HRDC to take up the matter with NSDC to resolve issues related to affiliation and accreditation for Training Partner and Training Centre for various Lab Roles

#### **CSIR-NML**

- Less societal awareness regarding skills
- Lack of confidence among the participants about the employability after skill training.
- Lack of Hostel facility to run the residential training program.

#### **CSIR-NEERI**

- Availability of facilities and faculties for long duration skill programs.
- Aligning NSDC accredited SDPs in line with CSIR-NEERI system
- Due weightage of SDP works for future prospects

#### **CSIR-SERC**

It is noticed that training programmes on related subjects / topics are available to the interested participants at competitive fees. Therefore, as a risk mitigation measure during 2024-25, it is proposed to redesign / reposition the training programmes w.r.t. content and delivery to attract the more participants. The course fee structure is also planned to be suitably revised.

**CSIR-NIScPR**

NIL

**CSIR-4PI**

**Resource Constraints:** Limited resources, including staff and infrastructure, posed challenges in scaling up training initiatives and accommodating a larger number of participants. Proactive planning and efficient resource utilization helped mitigate these constraints, ensuring the successful execution of educational programs.

**CSIR-CSIO**

The Skill development is the most important aspect for the development of any country. India has a huge 'demographic dividend' which means that it has very high scope of providing skilled manpower to the market and become global capital for skilled manpower. This needs a combined and coordinated effort from all the stakeholders involved in skill development which including the main pillars named Government agencies/NSDC, Industries, Educational and training institutes and Trainees/Job seekers.

But, various risks are involved in skill development while providing the proper trained manpower as per market need.

The risks are identified in skill development:

- Awareness, mindset and perception issues
- Poor response and preferences for skill development courses
- Limited acceptance of skill development courses as a viable alternative to formal education
- Direct admission without assessment
- Low Student Mobilization
- lack of industry-academia interaction
- Trainees expected more salary

**CSIR-CEERI**

No Major Risk

**CSIR-NGRI**

Without proper evaluation and feedback, it can be challenging to assess the effectiveness of the training program and make necessary improvements. Mitigate this risk by implementing pre-training assessments to gauge participants' baseline knowledge and skills, as well as post- training evaluations to measure the impact of the training. Feedback from participants to identify areas for improvement and make adjustments as needed for future training programs

**CSIR-NIO**

NIL

### CSIR-NPL


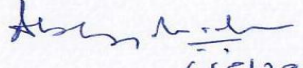
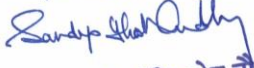


As per the requirements of CSIR Integrated Skill Initiative, trainee lab has to be registered on NSDC Portal, For Registering on NSDC portal appropriate sector skill council is required. CSIR-National Physical Laboratory is the National Metrology Institute (NMI) of India and is responsible for establishment, maintenance, up gradation and dissemination of globally compatible National Standards of Measurement as per the Act of Parliament of India. Through Apex Level Calibration /testing services, R & D projects, training programs and consultancy services, CSIR-NPL is striving towards nation's industrial goals and contributing significantly to the socio-economic growth of India. In India, there are more than 4000 NABL accredited testing and calibration laboratories and there are many more unaccredited laboratories in government and private sectors. These laboratories essentially need a substantial number of Skilled Manpower to cater evergrowing industrial needs, and CSIR-NPL being the pioneering institute in metrology, has proposed a dedicated Sector Skill Council on NSDC portal, with specified training programmes on basic metrology, calibration and testing and measurement uncertainty evaluation etc. For some of the popular free online training was provided so that more number of participants can be trained.



## 8. Directors' Remarks

S.No	Lab Name	Remarks
1	CSIR-CCMB	CSIR-CCMB is committed towards addressing the skill gaps in life sciences space through chiefly upskilling programs
2	CSIR-CDRI	<p>Director's Remarks</p> <p>Multiple skill development programmes in advanced technologies have been successfully completed.</p>
3	CSIR-CFTRI	-
4	CSIR-CIMAP	-
5	CSIR-IGIB	
6	CSIR-IHBT	The efforts of by HRDC for streamlining the programme in all CSIR-Labs for smooth functioning of the project
7	CSIR-IICB	<p>Director's Remarks</p> <p>The skill initiative program was successfully conducted at IICB, which benefitted a good no. of students from all over India.</p> <p>Vishwanath 10/04/24</p>
8	CSIR-IIIM	
9	CSIR-IMTECH	CSIR-IMTECH is committed to bridging the skill gap by imparting training in various fields and is at the forefront of carrying out both short-term and long-term training courses, aimed to strengthen the capacity of youths for sustainable employment.
10	CSIR-IITR	The objectives committed by CSIR-IITR under the project have been satisfactorily met. The team that is headed by the PI Dr Ravi Ram deserves appreciations for the same.
11	CSIR-NBRI	

12	CSIR-CLRI	Report in comprehensive. Has not engaged deliverables.
13	CSIR-CECRI	CSIR-CECRI has conducted good number of Skill Development Training programs during 01/04/23 to 31/03/24 and also Refresher courses. The objectives/goals of the program has been met satisfactorily and has been well received by participants. <i>Penl</i>
14	CSIR-CSMCRI	Committed to train different classes of people through various programs. freewheel to target out. Need to integrate more at national level.
15	CSIR-CIMFR	-
16	CSIR-IICT	Collaboration with state government skill councils and academic institutions will help in reaching out to large aspirants
17	CSIR-IIP	-
18	CSIR-NCL	-
19	CSIR-NEIST	-
20	CSIR-NIIST	<u>yes</u> All Programs are went well.
21	CSIR-AMPRI	-
22	CSIR-CBRI	Director's Remarks: I appreciate the activities of outreach and R&D communication cell. They have taken up many variety of activities.
23	CSIR-CGCRI	CSIR-CGCRI has organized a series of skill development program as a part of CSIR Integrated Skill Initiative under NWP 100. This skill training programs are mainly focused on enhancement of technical and scientific skills such as operation of different sophisticated analytical instruments, sample preparation and analysis of a wide range of materials including glass ceramics and mineral samples, understanding and measurement of different parameters of water etc. Not only a good number of science and engineering postgraduates and undergraduates took part in the training but also several industry professionals participated in these training programs. This training program will not only increase their skills but also increase their employability rate. Another part of these training program includes skill enhancement training on terracotta, pottery, ceramic tiles manufacturing and ceramic whiteware processing which will benefit a good number of local entrepreneurs, artisan and other professional associated with such fields. This will enhance their knowledge, product quality which will



		give a boost on their livelihood. The next financial year the number and frequency of such training program will be increased to provide opportunity to a greater number of students, industrial personals, artists, local entrepreneur etc. so that they can enjoy the benefits of such training program.
24	CSIR-CMERI	"Focus more on MSMEs to build awareness towards developing manufacturing competence"
25	CSIR-CRRI	Successfully conducted 16 Skill Development Programs, three are on offline and Thirteen are online. Total 777 persons have been trained to enhance the skills in Civil Engineering sector. About 63 students ( 61 M.Tech and 2 B.Tech ) Thesis have been completed during the year 2021-22. CSIR-CRRI had got registered in the National Skill Development Corporation for conducting the Skill Development courses in future by aligning the various skill development Sectors. The feedback on the skill development programs conducted by CSIR-CRRI is enclosed for the reference
26	CSIR-IMMT	<i>The team led by Dr S.K. Pradhan has done excellent work to train skill many persons. I do have interacted three or four of his programs where the trainees has provided me some excellent feedback. I will hear all the best.</i> 
27	CSIR-NAL	<i>Keep up the good work.</i>  6/5/24
28	CSIR-NML	<i>The program will continue for 2024-25. CSIR-NML will target Diploma students in the area of NME discipline to a large extent</i>  डॉ. संदीप घोष चौधुरी
29	CSIR-NEERI	<i>Useful Program</i>  13/4/24
30	CSIR-SERC	During this period there were 6 courses addressing specific needs of power sector and one course for training engineer's railway were conducted. Feedback from participants is of order of 85 -88 % on an average. We will try to increase number of webinars in future.
31	CSIR-NIScPR	<i>excellent.</i>
32	CSIR-4PI	1) Director's Remarks <i>CSIR-4PI Skill Initiatives are highly appreciated across different Sections. In the year 2023-24 the program have been conducted Satisfactorily by giving trainings and exposure in niche areas of HPC, Data Science, GHA, Ocean modelling etc.</i>  25/4/24

33	<b>CSIR-CSIO</b>	The CSIR-CSIO, Chandigarh has conducted various skill activities under the CSIR-ISI programme throughout the year 2023-24. The participants joined online and offline courses from all India to get the benefits and enhance their knowledge during the workshops. The CSIR-CSIO skill team will offer more practical oriented and hand on exposure courses during the year 2024-25.
34	<b>CSIR-CEERI</b>	<p>The series of skill training courses conducted across CSIR-CEERI campuses underscores our commitment to empowering individuals with cutting-edge skills relevant to today's industries. We are proud of the overwhelmingly positive feedback, indicating our success in providing practical knowledge and hands-on experience. The approval of the semiconductor process technology engineering upskilling course is a testament to our pioneering efforts in bridging skill gaps and fostering innovation. Our focus on entrepreneurship in smart farming and emerging technologies reflects our dedication to staying at the forefront of technological advancements. We remain steadfast in our mission to nurture talent and drive innovation in various sectors.</p>  Dr. P. C. Panchariya Director
35	<b>CSIR-NGRI</b>	<p>12) Director's Remarks: All our training programmes were well-planned and well executed to meet the evolving needs of the participants and the industry.</p> 
36	<b>CSIR-NIO</b>	<p>11) Director's Remarks: The progress of the Skill Development Program is satisfactory. The Project has made significant contribution to the welfare of the fishing community, graduate, postgraduate students and Research scholars.</p>
37	<b>CSIR-NPL</b>	Government of India has ambitions of being a USD 5 trillion economy by 2025. For this, quality infrastructure within the country, that is globally acceptable, has to be put in place. Trained manpower is the backbone of any such infrastructure. Under the skill India initiative, CSIR-NPL is arranging regular training courses. With better and timely support would help scale these much needed program

## 9. Details of Registration on Skill India Portal (SIP)

S.NO.	LAB NAME	Whether registered on Skill India Portal (SIP) as TP ID and TC ID	Training Provider TP ID	Training Centre TC ID
1	CSIR-CCMB	TP/TC Both ID	TP105927	TC208538
2	CSIR-CDRI	TP ID Only	TP124108	-
3	CSIR-CFTRI	TP/TC Both ID	TP107660	TC185612
4	CSIR-CIMAP	TP ID Only	TP130489	-
5	CSIR-IGIB	TP/TC Both ID	TP105925	TC164467
6	CSIR-IHBT	TP/TC Both ID	TP105597	TC197380
7	CSIR-IICB	TP/TC Both ID	TP106210	TC164779
8	CSIR-IIIM	TP/TC Both ID	TP107652	TC198355
9	CSIR-IMTECH	TP/TC Both ID	TP108696	TC186094
10	CSIR-IITR	TP/TC Both ID	TP044900	TC114120
11	CSIR-NBRI	TP/TC Both ID	TP106235	TC185528
12	CSIR-CLRI	TP/TC Both ID	TP105875	CSIR-CLRI Regional Centre Ahmedabad: TC186975 Jalandhar: TC187661 Kanpur: TC187663 Kolkata: TC187666
13	CSIR-CECRI	TP/TC Both ID	TP107604	TC185458
14	CSIR-CSMCRI	TP/TC Both ID	TP106128	TC164852
15	CSIR-CIMFR	TP/TC Both ID	TP099087	TC182964
16	CSIR-IICT	TP/TC Both ID	TP107819	TC193038
17	CSIR-IIP	TP ID Only	TP125400	-
18	CSIR-NCL	TP/TC Both ID	TP106027	TC164621
19	CSIR-NEIST	TP/TC Both ID	TP055798	TC131319
20	CSIR-NIIST	TP/TC Both ID	TP125305	TC197743
21	CSIR-AMPRI	TP/TC Both ID	TP130140	TC256695
22	CSIR-CBRI	TP/TC Both ID	TP107795	TC193370
23	CSIR-CGCRI	TP/TC Both ID	TP107840	TC204781
24	CSIR-CMERI	TP/TC Both ID	TP128001	TC186018
25	CSIR-CRRI	TP/TC Both ID	TP124337	TC124337
26	CSIR-IMMT	TP/TC Both ID	TP107605	TC 164701
27	CSIR-NAL	TP/TC Both ID	TP047145	TC148115
28	CSIR-NML	TP/TC Both ID	TP015265	TC060662
29	CSIR-NEERI	TP/TC Both ID	TC108921	TC180437
30	CSIR-SERC	TP/TC Both ID	TP107757	TC203748
31	CSIR-NIScPR	TP/TC Both ID	TP106055	TC181428
32	CSIR-4PI	-	-	-
33	CSIR-CSIO	TP/TC Both ID	TP125912	TC194711
34	CSIR-CEERI	TP/TC Both ID	TP108366	TC252421
35	CSIR-NGRI	TP/TC Both ID	TP107646	TC257602
36	CSIR-NIO	TP/TC Both ID	TP128174	TC190270
37	CSIR-NPL	TP/TC Both ID	TP ID 106095	TC ID 164454



## 10. Glimpses





### CSIR-CDRI



### CSIR-CFTRI









## CSIR-CIMAP



## CSIR-IGIB



Comparative Genomics



DNA Sequencing



Water Sample Collection



Library Preparation



Sequencing



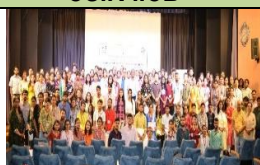
### CSIR-IHBT



### CSIR-IICB



**Session-  
Qtr1/2023-24 (17<sup>th</sup>  
Apr to 28<sup>th</sup> Apr  
2023)**



**Session-Qtr-2/2023-  
24(31st July-11th Aug  
2023)**



**Session-Qtr-3/2023-  
24(28<sup>th</sup> Nov to 11<sup>th</sup>  
Dec 2023)**



**Session-  
Qtr4/2023-24(19<sup>th</sup>  
Feb to 1<sup>st</sup> March  
2024)**



**Skill Development Training course  
on Gas Chromatography – Mass  
Spectrometry**



**Skill Development Training course  
on Liquid Chromatography – Mass  
Spectrometry**



**Skill Development Training course  
on Real-Time PCR Technique**



**Skill Development Training course  
on Molecular Cloning, Protein  
Expression, and Structural  
Characterization**



**Skill Development Training course  
on Clinical Biochemistry,  
Microbiology and Pathology  
Techniques for Biomedical  
Applications**



**II Development Training course on  
Separation Techniques for  
Organic Molecules**



## CSIR-IIIM



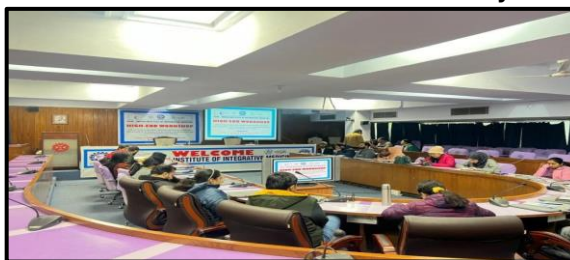
### WORKSHOP ON “SCIENTIFIC & TECHNOLOGICAL INTERVENTIONS IN MEDICINAL & AROMATIC PLANTS FOR RURAL DEVELOPMENT”



### 3 Days Skill Development Training Program Basic Techniques in Drug Discovery and Development



### Hands on Training on Advanced Techniques in Natural Products & Medicinal Chemistry



**LATEST TRENDS IN SCIENTIFIC, MEDICAL AND REGULATORY WRITINGS: UPSCALING SKILLS IN SCIENCE COMMUNICATION AND BRIDGING THE GAP BETWEEN ACADEMIA AND INDUSTRY**



**Agrotech IP Conference “ Nurturing Innovation and Intellectual Property in Plant Varieties and Agri-Startups”**



**Capacity building program for the students of Sholini University to IIIM Jammu**



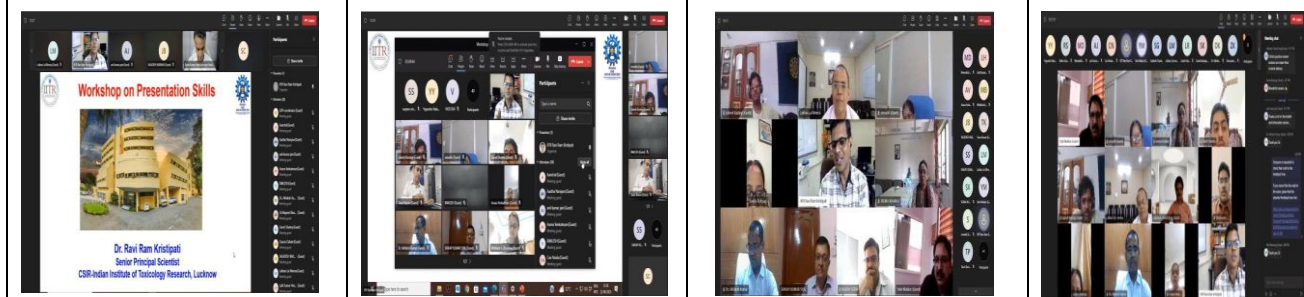
**Capacity Building Program for the students of IIT Jammu, GCOE Jammu, SKUAST-Jammu**



## CSIR-IMTECH



## CSIR-IITR



**Workshop on Genotoxicity ( 14.07.2023)**



**Workshop on Biostatistics for Beginners ( 18.07.2023 - 21.07.2023)**





**By the students and For the students: Workshop on Oxidative and Cellular Stress Assays  
( 27.07.2023 - 28.07.2023 )**



**Workshop on High-End Microscopy ( 11.08.2023)**



**Workshop on Environmental Pollution Predictions and Apportionment of Sources using  
Computational Techniques( 16.08.2023 - 18.08.2023)**



**Workshop on Microbiological Water Safety: Sampling and Testing for Safety Management  
( 21.08.2023 - 01.09.2023 )**





### Workshop on Principles and Applications of Liquid Chromatography-Tandem Mass Spectroscopy( LC-MS/MS) Towards Emerging Contaminants Analysis (Batch-1) ( 13.09.2023 - 15.09.23 )



### Workshop on Transmission Electron Microscopy ( 09.10.2023 - 13.10.2023 )



### Workshop on Computational Toxicology & Bioinformatics ( 25.10.2023 - 28.10.2023 )



### Workshop on Comet Assay ( 21.11.2023)





**Workshop on Principles and Applications of Liquid Chromatography-Tandem Mass Spectroscopy( LC-MS/MS) Towards Emerging Contaminants Analysis (Batch-2) ( 04.12.2023 - 06.12.2023 )**



**Instrumentation and Chemical Analysis ( 14.12.2023 - 22.12.2023 )**



**Workshop on Synthesis and in Vitro Toxicity Evaluation of Silver Nanoparticles ( 18.12.2023 - 19.12.2023 )**



**Workshop on genotoxicity (Destination SDP-Pooja Bhagavat Memorial Mahajana Education Centre, Metagalli, Mysuru, Karnataka) ( 11.12.2023 - 12.12.2023 )**





**Advanced ESDP Training Program on Processing of Plastic and Other Polymeric Products  
( 08.01.2024 - 12.01.2024 )**



**Advanced ESDP Training Program on Techniques Used for soil and water analysis and water Analysis and Quality Assessment for better agriculture practices ( 15.01.2024 - 19.01.2024 )**



**International Pre-Pre-Conference Workshop on Methods of Genotoxicity (Destination SDP- CU Kerela, Kasaragod ( 28.01.24 )**



**Advanced ESDP Training Program on Applications of Computational and statistical tools for impact Assessment of Atmospheric air and Water Pollution ( 12.02.24 - 16.02.24 )**





**By the students and For the students: Workshop on DNA Isolation and PCR ( 19.02.24 - 20.02.24 )**



**Workshop on Quality Management System ISO/IEC 17025:2017 acquaintance to requirements for chemical and biological laboratories ( 28.02.2024 - 29.02.2024 )**



**Workshop on Nanomaterial Characterization ( 12.03.24 - 13.03.24 )**





## CSIR-NBRI



## CSIR-CLRI







### CSIR-CECRI





## CSIR-CSMCRI



Field training on Seaweed Cultivation and Processing Technology



Group photo with participants at Field Station, Tamil Nadu



Industrial visit of participants



Interaction of participants with Director



Training program on Theory and practical aspects of household solar thermal

## CSIR-CIMFR



Refresher course cum Upskilling program on “Coal Quality Up-gradation, Sampling, and Preparation for Industrial Application” [CMP-2023] conducted during 02-04 May 2023



Skill Development Program on “Mechanical Safety in Mines” was conducted for B.Tech Mechanical Students during 28 June to 27 July, 2023.



An Executive cum Skill Development Programme on “Recent Advances in Mines Fire, Ventilation, Miner's Health” was conducted during 11th -15th September, 2023







**Skill-cum-Entrepreneurship Development Program on “An IoT based Automation for Energy Efficient Mining System” for B. Tech Students of ECE/EIE/EE/EEE/CSE/MINING was conducted during 04-08 December, 2023.**



**Skill Development Program on “Analytical Chemistry and its application in soil and water analysis” was conducted for M.Sc. (Chemistry) students during 11-15 December, 2023.**

### Glimpses of Paper Cutting of Programmes





**सिफर में कौशल विकास कार्यक्रम का समापन**  
**घनबाद : केंद्रीय खनन एवं ईंधन अनुसंधान संस्थान - सिफर के मानव संसाधन विभाग व कार्बाइडोशन एंड एवायरनमेंट रिसर्च ग्रुप की ओर से आयोजित कौशल विकास कार्यक्रम का शुक्रवार को समापन हुआ। विश्लेषणात्मक रसायन, मुद्रा व जल विश्लेषण पर इसके अनुप्रयोग पर आयोजित कार्यक्रम में डा. मनीष कुमार ने विभिन्न क्षेत्रों में विश्लेषणात्मक रसायन विज्ञान से जुड़ी कई जानकारी दी। नमूना तैयार करने, डाटा विश्लेषण और व्याख्या जैसे उपकरणों पर व्यावहारिक प्रशिक्षण भी दिया गया। राज्य के विभिन्न कालेज व विश्वविद्यालयों से 20 प्रतिभागियों ने भाग लिया जिन्हें प्रमाणपत्र व स्मृति चिह्न भेंट किया गया। डा. जेके पांडेय, डा. आरई मेस्टो, दिलीप कुम्भार थे। (जास)**

## सिफर : मिट्टी और जल विश्लेषण पर कार्यशाला

**सिफर, 12 मई** - सिफर इंस्टीट्यूट ऑफ टेक्नॉलॉजी के मानव संसाधन विभाग, सिफर और मिट्टी और जल विश्लेषण पर आयोजित कार्यक्रम का शुक्रवार को समापन हुआ। विश्लेषणात्मक रसायन, मुद्रा व जल विश्लेषण पर इसके अनुप्रयोग पर आयोजित कार्यक्रम में डा. मनीष कुमार ने विभिन्न क्षेत्रों में विश्लेषणात्मक रसायन विज्ञान से जुड़ी कई जानकारी दी। नमूना तैयार करने, डाटा विश्लेषण और व्याख्या जैसे उपकरणों पर व्यावहारिक प्रशिक्षण भी दिया गया। राज्य के विभिन्न कालेज व विश्वविद्यालयों से 20 प्रतिभागियों ने भाग लिया जिन्हें प्रमाणपत्र व स्मृति चिह्न भेंट किया गया। डा. जेके पांडेय, डा. आरई मेस्टो, दिलीप कुम्भार थे। (जास)



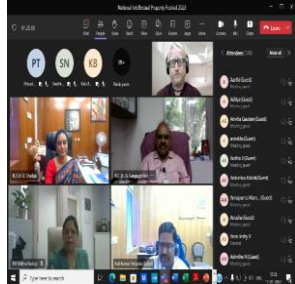
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## कौशल विकास पर पांच दिवसीय कार्यशाला संपन्न

**सिफर** - सिफर इंस्टीट्यूट ऑफ टेक्नॉलॉजी के मानव संसाधन विभाग, सिफर और मिट्टी और जल विश्लेषण पर आयोजित कार्यक्रम का शुक्रवार को समापन हुआ। विश्लेषणात्मक रसायन, मुद्रा व जल विश्लेषण पर इसके अनुप्रयोग पर आयोजित कार्यक्रम में डा. मनीष कुमार ने विभिन्न क्षेत्रों में विश्लेषणात्मक रसायन विज्ञान से जुड़ी कई जानकारी दी। नमूना तैयार करने, डाटा विश्लेषण और व्याख्या जैसे उपकरणों पर व्यावहारिक प्रशिक्षण भी दिया गया। राज्य के विभिन्न कालेज व विश्वविद्यालयों से 20 प्रतिभागियों ने भाग लिया जिन्हें प्रमाणपत्र व स्मृति चिह्न भेंट किया गया। डा. जेके पांडेय, डा. आरई मेस्टो, दिलीप कुम्भार थे। (जास)



## CSIR-IICT





## CSIR-IIP



Participants of program on 'Analysis using Chromatography and Mass Spectrometry'



Participants of program on 'Analysis with Elemental, Microscopic and Thermo-gravimetric Tools'

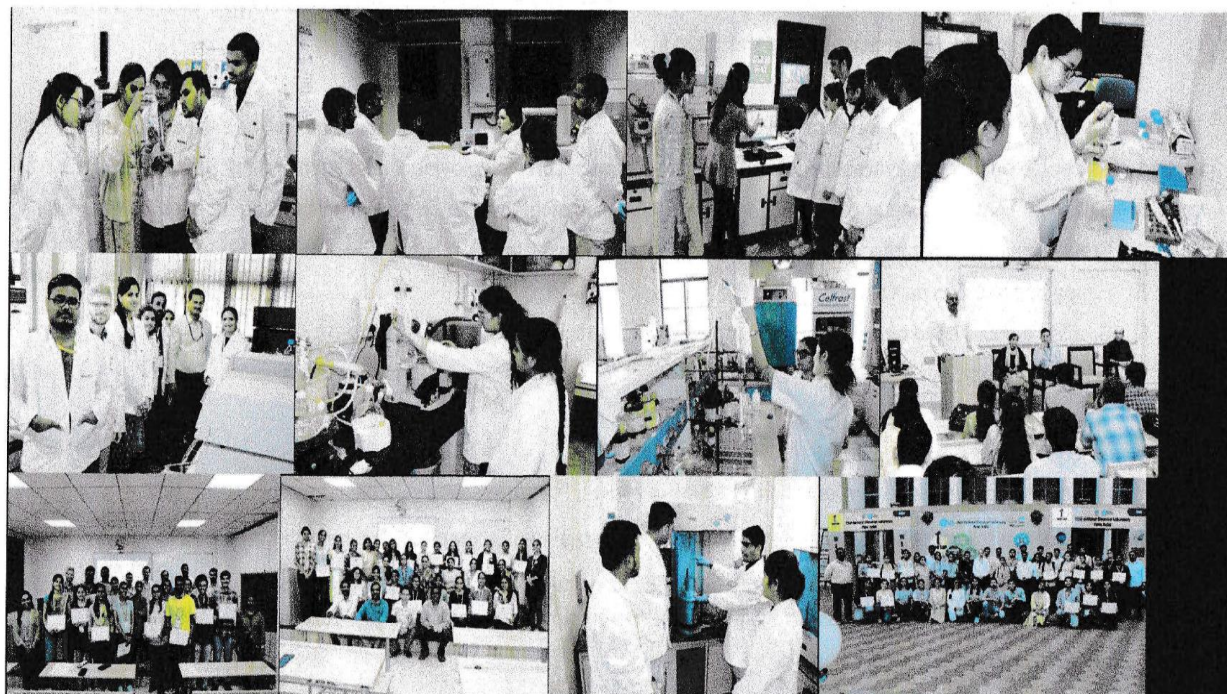


Participants of program on 'Spectroscopic Analytical Techniques IR-NMR'



Participants of Program on 'Testing of Petroleum Products'

## CSIR-NCL





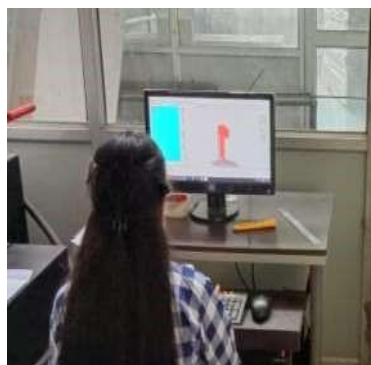
## CSIR-NEIST



Group photo of students and trainers after completion of skill development training



Training on CNC Machining and turning



Training on Auto CAD (Mechanical Draughting)



Training on fitting and plumbing



Training on basic and advanced welding



Training for Assistant Electrician



Online training on AI-ML (Artificial Intelligence and Machine Learning)





Training for LED assembly and manufacturing



## CSIR-NIIST







### CSIR-AMPRI



Training Program, on Basic Analytical Skills in Biomedical Research for Sant Hirdaram Girls College, Bhopal on 16 August 2023



Training Program on CNC Turner, Conventional Turner, Welder & Fitter for LNCT, BHOPAL 19-20 October 2023



Training Program for Eklavya Model Residential School Date on 24-11-2023





2 weeks Training from 1 to 14 Aug 2023 o "LSPR Substrate for investigation of micro plastic " for Government Holkar (Model Autonomous) Science College, Indore (M.P.)



Training Program Dr. A. P. J. Abdul Kalam UIT Jhabua Date 09-10-2023



Training Program LNCT BHOPAL 26-27 December 2023

### CSIR-CBRI



Training Programme on General Pest Management - Technician



Training Programme on Repair & Retrofitting of Buildings





**Training Programme on Building Construction Systems (Trainees Batch - I)**



**Training Programme on Building Construction Systems (Trainees Batch - II)**



**Advance Training Programme on Repair & Retrofitting of Buildings**

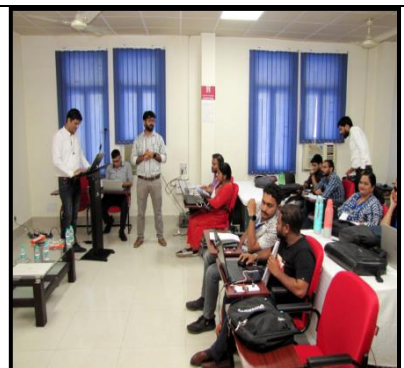


**Training Programme on Conservation and Restoration of Heritage Structures**





**Training Course on Landslide Disaster Mitigation with Reference to Infrastructures**



**Hands-on Training on IoT Implementation in Civil Engineering: Bridging the Gap**



**Training on Issues, Challenges and Way Forward for Burnt Clay Brick Industry**



**Indo-Swiss Workshop on Modelling Rock-ice Avalanches, Rock Falls & Debris Flow**





**Training Programme on Design of Fire Protection Measures**



**Training Programme on Master Trainers for Masons**



**Training Programme on Durability and Repairs of RC Structures**



**Workshop on Prevention and Control of Buildings from Harmful Trees**





**Training Program on Building Construction: Village Problems - A Solution Journey**



**Training on Design, Construction and Operation: SOP & Advances in Burnt Clay Brick Industry**



**Training Programme on Master Trainers for Masons**



**Training Programme on Building Construction Practices**







# CSIR-CGCRI









## CSIR-CMERI



## CSIR-CRRI

### 15day Certification Course on "Road Safety Audit and Other Road Safety Related Aspects" 15 to 30<sup>th</sup> November 2023



**Practicals preparation for the 15day Certification Course on "Road Safety Audit and Other Road Safety Related Aspects" 15 to 30<sup>th</sup> November 2023**



**"New Technology Initiatives in Rural Roads including use of Marginal Materials" for the officials of NRIDA from March 04 - 08, 2024**



**Defensive Driving & AI Assistance training! in i-RASTE project (29th Jan -2nd Feb 2024)**





CSIR-IMMT



तालाब राख ईंट प्रौद्योगिकी पर प्रशिक्षण कार्यक्रम हुआ

[illegible]

नयाचार को जोर देते हुए, सीएसआईआर-अईएसएमटी, भुवनेश्वर के निदेशक डॉ. रामानुज नायरपन ने आज प्राप्त कठोर समय नवीन को महत्व सीधे नवीन और नवीन ढंग से सोचने के माहल पर प्रकाश डाला। नयाचार, शिक्षा और सामंजस्य की विरासत के संरक्षण के लिए संस्थान की प्रतिक्रिया पर चर्चा करते हुए उन्होंने इसका उत्प्रेक्ष किया। पताई एका का महत्व, संभवतः पर्यावरणीय स्थिरता को तकनीकी नयाचार के संदर्भ में।

डॉ. रामानुज ने जीव प्रौद्योगिकी के अज्ञानजनक भविष्य पर जोर दिया और इस क्षेत्र में रुचि रखने वाले व्यक्तियों को

प्रशिक्षण लेने के लिए प्रोत्साहित किया क्योंकि इसमें ओडिशा और गुजरात को लाभ होगा। पॉपटे एंड प्रिन्स टेक्नोलॉजी में कोशल विकास के बारे में विचार से बचते हुए उन्होंने जीवन और ज्ञान के विभिन्न पहलुओं में समाधान विज्ञान के मौलिक महत्व पर जोर दिया। एंजलिनकम संदर्भ देते हुए उन्होंने इहम्प्रा में एक नए प्राचीन वास्तुशिल्प के बारे में चर्चा की और उन्हें आधुनिक वास्तुशिल्प कोशल और तकनीकों से जोड़ा। उन्होंने जी अन्नाथ मंदिर के वास्तुशिल्प चमत्कारों के पीछे वैज्ञानिक महत्व पर भी प्रकाश डाला, जो संभवतः वैज्ञानिक के साथ पारंपरिक शिक्षा

कोशल के मित्रण का संकेत देता है। काश्रम में बौधायन-12894;2002 को युक्ति करते वाली तालाब तथा मिर्गायों ईंटों के निर्माण में अच्छी प्रथाओं को बारे में विस्तार से बताया गया, ताकि ईंट आसानी से बनाई जा सके। काश्रम के अग्रज संघर्ष में खर्च और जल उपयोग के साथ टिकाऊ है। इस एक दिवसीय कोशल विचार काश्रम के माध्यम से प्रतिभागियों ने तालाब को राख से ईंट बनाने की प्रक्रिया के बारे में बानीयों को और सीखा। प्रतिभागियों ने सजावन को और कोशल विकास के लिए समर्थन-समय पर इस तरह के काश्रम आयोजित करने का अनुरोध किया।



## CSIR-NAL



Aerospace CNC Machinist Course



Course on Linear Algebra



GD&T course



Course Certificate



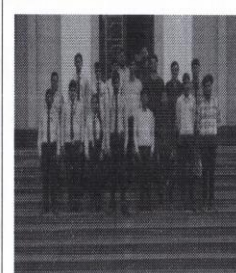
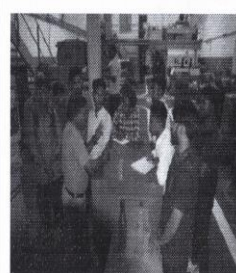
Course Certificate



Aerospace CNC Machinist Course



## CSIR-NML



## CSIR-NEERI





## CSIR-SERC



## CSIR-NIScPR



Workshop on Science Communication (13 September 2023)



Workshop on Science Communication (13 September 2023)



Workshop on Science Communication (22 September 2023)





Basics of Koha Software (14-15 December 2023)



Basics of Koha Software (14-15 December 2023)

### CSIR-4PI



### CSIR-CSIO











### CSIR-CEERI









### CSIR-NGRI



### CSIR-NIO







## CSIR-NPL



**Training Programme on Force, Torque and Hardness Metrology and their Applications**



**Training Programme on Advanced Spectroscopy**



**Training Programme on Advanced Materials Characterization Techniques**



Training Programme on Air Quality Measurements



Training Programme on Mass, Volume, Density and Viscosity Metrology



Training Programme on Metrology in Chemistry (MiC) – Practical Training on ICP-MS to determine mass fraction of measurand



Training Programme on Pressure and Vacuum, Ultrasonic Metrology and Non-Destructive Testing



Training Programme on Acoustics and Vibration Metrology and Noise Control



Training Programme on Optical Radiation Metrology