



## CSIR Integrated Skill Initiative - Phase II (2020-2025)

### Annual Report (FY 2022-23)



CSIR – Human Resource Development Centre (HRDC),  
Ghaziabad

July, 2023

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## 1. Overview on 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 in developing high quality human resources in trans-disciplinary areas connect. 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 *Dr. Harsh Vardhan*, Hon'ble Minister of Science & Technology and Earth Sciences and Vice President, CSIR on September 23, 2016 which covers different domains of industrial/service sectors. The launched skill programmes of various levels have catered to diverse cross section of people beginning with School dropouts to Farmers to ITI diploma holders to graduates. CSIR has taken skill/training programme as a great opportunity to extend its technical expertise for the benefit of the society.

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

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. 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 commenced in April 2020 and so far, completed **1600** programmes with around **1.00 lakh** trained manpower. The Programme was initially handled by CSIR Headquarters and during the year 2019 the same was transferred to CSIR-HRDC.

The Five-year programme of **CSIR Integrated Skill Initiative - Phase II** has started in the month of April 2020 and will continue till March 2025.

**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, Bhubaneshwar - 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.**)

**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 is exploring possible collaboration with individual Sector Skill Councils (SSC) to widen its technical contribution to the National Occupational Standards (NOS) in the years to come.

## 2. Executive Summary

The Second Phase commenced in April 2020 and so far, completed **1600** programmes with around **1.00 lakh** trained manpower. During the current Phase (2<sup>nd</sup>) the Programme could achieve tremendous development by focusing on NSQC aligned skill development trainings. For this purpose, **35** CSIR laboratories got registered on **Skill India Portal** (SIP) as Training Provider (TP) and have created Training Centres (TCs) for national level Accreditation and Affiliation to this Initiative. The **Programme is on-board** on SIP now and CSIR-Human Resource Development Centre (HRDC), Ghaziabad has been authorised to Approve TCs and individual Schemes submitted by CSIR laboratories under the subject Programme. The purpose of undergoing this exercise was to **enhance employability** and achieve employment generation to the trainees, which is one of the objectives and deliverables of the Programme. So far, CSIR-HRDC has approved **82 SDP Schemes** submitted by participating laboratories on the Portal.

As recommended by the Monitoring Committee in its last meeting held on 4 May 2022, CSIR-HRDC wrote to M/s National Skill Development Corporation (NSDC), New Delhi requesting them to get this Programme on-board on the Skill India Portal (SIP) and authorise CSIR-HRDC to approve various Schemes of CSIR laboratories submitted on SIP. After a couple of meetings held jointly with CSIR laboratories and NSDC top management, the request was accepted by NSDC and the beneficiaries' precise data has now become accessible to the industry through SIP. One-one meeting with CEOs of Sector Skill Councils (SSCs) from the following industries were also organised to explore possible affiliation of CSIR programmes in line with national standards and also enhance CSIR scientists' contribution to the National Occupational Standards (NOS):

- |                        |                             |
|------------------------|-----------------------------|
| - Aerospace & Aviation | - Green Jobs                |
| - Agriculture          | - Handicrafts & Carpets     |
| - Construction         | - Capital Goods & Strategic |
| - Electronics          | - Life Sciences             |

*Proforma* for enrolling trainees and *feedback form* to assess the effectiveness of each program was designed and circulated to all participating laboratories for use. A temporary arrangement has been made to capture precise data of the beneficiaries by way of *Google Sheet* which is being updated by Lab Nodal Officers online periodically.

In order to share the experiences and knowledge and to promote healthy interaction amongst CSIR Skill Nodal Team, a **2-day Coordinators' Conclave-cum-Workshop** was organised at Goa during February 2023, which received overwhelming response and appreciation from various stakeholders.

During the course of action, it was realised by Nodal Team that the Qualifications as available for use on the National Qualifications Register (NQR) are basically up-to NSQF Level 4, while CSIR's technical expertise falls above the Level 5. This motivated the workforce to start drafting course modules and new qualifications for possible inclusion in the NQR, after formal review and approval by National Council for Vocational Education and Training (NCVET).

Through such effort, one standalone NOS "*Advanced Hands-on-Training in Semiconductor Process Technologies*" (NSQF Level-6) has been submitted to NCVET through Electronics Sector SSC. Similar proposal is also under discussion with Handicrafts & Carpets, Hydrocarbon and Life Sciences SSC.

Designing of an interactive web-portal exclusively for this Programme connecting all stakeholders, is under progress.



CSIR family records its sincere thanks to each member of the Monitoring Committee for their guidance to make this Programme, a grand success.

### 3. Milestones Reached during 2022-23

#### a) Programmes Conducted

CSIR labs trained **23,590** number of trainees through **708** number of skilling /reskilling training programmes during the year 2022-23 with an average feedback rating of **88.25%** and **51.69%** of employment generation.

S.No	Lab Name	Number of Programmes	Number of Trainees	Overall Feedback Rating Average %	Employment Generated (in %)
1.	CSIR-CCMB	21	364	92.40	-
2.	CSIR-CDRI	10	289	86.33	-
3.	CSIR-CFTRI	24	517	99.16	-
4.	CSIR-CIMAP	12	186	49.75	-
5.	CSIR-IGIB	6	308	80.00	42.85
6.	CSIR-IHBT	18	623	90.91	-
7.	CSIR-IICB	26	169	91.50	-
8.	CSIR-IIIM	33	786		-
9.	CSIR-IMTECH	47	2707	93.20	-
10.	CSIR-IITR	21	741	94.00	-
11.	CSIR-NBRI	18	351	94.47	-
12.	CSIR-CLRI	16	1206	93.00	97.00
13.	CSIR-CECRI	26	1171	88.21	20.80
14.	CSIR-CSMCRI	20	537	75.00	-
15.	CSIR-CIMFR	7	384	91.96	-
16.	CSIR-IICT	19	614	90.00	66.40
17.	CSIR-IIP	9	68	86.00	14.30
18.	CSIR-NCL	12	153	99.00	30.00
19.	CSIR-NEIST	8	107	79.38	71.86
20.	CSIR-NIIST	17	637	91.00	-

21.	CSIR-AMPRI	55	797		-
22.	CSIR-CBRI	15	665	88.09	-
23.	CSIR-CGCRI	14	309	95.77	15.00
24.	CSIR-CMERI	58	1083	91.72	35.40
25.	CSIR-CRRI	24	1488		80.00
26.	CSIR-IMMT	15	539	99.00	-
27.	CSIR-NAL	8	337	90.00	-
28.	CSIR-NML	21	681	89.22	-
29.	CSIR-NEERI	13	250	90.71	-
30.	CSIR-SERC	18	473	80.06	-
31.	CSIR-NIScPR	6	78	95.00	-
32.	CSIR-4PI	5	197		-
33.	CSIR-CSIO	42	3216	65.00	95.00
34.	CSIR-CEERI	6	99	95.00	-
35.	CSIR-NGRI	4	72	90.75	-
36.	CSIR-NIO	12	661		-
37.	CSIR-NPL	22	727	88.30	-
<b>GRAND TOTAL</b>		<b>708</b>	<b>23590</b>	<b>88.25%</b>	<b>51.69%</b>

**Customer Satisfaction Score (CSAT) = 88.25%**

**Employability Generated = 51.69%**

### 3.(ii) Plant & Machinery Created

S.NO.	LAB NAME	FACILITY	SECTOR	STATUS	PURPOSE	EXPENDITURE
1	CSIR-CCMB	NIL				
2	CSIR-CDRI	NIL				
3	CSIR-CFTRI	NIL				
4	CSIR-CIMAP	Sigma plot 15 Software (Academic, single user, Perpetual License)	Software	Installed	For statistical data & graph analysis of plant-based RNA-Seq Transcriptome NGS data	0.496
		Alva Desc 2.0 Software (Academic, single user, Perpetual License)	Software	Installed	For calculation of chemical properties (descriptor) of small molecules & data filtering study through correlation PCA t SNE method	0.720
5	CSIR-IGIB	NIL				
6	CSIR-IHBT	Upgradation of labs/ classrooms Air conditioners (02 No.) & Furniture	Biological and Chemical Sciences	Completed	Upgradation of labs/ classrooms	0.955
7	CSIR-IICB	NIL				
8	CSIR-IIIM	NIL				
9	CSIR-IMTECH	NIL				
10	CSIR-IITR	NIL				
11	CSIR-NBRI	Extension/upgradation of the Open Air Interpretation Centre	Botanic Garden	Completed	As an introduction Centre for the trainees and visitors	5.790
12	CSIR-CLRI	Skill Development, Training and Quality Assurance Centre	Leather, Leather Products and Allied	Progressing	Skill Training	32.000

			Sciences			
13	CSIR-CECRI	NIL				
14	CSIR-CSMCRI	Renovation of training hall and MARS	Marine Algal Research Station (MARS), Mandapam, Tamil Nadu	Completed	To be used for lectures during training programs	Renovation of training hall and MARS
15	CSIR-CIMFR	IT TRAINING HUB	Multi-Disciplinary	Completed	To facilitate training in the field of IT and its application in various mining and fuel related skill development programs	--
16	CSIR-IICT	NIL				
17	CSIR-IIP	NIL				
18	CSIR-NCL	NIL				
19	CSIR-NEIST	NIL				
20	CSIR-NIIST	Additional Classroom Facility Extension	General	Under Progress	Classroom for conducting skill Course	4.000
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	CNC Turning Center	Aerospace CNC Machinist	Under installation and commissioning	Training of students on CNC Programming & Turning	43.700
		Installation of Smart Display Units for classrooms	Teaching	Installation Completed	Interactive teaching for all training programs	3.000
		CIMCO Software Editor	Aerospace CNC Programmer & Aerospace CNC	Installation completed	To train students in CNC program editing and visualization	1.200

			Machinist		n of tool path.	
		CATIA 3D Experience Software	Aerospace Design Assistant - Mechanical	Installation completed	To train students in Aerospace Mechanical Design activities	4.950
28	CSIR-NML	E-waste innovation laboratory	Waste utilization	Completed	Innovation & training	
		Common facilitation centre (CFC) for CSIR-NML's Skill Trainings	Skill and Entrepreneurship development	Ongoing	Common facilitation centre for Entrepreneurship development and accommodation facilities for outstation candidates	
29	CSIR-NEERI	NIL				
30	CSIR-SERC	NIL				
31	CSIR-NIScPR	NIL				
32	CSIR-4PI	NIL				
33	CSIR-CSIO	Creation of 1 <sup>st</sup> Year electronics lab	Electronics	completed	Training of Basic Electronics, Soldering	2.940
		Up-gradation of PLC Lab	Mechatronics	completed	Training of PLC	
34	CSIR-CEERI	Computer room facility	Advance Electronic System	Part of the facility is created in the 2022-2023, still to augment the facility further.	To facilitate the SDP training program smoothly	8.000
35	CSIR-NGRI	NIL				
36	CSIR-NIO	Desktop Computer	Skill Training	completed	Data processing	0.9000
		Printer	Skill Training	completed	Data printing	0.175
		Chair	Skill	completed	Conducting	0.197

			Training	ed	training	
		Trolley	Skill Training	completed	Conducting training	0.136
		Speaker	Skill Training	completed	Conducting training	0.190
		Oven	Skill Training	completed	Conducting training	0.150
		Monitor Screen(2)	Skill Training	completed	Data processing	0.166
37	CSIR-NPL	MATLAB Software	Skill Development	Installed	Research & Training	5.000
		Weighing balance (dual range), Capacity 200g.	Skill Development	Installed	Research & Training	3.000
		Weighing balance (dual range), Capacity 2kg, LC = 0.01	Skill Development	Installed	Research & Training	0.500
		CCD Camera	Skill Development	Installed	Research & Training	2.000
		Environment Monitoring Systems (Temperature sensors, air pressure sensors, humidity sensors with digital /analog display etc.)	Skill Development	Installed	Research & Training	3.300
<b>GRAND TOTAL (Rs. IN LAKHS)</b>						<b>123.460</b>

### 3.(iii) Equipment Acquired

S.NO	LAB NAME	EQUIPMENT	STATUS	PURPOSE	EXPENDITURE
1	CSIR-CCMB	Micro Pipettes	Yes	For dispensing small volumes of reagents	1.480
		Floor Scrubbing Machine	Yes	For use in SDP Trainee hostels	0.870
		Vortex mixers (2Numbers)	Yes	For mixing the samples	0.324

		Vertical Laboratory Deep Freezer 360-400L(Trufrost)	Yes	Store reagents for training program	0.893
		Desktop Computer(acer)	Yes	For storing and analyzing the training data	0.495
		HP multifunction laser printer	Yes	For printing the training related documents	0.248
		Electronic safety Bunsen burner with accessories (FIREBOY+)	Yes	For sterilization purpose	1.213
		Vertical Electrophoresis Apparatus with blotting unit-(Biorad)	Yes	For the separation of nucleic acids (DNA or RNA) and proteins based on their size	2.850
		Table Top Refrigerate Centrifuge Qty-01 (Eppendorf)	Yes	For the separation of temperature-sensitive heterogeneous mixtures of samples	4.100
2.	CSIR-CDRI	NIL			
3.	CSIR-CFTRI	Vertical Cooler	Installed	Storage of fine chemicals and reagents and preservation of experimental products at low temperature	0.701
		Refrigerator	Installed	For storing the food samples or raw materials to be used for demonstration	0.338
		BOD Incubator	Installed	Detection of Biological oxygen demand for the microorganisms	2.900
		Laptop	Installed	For handling	0.950



				the online sessions of SDP/STC and registration desk	
		Three Nos. of Desktops and UPS	Installed	Desktops to be used by the staff responsible for SDP (existing systems are obsolete)	2.019
		Microwave Oven	Installed	For preparation of food samples to be used for demonstration	0.147
		Data Storage System	Installed	Acquisition, storage of the data generated through Skill Development Programmes including registration, photos, video recordings, brochures and other details	2.850
		Virtual Meeting System	Installed	To manage virtual classroom or hybrid class room for SDPs	1.000
		Printer	Installed	Dedicated printer for Trining Programme Unit	0.200
		Shaker bath	Installed	For shaking and mixing of raw material while maintaining a constant temperature during demonstration	
4	CSIR-CIMAP	Customized	YES	Plant RNA –	1.147

		computing workstation		Seq Transcriptome NGS data analysis in Linux ubuntu system	
5	CSIR-IGIB	Cell culture incubator	installed	Cell culture training for skill students	2.050
		Thermo mixer	Installed	Sample preparation for laboratory experiment	0.900
		Computer system	installed	Computational biology	2.120
		Computer Desktops	installed	IT support	1.300
		Cell culture incubator	installed	Cell culture training for skill students	2,050
6	CSIR-IHBT	Projector	Installed	For classroom/ outreach activities	0.848
		Chair	Installed	For classroom	
7	CSIR-IICB	NIL			
8	CSIR-IIIM	All in One (PC)	Installed	For SDP work	3.220
		Water Purifier	Installed	For Drinking water facilities	0.190
		Data Acquisition Centre	Installed	For Data acquisition	1.900
		Oven	Installed	For Visitors	0.149
		Camera	Installed	For Audio/visual	0.724
		Laptop	Installed	For SDP work	1.880
		Refrigerator	Installed	For Visitors	0.359
		Convection Heater	Installed	For heating purpose	0.549
		Air Conditioner	Installed	For cooling	0.468
		UPS	Installed	For IT purpose	0.240
9	CSIR-IMTECH	NIL			
10	CSIR-IITR	Vertical Laminar Air Flow Cabinet	Installed	For microbiology Experiments /course/worksh op	0.882
11	CSIR-NBRI	NIL			
12	CSIR-CLRI	Multifunction Machine Printers	Installed	Support conductance of SDP	40.000
		Refrigerated Centrifuge	Installed		

		Laminar Air Flow Cabinets	Installed		
		LCD Analytical Semi-Micro Balance	Installed		
		Orbital Shaking Incubator	Installed		
		Refrigerators	Installed		
		Autoclave	Installed		
		Water Quality Meter	Installed		
		Network Switch and Accessories	Installed		
		Hydraulic Press	Installed		
		Computer	Installed		
		Mono-computer printer	Installed		
13	CSIR-CECRI	Ceramic Steel White Dry Erase Writing Boards TYPE / PART No.-4ft*3ft	Installed	white board for wall mounting	0.290
		Magnetic stirrer with hot plate and digital display 20 ltr	Installed	hot plate and digital display	0.400
		PRINTER - HP Laser Jet Pro MFP M226dw	Installed	Scanner, Copier, Print	0.392
		Electrode	Installed	Saturated Calomel Reference Electrode	0.495
		ONLINE UPS	Installed	Online UPS System	1.500
		REGULATORS	Installed	Two Stage Regulator Brass Make	0.147
		Electrode	Installed	Glassy Carbon Working Electrode, 3 mm dia	0.932
		Electrode	installed	Screen Printed Carbon Electrode	0.673
		Vacuum Pump	installed	Oil Free Vacuum Pump	5.133
		Gas Cylinders	installed	Gas Cylinders	0.311
		UV Laser Writing System	installed	UV Laser Writing System	14.731
14	CSIR-CSMCRI	Refrigerated incubator shaker	Yes	Demonstrations of processes	3.460
		Air conditioner	Yes	Demonstrations of low	

				temperature processes	
		Hot plate with magnetic stirrer with an external temperature sensor	Yes	Lab scale experiments	
		Digital temperature indicator	Yes	Demonstrations of processes	
		Desktop tablet	Yes	Demonstrations of processes	
		Digital burette	Yes	Demonstrations of processes	
		Refrigerated incubator shaker	Yes	Demonstrations of processes	
15	CSIR-CIMFR	RO WATER PURIFIER	Installed	To provide pure drinking water to the trainees in HRD training Hub	0.144
		Wi-fi Router	Installed	To provide facility to the trainee	0.0250
		Xerox machine	Installed	Photocopying of various documents related to skill development programs	1.400
		Autodesk Software	Installed	To create precise 2D and 3D drawings and models, as well as civil/electrical diagrams, construction drawings, and more.	2.690
16	CSIR-IICT	NIL			
17	CSIR-IIP	NIL			
18	CSIR-NCL	Printer	Installed	To print SDP certificates	0.550
		Refrigerator	Installed	To store chemicals	0.250
		Monitor	Installed	To use for SDP students	0.190
		Workstation	Installed	To use for	2.550

				SDP students	
		Dell Work Station	Installed	To use for SDP website	1.544
		QNAP Network Drive	Installed	To store SDP data	3.650
19	CSIR-NEIST	NIL			
20	CSIR-NIIST	Interactive Digital for Conducting Classes	installed	For Classroom Teaching	4.000
21	CSIR-AMPRI	Resistivity meter	Installed	Skill Training	0.118
22	CSIR-CBRI	Online UPS of 2 KVA Rating with In-built Batteries (Microtek)	Yes	For providing uninterrupted power supply during training programme	0.400
		Tablet Computer A8 LTE (Samsung Galaxy)	Yes	For attending online meetings and webinars etc.	0.250
		Split AC 2.0 Ton – 02 Nos. (Voltas)	Yes	For providing favorable working environment during training programme	1.250
		Fully automatic digital Stabilizer for Split AC – 02 Nos. (IFB)	Yes	For providing stabilized voltage to the AC units	0.114
		Water Dispenser – 02 Nos. (Voltas)	Yes	For providing appropriate drinking water during training & routine purpose	0.166
		Fuji Electric UPS (5.0 KVA)	Yes	For providing uninterrupted power supply during training programme	1.250
23	CSIR-CGCRI	NIL			
24	CSIR-CMERI	Universal Instrumentation Kit	Installed	Training	0.614
		ARDUINO UNO based Complete Starter Kit	Installed	Training	0.289
		Rheostat: 100 ohm and 10 ohm	Installed	Training	0.116
25	CSIR-CRRI	NIL			

26	CSIR-IMMT	All in one Computer (Dell OptiPlex 5490)	Installed	Office work	1.050
		Micropipette (5 ml & 10 ml, 2 each) M/s Bio-Technika	Installed	Handling solutions	0.755
		Analytical Balance-ME204/A04 Mettler Toledo, M/s Be Biocon India	Installed	Weight measurement of chemicals	1.210
27	CSIR-NAL	CNC Turning Center (HMT)	Under installation and commissioning	Training of students on CNC Programming & Turning	43.700
		Mobile Workstations	Installed	Classroom training	4.860
		Smart Display Units	Installed	Classroom training	3.000
28	CSIR-NML	Mixer Grinder	Installed	Training	0.0490
		High Quality Water System	Installed	Training	3.304
		Ultrasonic Bath Sonicate	Installed	Training	0.352
		Hydrothermal Autoclave Reactor	Installed	Training	0.142
		Compact Analytical Balance	Installed	Training	0.499
		Magnetic Stirrers	Installed	Training	0.850
		Real Water Portable Water Purification System	Installed	Facilities	0.425
		Laptops	Installed	Training	1.260
		Desktop Computers	Installed	Training	1.460
		Heating Coil for Furnace	Installed	Training	0.188
		Remi Refrigerated centrifuge with LCD display with rotor	Installed	Training	2.180
		Sartorius LCD micro-weighing balance	Installed	Training	0.996
		Multi-parameter meter	Installed	Training	0.997
		1.5 HP Centrifugal Blower with PP FRP	Installed	Training	0.800
		Electrochemical Workstation Squidstat Plus	Installed	Training	4.980
29	CSIR-NEERI	Photocopier Machine	Installed	Skill Training Programs	2.494

30	CSIR-SERC	NIL			
31	CSIR-NIScPR	Laptops (Procured Seven Laptops)	Yes	Hands-on practice on various Open-Source Software during training	5.000
32	CSIR-4PI	NIL			
33	CSIR-CSIO	PLC Advanced Electro-pneumatic trainer	installed	Training of Industrial Automation	4.600
		Work Bench Vices for Metrology Lab	Installed	Training on Metrology techniques	0.693
		Podium/Lecture Stand	Installed	For placement and skill development lectures	1.690
		Hand Grinder/ Angel Grinder	Installed	Training of Grinding Operations	0.085
34	CSIR-CEERI	Computer systems	Installed 7 Pcs	To facilitate the SDP training program smoothly	8.000
		Printer	Installed two printers (one color and one black and white)	To facilitate the SDP training program smoothly. To print course material to print flyer etc.	1.000
35	CSIR-NGRI	NIL			
36	CSIR-NIO	Refrigerators (2 nos.)	Currently under usage	For storage of samples	0.910
		Weighing Balance	Currently under usage	For weighing of samples	0.140
37	CSIR-NPL	Digital Barometer/Pressure Gauge	Installed	Research & Training	0.700
		Laptop	Installed	Research & Training	1.000
		Ring Gauges	NA	Research & Training	0.800



		Mic Check Set	NA	Research & Training	0.500
		Optical Parallel Set	NA	Research & Training	0.500
		Magnetic Mounts	NA	Research & Training	0.500
		Set of weights from 1mg to 1kg :F1 Class	NA	Research & Training	0.700
		Set of weights from 1mg to 1kg :E2 Class	NA	Research & Training	1.500
<b>GRAND TOTAL (Rs in Lakhs)</b>					<b>228.639</b>

#### 4. Financial Data Sheet

During **FY 2022-23** an amount of **Rs. 1671.810 lakhs** were released to following CSIR laboratories to implement skill/training programmes as per details given in below table. An ECF (External Cash Flow) of **Rs. 915.273 lakhs** were generated by various CSIR labs through various industry and government agencies sponsored skilling reskilling programmes.

FY 2022-23		(Rs. In lakhs)		
S.No	Laboratory Name	Fund released	Expenditure	ECF Generated
1.	CSIR-CCMB	42.389	41.882	71.706
2.	CSIR-CDRI	41.322	34.498	0.000
3.	CSIR-CFTRI	39.550	33.291	43.503
4.	CSIR-CIMAP	22.543	22.543	14.060
5.	CSIR-IGIB	28.677	23.108	1.440
6.	CSIR-IHBT	32.659	28.749	0.000
7.	CSIR-IICB	33.579	32.867	7.150
8.	CSIR-IIIM	61.830	49.067	23.190
9.	CSIR-IMTECH	49.005	47.391	27.450
10.	CSIR-IITR	36.837	28.165	37.720
11.	CSIR-NBRI	22.924	18.309	6.179
12.	CSIR-CLRI	218.750	200.050	0.000
13.	CSIR-CECRI	75.025	68.232	19.156
14.	CSIR-CSMCRI	66.381	56.840	19.300
15.	CSIR-CIMFR	71.351	18.717	0.000
16.	CSIR-IICT	73.640	48.055	15.360
17.	CSIR-IIP	11.040	4.251	0.000
18.	CSIR-NCL	60.500	53.210	11.370
19.	CSIR-NEIST	43.400	43.400	0.000
20.	CSIR-NIIST	37.378	37.378	45.205
21.	CSIR-AMPRI	36.560	29.226	8.567
22.	CSIR-CBRI	56.970	31.963	19.910
23.	CSIR-CGCRI	13.600	12.957	0.000

24.	CSIR-CMERI	8.370	6.215	60.807
25.	CSIR-CRRI	19.628	19.540	250.789
26.	CSIR-IMMT	26.995	22.295	0.000
27.	CSIR-NAL	75.492	75.492	0.000
28.	CSIR-NML	58.038	57.937	0.000
29.	CSIR-NEERI	38.150	25.351	0.000
30.	CSIR-SERC	43.125	15.111	21.500
31.	CSIR-NIScPR	15.286	5.341	2.930
32.	CSIR-4PI	7.925	7.857	0.000
33.	CSIR-CSIO	77.580	36.959	250.000
34.	CSIR-CEERI	35.560	22.273	8.000
35.	CSIR-NGRI	12.818	12.818	3.452
36.	CSIR-NIO	39.703	30.611	0.300
37.	CSIR-NPL	37.230	33.388	17.936
	<b>Grand Total</b>	<b>1671.810</b>	<b>1335.337</b>	<b>915.273</b>

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

### CSIR-CCMB

#### BUDGET UTILIZATION CERTIFICATE

(FY 2022-23)

Project Title: CSIR Integrated Skill Initiative Program-Phase-II.

MLP No: NWP0100

LAB: CSIR-CCMB

PI Name : Dr. Archana B Shiva

	Approved Budget	Released Budget	Expenditure until 31.03.23 (in Lakhs)
<b>A. CAPITAL</b>			
Works & Services	0.000	6.000	6.000
Apparatus & Equipment	8.000	9.600	9.600
<b>Total (A)</b>	<b>8.000</b>	<b>15.600</b>	<b>15.600</b>
<b>B. RECURRING</b>			
T.A. India	1.500	1.050	1.050
T.A. Foreign	0.000		
Contingencies	2.000	2.200	2.200
Maintenance			
Chemicals & Consumables	12.000	13.200	13.200
Other Res. Expenditure	5.000	6.700	6.193
Technical HR	7.800	3.639	3.639
<b>Total (B)</b>	<b>28.300</b>	<b>26.789</b>	<b>26.282</b>
<b>Total (A+B)</b>	<b>36.300</b>	<b>42.389</b>	<b>41.882</b>

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

*[Signature]*  
Controller of Finance & Accounts  
CSIR - Centre for Cellular and Molecular Biology  
(Ministry of Science & Technology, Govt. of India)  
Uppal Road, Hyderabad-500007

*N. Vinay*  
Signature of Director  
**Dr. Vinay Kumar Nandicoor**  
Director  
CSIR - Centre for Cellular and Molecular Biology  
Uppal Road, Hyderabad-500007

### Statement of Expenditure (01/04/2022 to 31/03/2023)

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 as on 31-03-2023	Surrender
	A	B	C	D
<b>A. CAPITAL</b>				
Works & Services	5.000	3.200	2.691	0.509
Apparatus & Equipment	8.000	6.400	6.339	0.061
<b>Total (A)</b>	<b>13.000</b>	<b>9.600</b>	<b>9.030</b>	<b>0.570</b>
<b>B. RECURRING</b>				
T.A	1.500	1.275	0.775	0.500
Contingencies	0.900	0.765	0.65	0.115
Chemical & consumables	20.000	17.000	17.000	0.000
ORE	2.600	2.210	0.090	2.120
Technical HR	12.320	10.472	6.953	3.519
<b>Total (B)</b>	<b>37.320</b>	<b>31.722</b>	<b>25.468</b>	<b>6.254</b>
<b>Total (A+B)</b>	<b>50.320</b>	<b>41.322</b>	<b>34.498</b>	<b>6.824</b>

  
Project Investigator  
(Signed and stamped)  
Dr. S. K. SHUKLA  
Central Drug Research Institute  
Lucknow-226001

  
PME  
(Signed and stamped)  
प्रमुख, पी.एम.ई./Head, PME  
सीएसआईआर-केन्द्रीय औषधि अनुसंधान संस्थान  
CSIR-Central Drug Research Institute  
लखनऊ-226031/Lucknow-226031

  
CoFA / F&AO  
(Signed and stamped)  
Control Finance Accounts  
सीएसआईआर-केन्द्रीय औषधि अनुसंधान संस्थान  
CSIR-Central Drug Research Institute  
लखनऊ-226031 (उ.प्र.)/Lucknow-226031 (U.P.)

  
Head of the Institute  
(Signed and stamped)  
19 APR 2023  
निदेशक  
Director  
केन्द्रीय औषधि अनुसंधान संस्थान  
Central Drug Research Institute  
लखनऊ/Lucknow

# CSIR-CFTRI

## Annexure - B

STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER FBR/NCP/FTC/FTT/RSP/HCP/HARIT/lab. project etc.(P-11/ P-22/ P-23/ P-24 /P-27).

Name of the Lab: CSIR

Coordinating Lab: CFTRI

Project no. NWP100

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

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2022-23	TOTAL EXP.UPTO 31.3.2023 INCLUDING LAB.RESERVE FUND	EXPENDITURE MET FROM LAB.RESERVE FUND	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD) (3-4)	(Rs. IN LAKH)
					VARIATION IF ANY EXCESS(+) SAVINGS (-) (5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)					
TA- India	1.050	1.050		1.050	0.000
TA- Foreign					
Contingency	1.750	1.750		1.750	0.000
Maintenance					
Chemicals & Consum	3.500	3.500		3.500	0.000
ORE	10.600	10.600		10.600	0.000
Tech. HR	2.591	2.591		2.591	0.000
<b>Total revenue</b>	<b>19.491</b>	<b>19.491</b>	<b>0.000</b>	<b>19.491</b>	<b>0.000</b>
<b>Total revenue excl. salary(A)</b>	<b>19.491</b>	<b>19.491</b>	<b>0.000</b>	<b>19.491</b>	<b>0.000</b>
<b>B. CAPITAL</b>					
Works & services					
App. & equipment	13.800	13.800		13.800	0.000
Other capital					
<b>Total capital(B)</b>	<b>13.800</b>	<b>13.800</b>	<b>0.000</b>	<b>13.800</b>	<b>0.000</b>
<b>Grand Total(A+B)</b>	<b>33.291</b>	<b>33.291</b>	<b>0.000</b>	<b>33.291</b>	<b>0.000</b>

NB:- KINDLY USE SEPARATE SHEET FOR EACH PROJECT



Utilization Certificate

Name of the Lab: CSIR-CIMAP

Project no.NWP0100 (2022-23)

HEAD OF EXPENDITURE	ORIGINAL LETTER ALLOCATION FROM GOVT. GRANTS (CSIR BUD.)(EXCL C/F) 2022-23	ACTUAL EXP. FROM GOVT. GRANT 2022-23	VARIATION IF ANY EXCESS(+) SAVINGS (-) GRANT (4-2)
1	2	3	4
<b>A. REVENUE</b>			
Salary(regular estt.)			
TA- India	1.015	0.289	
TA- Foreign			
Contingency	6.825	6.825	
Maintenance			
Chemicals & Consum	10.290	10.290	
ORE	3.850	3.850	
Tech. HR	1.260		
Total revenue	23.240	21.254	
Total revenue excl. salary(A)	23.240	21.254	
<b>B. CAPITAL</b>			
Works & services	0.750	0.00	
App. & equipment	3.150	1.289	
Other capital			
Total capital(B)	3.90	1.289	
Grand Total(A+B)	27.140	22.543	

*[Signature]*  
Sig. of PI

*[Signature]*  
CoFA/FAO  
विनय कुमार  
वित्त एवं लेखाधिकारी  
सी.एस.आई.आर., सीमैप, लखनऊ

*[Signature]*  
18/05/23  
PME Head  
Project Management & Evaluation  
CSIR- Central Institute of Medicinal  
and Aromatic Plants, Lucknow

*[Signature]*  
Sig. of Director/AO

निदेशक  
सी.एस.आई.आर.-केन्द्रीय औषधीय एवं सगंध पौधा संस्थान  
पो.ऑ.-सीमैप, कुकरैल पिकनिक स्पॉट के निकट,  
लखनऊ-226015 (उत्तर प्रदेश)



CSIR-IGIB

Annexure - B

STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER FBR/NCP/FTC/FTT/RSP/HCP/HARIT/lab. project etc. (P-11/ P-22/ P-23/ P-24 /P-27).

Name of the Lab:CSIR-IGIB \_\_\_\_\_ Coordinating Lab: \_\_\_\_\_

Project No.\_NWP0100 \_\_\_\_\_ Title \_\_\_\_\_

					(Rs. IN LAKH)
HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2022-23	TOTAL EXP.UPTO 31.3.2023 INCLUDING LAB.RESERVE FUND	EXPENDITURE MET FROM LAB.RESERVE FUND	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD) (3-4)	VIATION IF ANY EXCESS(+) SAVINGS (-) (5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)					
TA - India	0.210	0.062		0.062	-0.148
TA - Foreign					
Contingency	2.352	0.797		0.797	-1.555
Maintenance					
Chemicals & Consumabl	9.757	9.525		9.525	-0.232
ORE	0.750	0.279		0.279	-0.471
Tech. IIR	5.208	3.917		3.917	-1.291
Total revenue	18.277	14.580	0.000	14.580	-3.697
Total revenue excl. salary	18.277	14.580	0.000	14.580	-3.697
<b>B. CAPITAL</b>					
Works & services					
App. & equipment	10.400	8.528		8.528	-1.872
Other capital					
Total capital(B)	10.400	8.528	0.000	8.528	-1.872
Grand Total(A+B)	28.677	23.108	0.000	23.108	-5.569

S. Ramachandran  
Nodal Officer

CoPA/FAO

PME Head

Director

वित्त एवं लेखा अधिकारी / Finance & Accounts Officer  
सीएसआईआर-जीनोमिक्स और समेकित जीवविज्ञान संस्थान  
CSIR-Institute of Genomics & Integrative Biology  
माल रोड, दिल्ली-110007/Mall Road, Delhi-110007

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH – HUMAN RESOURCE DEVELOPMENT CENTRE, GHAZIABAD

### Annexure-1

### Funds Utilization Statement for the FY 2022-23

Under NWP-0101

(Data as on 31<sup>st</sup> March 2023)

			(Rs in Lakhs)
Budget Head	Allocation (as per HRDG OM)	Released (as per Finance OM)	Expenditure
<b>CAPITAL</b>			
Works & Services	4.000	4.000	0.955
Apparatus & Equipment	0.848	0.848	0.848
<b>Total (A)</b>	<b>4.848</b>	<b>4.848</b>	<b>1.803</b>
<b>A. RECURRING</b>			
T.A. (India)	2.550	2.271	1.406
T.A. (Abroad)	0.000	0.000	0.000
Contingencies	5.100	1.100	1.100
Chemical & Consumables	8.500	8.500	8.500
Other Res. Expenditure	6.800	6.800	6.800
Technical HR	11.341	9.140	9.140
<b>Total (B)</b>	<b>34.291</b>	<b>27.811</b>	<b>26.946</b>
<b>Total (A+ B)</b>	<b>39.139</b>	<b>32.659</b>	<b>28.749</b>

3/5/2023

**Skill Nodal**  
(Signature)

Head, PME  
(Signature)

~~CoFA/FAC~~  
(Signature)

**Director**  
(Signature)

विभागाध्यक्ष

योजना, परियोजना अनुवीक्षण एवं मूल्यांकन विभाग, ए.एस.ए. अधीकारी

सीएसआईआर-हिमालय जवसंपदा प्रौद्योगिकी

पोस्ट बॉक्स नं. 6, पालमपुर-176061 (हि.प्र.), भारत

पालनपुर - 173061 (हि.प्र.)

सी.एस.आई.आर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान  
पालमपुर- 176061 (हि.प्र.)

# CSIR-IICB

## Annexure - B

STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER FBR/NCP/FTC/FTT/RSP/HCP/HARIT/lab. project etc.(P-11/ P-22/ P-23/ P-24 /P-27).

Name of the Lab: CSIR-IICB

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

Project No. NWP0100

Title: 'CSIR Integrated skill Initiative'

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2022-23	TOTAL EXP.UPTO 31.3.2023 INCLUDING LAB.RESERVE FUND	EXPENDITURE MET FROM LAB.RESERVE FUND	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD) (3-4)	(Rs. IN LAKH) VARIATION IF ANY EXCESS(+) SAVINGS (-) (5-2)
					(5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)				0.000	0.000
TA- India	1.275	0.569		0.569	-0.706
TA- Foreign				0.000	0.000
Contingency	1.400	1.400		1.400	0.000
Maintenance				0.000	0.000
Chemicals & Consum	30.877	30.873		30.873	-0.004
ORE	0.027	0.025		0.025	-0.002
Tech. HR				0.000	0.000
<b>Total revenue</b>	<b>33.579</b>	<b>32.867</b>	<b>0.000</b>	<b>32.867</b>	<b>-0.712</b>
<b>Total revenue excl. salary(A)</b>	<b>33.579</b>	<b>32.867</b>	<b>0.000</b>	<b>32.867</b>	<b>-0.712</b>
<b>B. CAPITAL</b>					
Works & services				0.000	0.000
App. & equipment				0.000	0.000
Other capital				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>33.579</b>	<b>32.867</b>	<b>0.000</b>	<b>32.867</b>	<b>-0.712</b>

NB:- KINDLY USE SEPARATE SHEET FOR EACH PROJECT

वित्त व लेखा अधिकारी

Finance & Accounts Officer

सीएसआईआर-भारतीय रासायनिक जीवविज्ञान संस्थान  
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद, भारत सरकार)  
CSIR-Indian Institute of Chemical Biology  
(Council of Scientific & Industrial Research, Govt. of India)  
4, राधा एस सी मल्लिक रोड, जहादपुर, कोलकाता- 700 032, भारत  
4, Raja S. C. Mullick Road, Jadhapur, Kolkata - 700 032, India



CSIR-IIIM


**UTILIZATION CERTIFICATE**


**CSIR- INTEGRATED SKILL INITIATIVE (2022-23)**

Name of the Lab: CSIR-Indian Institute of Integrative Medicine


Project No.: - NWP-100 UC for Year : 2022-23

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT GRANT (CSIR BUD) 2022-23 (IN LAKH)	TOTAL EXP. UPTO 31-03-2023 (IN LAKH)	BALANCE (IN LAKH)
<b>A. REVENUE</b>			
Salary(regular estt.)			
TA- India	1.650 ✓	1.578 ✓	0.072 ✓
TA-Foreign			
Contingency	8.640 ✓	8.640 ✓	0.000
Maintenance			
Chemicals and Consumables	15.330 ✓	11.092 ✓	4.238 ✓
ORE	12.610 ✓	4.905 ✓	7.705 ✓
Tech. HR	10.600 ✓	9.989 ✓	0.611 ✓
<b>Total revenue</b>	<b>48.830 ✓</b>	<b>36.204 ✓</b>	<b>12.626 ✓</b>
<b>Total revenue excl. Salary(A)</b>	<b>48.830 ✓</b>	<b>36.204 ✓</b>	<b>12.626 ✓</b>
<b>B. CAPITAL</b>			
Works and Services	3.000 ✓	3.000 ✓	0.000 ✓
Apparatus and Equipment	10.000 ✓	9.863 ✓	0.137 ✓
Other Capital			
<b>Total Capital(B)</b>	<b>13.000 ✓</b>	<b>12.863 ✓</b>	<b>0.137 ✓</b>
<b>Grand Total(A+B)</b>	<b>61.830 ✓</b>	<b>49.067 ✓</b>	<b>12.763 ✓</b>

  
**Dr Nasir ul Rasheed**  
**Nodal Scientist (NWP-100)**  
*Dr. Nasir ul Rasheed*  
**Senior Scientist**  
 CSIR-Indian Institute of Integrative Medicine  
 Canal Road, Jammu

  
**Er. Abdul-Rahim**  
**PI & Head PME**  
*Abdul Rahim*  
**Chief Scientist & Head**  
**RMBD & IST Division**  
 CSIR-Indian Institute of Integrative Medicine  
 Canal Road, Jammu

  
**I B Dixit**  
**Controller of Finance & Accounts**  
 भारतीय समवेत औषध संस्थान  
**Controller of Finance & Accounts**  
 भारतीय समवेत औषध संस्थान  
 Indian Institute of Integrative Medicine  
 केनाल रोड, जम्मू तवी-180 001  
 Canal Road, Jammu Tawi-180 001  
 19/04/23

  
**Director**  
 डॉ० ज़बीर अहमद  
**Dr. Zabeer Ahmed**  
 निदेशक / Director  
 भारतीय समवेत औषध संस्थान  
 Indian Institute of Integrative Medicine  
 जम्मू / Jammu  
 19.04.2023



**CSIR-IITR**

1.

(Dr. Ravi Ram)

Annexure - B

**STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER FBR/NCP/FTC/FTT/RSP/HCP/HARIT/lab. Project(P22)**

Name of Lab: CSIR-IITR

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

Project No.- NWP-100

Title : CSIR Integrated Skill initiative

(Rs. IN LAKH)					
HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2022-23	TOTAL EXP.UPTO 31.03.2023 INCLUDING LAB.RESERVE	EXPENDITURE MET FROM LAB.RESERVE	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	1.050	1.050	0.000	1.050	0.000
TA- Foreign	0.000	0.000	0.000	0.000	0.000
Contingency	4.250	4.250	0.000	4.250	0.000
Maintenance	0.000	0.000	0.000	0.000	0.000
Chemicals & Consum	10.200	10.200	0.000	10.200	0.000
ORE	5.250	5.182	0.000	5.182	-0.068
Tech. HR	6.628	6.453	0.000	6.453	-0.175
<b>Total revenue</b>	<b>27.378</b>	<b>27.135</b>	<b>0.000</b>	<b>27.135</b>	<b>-0.243</b>
<b>Total revenue excl. salary(A)</b>	<b>27.378</b>	<b>27.135</b>	<b>0.000</b>	<b>27.135</b>	<b>-0.243</b>
<b>B. CAPITAL</b>					
Works & services					
App. & equipment	1.030	1.030		1.030	0.000
Other capital					
<b>Total capital(B)</b>	<b>1.030</b>	<b>1.030</b>	<b>0.000</b>	<b>1.030</b>	<b>0.000</b>
<b>Grand Total(A+B)</b>	<b>28.408</b>	<b>28.165</b>	<b>0.000</b>	<b>28.165</b>	<b>-0.243</b>

**NB:- KINDLY USE SEPARATE SHEET FOR EACH PROJECT**

  
 12.04.2023  
 वित्त एवं लेखाधिकारी, निदेश - 22/2022  
 सी एस आई आर - भारतीय विज्ञान संस्थान  
 CSIR-Indian Institute of Technology  
 31, महात्मा गांधी मार्ग/31, मदन मोहन मालवीय  
 लखनऊ / Lucknow-226001



## 2. ITR

### ANNEXURE "II"

STATEMENT OF PROGRESSIVE EXPENDITURE AND ANTICIPATED REQUIREMENT FOR THE YEAR 2022-23 UNDER FBR/NCPI/FC/FTT/RSP/HCP/HARIT/lab, project etc. (P-11/ P-22/ P-23/ P-24 (P-27).

Name of Lab: CSIR-IITR

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

Project No.- NWP-100

Title : CSIR Integrated Skill initiative

(Rs. In lakh)

HEAD OF EXPENDITURE	ALLOCATION INITIAL (GOVT GRANT) DURING 2022-23	ALLOCATION FINAL (GOVT GRANT) DURING 2022-23	TOTAL EXP INCLUDING LRF 31.03.2023	EXP FROM LRF 31.03.2023	ACTUAL EXP FROM GOVT GRANT 31.03.2023 (4-5)	VARIATION EXCESS(+) SAVINGS (-) (6-3)
1	2	3	4	5	6	7
<b>A. REVENUE</b>						
Salary(regular estt.)	0.000	0.000	0.000	0.000	0.000	0.000
TA - India	1.050	1.050	1.050	0.000	1.050	0.000
TA - Foreign	0.000	0.000	0.000	0.000	0.000	0.000
Contingency	4.250	4.250	4.250	0.000	4.250	0.000
Maintenance	0.000	0.000	0.000	0.000	0.000	0.000
Chemicals & Consumables	10.200	10.200	10.200	0.000	10.200	0.000
ORE	5.250	5.250	5.182	0.000	5.182	-0.068
Tech. HR	8.287	6.628	6.453	0.000	6.453	-0.175
Total revenue	29.037	27.378	27.135	0.000	27.135	-0.243
Total revenue excl. salary(A)	29.037	27.378	27.135	0.000	27.135	-0.243
<b>B. CAPITAL</b>						
Works & services						
App. & equipment	7.800	1.030	1.030		1.030	0.000
Other capital						
Total capital(B)	7.800	1.030	1.030	0.000	1.030	0.000
Grand Total(A+B)	36.837	28.408	28.165	0.000	28.165	-0.243

This amount was surrendered to CSIR-HQ.

*[Signature]*  
12.04.2023

NB:- KINDLY USE SEPARATE SHEET FOR EACH PROJECT

\* ₹ 1.655 Lakh was surrendered vide E-mail dt. 22 Feb, 2023

\* ₹ 6.77 Lakh was surrendered vide E-mail dt. 24 March, 2023.

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



**CSIR Integrated Skill Initiative (Phase-II)**  
CSIR-National Botanical Research Institute, Lucknow (Project no. NWP100)

**Funds Utilization during FY 2022-23**

(Rs in Lakhs)

	Allocation	Released	Expenditure	Balance
Tech. HR.	2.784	2.784	2.784	0
T.A.	1.500	1.050	0.46927	0.58073
Contingency	1.000	0.700	0.37604	0.32396
Consumables	12.000	8.400	7.94764	0.45236
Equipment	0.000	0.000	0.0000	0.0000
Maintenance	0.000	0.000	0.0000	0.0000
ORE	6.000	4.200	0.94166	3.25834
Work & Services	10.000	5.790	5.790	0.0000
<b>Total</b>	<b>33.284</b>	<b>22.924</b>	<b>18.309</b>	<b>4.615</b>

*S.K. Tewari*

(S.K. Tewari)

Nodal Officer

**Dr. S.K. Tewari**

Chief Scientist & Head  
Botanical Garden And  
Plant Conservation & Agro Tech  
CSIR- National Botanical Research Institute  
Lucknow-226001

*Upendra Kumar*

(Upendra Kumar)

CoFA

*17/4/23*

नियंत्रक वित्त एवं लेखा  
Controller of Finance & Account  
सी.एस.आई.आर.-एन.बी.आर.आई, लखनऊ  
CSIR - NBRI, Lucknow

*Ajit Kumar Shasany*

Director

Dr. Ajit Kumar Shasany

निदेशक / Director

बै.ओ.अ.पं.-राष्ट्रीय वनस्पति अनुसंधान संस्थान  
CSIR-National Botanical Research Institute  
लखनऊ Lucknow

# CSIR-CLRI

STATEMENT OF PROGRESSIVE EXPENDITURE AND ANTICIPATED REQUIREMENT FOR THE YEAR 2022-23 UNDER FBR/NCP/FTT/SP/HCP/HARIT/lab. project etc.(P-11/ P-22/ P-23/ P-24 /P-27).

Name of the Lab:CLRI, CHENNAI 600020

Coordinating Lab: CLRI CHENNAI

Project no.NWP0100

Title :CSIR Integrated Skill Initivate Programe (Phase

Project Leader : Dr. Swarna V Kanth

(Rs. In lakh)

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) 2022-23	TOTAL EXP.UPTO 31.03.2023 INCLUDING LAB.RESERVE	EXPENDITURE MET FROM LAB.RESERVE	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) (3-4)	VIATION EXCESS(+) SAVINGS (-) (5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)					
TA - India	4.250	2.246		2.246	-2.004
TA - Foreign					
Contingency	17.000	17.000		17.000	
Maintenance					
Chemicals & Consumables	42.500	42.500		42.500	
ORE	21.250	10.736		10.736	-10.514
Tech. HR	25.644	25.436		25.436	-0.208
Total revenue	110.644	97.917		97.917	-12.727
Total revenue excl. salary(A)	110.644	97.917		97.917	-12.727
<b>B. CAPITAL</b>					
Works & services	62.132	62.132		62.132	0.000
App. & equipment	40.000	40.000		40.000	
Other capital					
Total capital(B)	102.132	102.132		102.132	0.000
Grand Total(A+B)	212.776	200.050		200.050	-12.726

M. Cora  
वित्त एवं लेखा अधिकारी  
Finance & Accounts Officer  
सीएसआईआर - केन्द्रीय चर्म अनुसंधान संस्थान  
CSIR - Central Leather Research Institute  
अड्यार, चेन्नई Adyar, Chennai-600 020.

## STATEMENT OF EXPENDITURE &amp; UTILIZATION CERTIFICATE




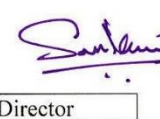
Name of the Lab: CSIR-CECRI, Karaikudi

Project No: NWP-100

Title of the Project: CSIR-Integrated Skill Initiative-Phase II

Rs. In Lakhs

HEAD OF EXPENDITURE	2022-2023		
	BUDGET ALLOCATION	BUDGET RECEIVED	EXPENDITURE
A	B	C	D
<b>A. REVENUE</b>			
TA- India	2.500	2.125	2.125
TA- Foreign	3.000	0.000	0.000
Contingency	6.000	5.100	5.100
Lab Maintenance	0.000	0.000	0.000
Chemicals & Consumables	5.000	4.250	4.250
ORE	3.000	2.550	2.550
Technical HR	20.000	17.000	15.207
<b>Total Revenue (A)</b>	<b>39.500</b>	<b>31.025</b>	<b>29.232</b>
<b>B. CAPITAL</b>			
Works & services	25.000	20.000	15.000
App. & equipment	30.000	24.000	24.000
Other capital			
<b>Total capital(B)</b>	<b>55.000</b>	<b>44.000</b>	<b>39.000</b>
<b>Grand Total(A+B)</b>	<b>94.500</b>	<b>75.025</b>	<b>68.232</b>

 Signature of PI
  Signature of FAO
  Signature of Head, PPMG
  Signature of Director

वित्त एवं लेखा अधिकारी  
 Finance & Accounts Officer  
 केन्द्रीय विद्युत रसायन अनुसंधान संस्थान  
 Central Electrochemical Research Institute  
 करैकुडी / Karaikudi-630 006

निदेशक / Director  
 सहाईआर - केन्द्रीय विद्युतरसायन अनुसंधान संस्थान  
 CSIR- Central Electrochemical Research Institute  
 करैकुडी / Karaikudi - 630003

डॉ. एस. एम. राजेन्द्रन / Dr. S. M. RAJENDRAN  
 प्रमुख अनुसंधानकर्ता / Principal Investigator  
 सहाईआर - केन्द्रीय विद्युतरसायन अनुसंधान संस्थान  
 CSIR- Integrated Skill Initiative  
 सहाईआर - केन्द्रीय विद्युतरसायन अनुसंधान संस्थान  
 CSIR- Central Electrochemical Research Institute  
 करैकुडी - 630 003, तमिलनाडु - भारत  
 Karaikudi - 630 003, Tamilnadu - INDIA

डॉ. एन. लक्ष्मीनारायण / Dr. N. Lakshminarasimhan  
 प्रमुख वैज्ञानिक एवं प्रमुख /  
 Sr. Principal Scientist & Head  
 प्रोजेक्टिंग एवं निगरान समूह /  
 Project Planning & Monitoring Group  
 सहाईआर - केन्द्रीय विद्युतरसायन अनुसंधान संस्थान /  
 CSIR- Central Electrochemical Research Institute  
 करैकुडी / Karaikudi - 630 003, भारत / INDIA




## Annexure – I

## Statement of expenditure / utilization of funds for the financial year 2022-23

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)	274000	0	274000	220859	53141
TA- Foreign	0	0	0	0	0
Contingency	351500	0	351500	336974	14526
Maintenance	0	0	0	0	0
Chemicals & Consumables	510000	0	510000	509292	708
ORE	1737000	0	1737000	1736047	953
Tech. HR	3142600	0	3142600	2364301	778299
<b>Total revenue</b>	<b>6015100</b>	<b>0</b>	<b>6015100</b>	<b>5167473</b>	<b>847627</b>
<b>B. Capital</b>					
Works & services	250000	0	250000	170960	79040
App. & equipment	373000	0	373000	345696	27304
<b>Total capital(B)</b>	<b>623000</b>	<b>0</b>	<b>623000</b>	<b>516656</b>	<b>106344</b>
<b>Grand Total(A+B)</b>	<b>6638100</b>	<b>0</b>	<b>6638100</b>	<b>5684129</b>	<b>953971</b>

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

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

  
 (Signature of CSIR-CSMCRI)  
 CSIR-CSMCRI  
 Office seal:

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

  
 (Signature of Director)  
 CSIR-CSMCRI

Office seal:  
 डॉ. कन्नन श्रीनिवासन / Dr. Kannan Srinivasan  
 निदेशक / Director  
 सीएसआईआई-सीएसएमसीआई / CSIR-CSMCRI  
 गीजुभाई बधेका मार्ग / Gijubhai Badheka Marg  
 भावनगर/Bhavnagar-364002  
 गुजरात/Gujarat, भारत/India

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

CSIR Integrated Skill Initiative (Phase II) (NWP-100)  
FUND UTILIZATION STATEMENT FOR THE YEAR 2022-23

Rupees in Lakhs

S.No.	Budget Head	FY-2022-23			
		Budget Allocation (A)	Revised Budget Allocation after surrender (B)	Expenditure (C)	Balance (D = B-C)
1.	Works & Services	13.000	0.000	0.000	0.000
2.	Apparatus & Equipment	9.865	4.587	4.587*	0.000
3.	T.A. (India)	1.100	1.100	1.027*	0.073
4.	Contingencies	3.039	3.039	2.538	0.501
5.	Chemicals & Consumables	2.815	2.815	2.725	0.090
6.	Other Research Expenditure	5.988	2.000	0.120	1.880
7.	Technical HR	35.544	8.220	7.720	0.500
	<b>Total</b>	<b>71.351</b>	<b>21.761</b>	<b>18.717</b>	<b>3.044</b>

Note: \*(Rs.48,900/- TA India and Rs.48,700/- App. & Equipment = Total Rs.97,600/- spent from Lab reserve fund)

19/04/2023  
COFA/FAO  
18/4/23 S.S.  
18.04.23

Dilip Kumbhakar  
18.4.23  
(Dilip Kumbhakar)  
Project Leader

**Budget Utilization**

Financial Year: 2022-2023

Lab: CSIR-IICT

Project Title: CSIR INTEGRATED SKILL INITIATIVE PHASE II

Project Code: NWP0100

Project Leader: Dr.D. Shailaja

Heads	FY: 2022-23 (Rs. Lakhs)			Balance surrender As on 31 <sup>st</sup> March 2023 (Rs Lakhs)
	Approved Budget	Released	Expenditure	
A. Capital				
Works & Services	0.000	0.000	0.000	0.000
App & Equipment	0.000	0.000	0.000	0.000
Total (A)	0.000	0.000	0.000	0.000
B. Recurring				
TA/ Conference/ Seminar	0.000	0.000	0.000	0.000
TA – India	2.000	1.700	1.700	0.000
TA (abroad)	2.000	0.000	0.000	0.000
Contingencies	11.030	9.375	9.375	0.000
Maintenance	0.000	0.000	0.000	0.000
Chem & Consumables	40.000	34.000	34.000	0.000
ORE	30.000	25.500	0.500	25.000
Tech – HR	3.600	3.060	2.480	0.580
Total (B)	88.630	73.635	48.055	25.580
Grand Total (A+B)	88.630	73.635	48.055	25.580

Project Leader

डॉ. डी. शैलजा  
Dr. D. SHAILAJA  
Chief Scientist & Chair  
Business Development & Research Management  
सी.एस.आई.आर. - भारतीय रासायनिक प्रौद्योगिकी संस्थान  
CSIR-Indian Institute of Chemical Technology  
(Ministry of Science & Technology, Govt. of India)  
Tarnaka, Hyderabad-500 007, Telangana State, INDIA

वित्त एवं लेखा अधिकारी  
Finance & Accounts Officer  
सी.एस.आई.आर. - भारतीय रासायनिक प्रौद्योगिकी संस्थान  
CSIR-Indian Institute of Chemical Technology  
(Ministry of Science & Technology, Govt. of India)  
हैदराबाद / Hyderabad-500007, भारत/India

Head  
BDRM

डॉ. डी. शैलजा  
Dr. D. SHAILAJA  
Chief Scientist & Chair  
Business Development & Research Management  
सी.एस.आई.आर. - भारतीय रासायनिक प्रौद्योगिकी संस्थान  
CSIR-Indian Institute of Chemical Technology  
(Ministry of Science & Technology, Govt. of India)  
Tarnaka, Hyderabad-500 007, Telangana State, INDIA

Director

डॉ. डी. श्रीनिवास रेड्डी  
Dr. D. Srinivasa Reddy  
निदेशक / Director  
सी.एस.आई.आर. - भारतीय रासायनिक प्रौद्योगिकी संस्थान  
CSIR-Indian Institute of Chemical Technology  
वित्त और प्रौद्योगिकी संस्थान, भारत सरकार / Ministry of Science & Technology, Govt. of India  
हैदराबाद / Hyderabad-500 007, टी.एस. भारत / India



# CSIR-IIP

## CSIR-Indian Institute of Petroleum, Dehradun

Utilization Certificate / Statement of Expenditure as on 31-03-2023


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		Total (2020-2023)		
		Approved Allocation (HQRF)*	Expenditure	Approved Allocation	Expenditure	Approved Allocation	Expenditure	Total Approved Allocation (3+5+7)	Total Expenditure (4+6+8)	Total Surrender (9-10)
1	2	3	4	5	6	7	8	9	10	11
<b>A. Capital</b>										
Apparatus & Equipments	25.00000	1.00000		1.60000		3.00000		5.60000	0.00000	5.60000
Works & Services	8.00000			0.60000		0.90000		1.50000	0.00000	1.50000
<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>7.10000</b>	<b>0.00000</b>	<b>7.10000</b>
<b>B. Revenue</b>										
TA (India)	5.50000	0.25000		0.40000		0.84000	0.75300	1.49000	0.75300	0.73700
TA (Foreign)	3.00000									
Contingencies	14.50000	1.00000		1.20000		2.10000	1.00000	4.30000	1.00000	3.30000
Chemicals & Consumables	24.00000	3.00000	0.70472	2.40000	0.20700	3.50000	2.49800	8.90000	3.40972	5.49028
Other Res. Expenditure (ORE)	6.00000			0.60000		0.70000		1.30000	0.00000	1.30000
<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>15.99000</b>	<b>5.16272</b>	<b>10.82728</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>23.09000</b>	<b>5.16272</b>	<b>17.92728</b>


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

  
(Project Leader)

  
Head, PIME

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

  
J.K. Chaurasia  
जो जो चौरासा/Controller of Finance & Account  
सी.एस.आई.आर.-भारतीय पेट्रोलियम संस्थान  
CSIR-Indian Institute of Petroleum  
देहरादून/Dehradun-248005

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

# CSIR-NCL

Annexure - B

STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER FBRNCP/FTO/FTTR/SPNCP/HARITab, project etc.(P-11/ P-22/ P-23/ P-24/P-27).

Name of the Lab: CSIR-NCL, PUNE

Project No. NWP-100

Project Title: Phase II: CSIR Integrated Skill Initiative Program

(Rs. in lakh)

HEAD OF EXPENDITURE	ORIGINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2022-23	SURRENDER 2022-23	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2022-23	TOTAL EXP.UPTO 31-03-23	BALANCE	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD)	VARIATION IF ANY EXCESS(+) SAVINGS (-)
1	2	3	4	5		7	8
<b>A. REVENUE</b>							
Salary(regular est.)							
TA- India	3.043	2.179	0.864	0.864	0.000	0.864	
TA- Foreign							
Contingency	4.225	0.884	3.341	3.341	0.000	3.341	
Maintenance							
Chemicals & Consum	15.900	0.239	15.661	15.661	0.000	15.661	
ORE	0.850		0.850	0.850	0.000	0.850	
Tech. HR	15.686	1.527	14.159	14.159	0.000	14.159	
Total revenue	39.704	4.829	34.875	34.875	0.000	34.875	
Total revenue excl. salary(A)	39.704	4.829	34.875	34.875	0.000	34.875	
<b>B. CAPITAL</b>							
Works & services	10.000	0.000	10.000	10.000	0.000	10.000	
App. & equipment	10.000	2.456	8.344	8.344	0.000	8.344	
Other capital							
Total capital(B)	20.000	2.456	18.344	18.344	0.000	18.344	
Grand Total(A+B)	60.804	7.285	53.219	53.219	0.000	53.219	

PROJECT LEADER- Dr. Gonnade Rajesh G

DEALING WITH SECTION OFFICER

(F&A)

FINANCE & ACCOUNTS OFFICER

PROJECT LEADER INVESTIGATOR

अजिंक्य घोरपडे / Ajinkya Ghorpade  
अनुभाग अधिकारी (वित्त एवं लेखा)  
Section Officer (F&A)  
सीएसआईआर राष्ट्रीय रासायनिक प्रयोगशाला  
CSIR - National Chemical Laboratory

वित्त एवं लेखा अधिकारी  
Finance & Accounts Officer  
सीएसआईआर-राष्ट्रीय रासायनिक प्रयोगशाला  
CSIR-National Chemical Laboratory  
पुणे/Pune - 411008

डॉ. राजेश जी. गोन्नाडे / Dr. RAJESH G. GONNADE  
मुख्य वैज्ञानिक और मुख्य अधिकारी-क्षेत्रीय विभाग  
Chief Scientist & Skill Nodal Officer  
सीएसआईआर-राष्ट्रीय रासायनिक प्रयोगशाला  
CSIR - NATIONAL CHEMICAL LABORATORY  
पुणे-411008 चाल / Pune - 411008, India



# CSIR-NEIST

## Financial Statement of Expenditure (for 2022-23)

for the Project

CSIR Integrated Skill Initiative (NWP-0100)

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

HEAD OF EXPENDITURE	2022-23 (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	2.000	1.800	1.800
TA. Foreign	0.000	0.000	0.000
Contingency	3.000	2.700	2.700
Maintenance	0.000	0.000	0.000
Chemicals consum. & other res.	12.000	11.700	11.700
ORE	20.000	18.000	18.000
TECH H.R.	9.200	9.200	9.200
<b>Total revenue (B)</b>	<b>46.200</b>	<b>43.400</b>	<b>43.400</b>
<b>Grand Total (A+B)</b>	<b>46.200</b>	<b>43.400</b>	<b>43.400</b>

Principal Investigator  
CSIR-NEIST, Jorhat

प्रमुख/HEAD  
क्षेत्रीय और उद्योगिक विकास विभाग  
SKILL AND ENTREPRENEURSHIP DEVELOPMENT DIVISION  
क्षेत्रीय-उद्योग-प्रति विज्ञान और प्रौद्योगिकी संस्थान  
CSIR-NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY  
जोरहाट : असम, JORHAT : ASSAM

DIRECTOR  
CSIR-NEIST, Jorhat



निदेशक / DIRECTOR  
क्षेत्रीय और उद्योगिक विकास विभाग  
CSIR-NORTH-EAST INSTITUTE OF SCIENCE & TECHNOLOGY  
जोरहाट-785004, असम, JORHAT-785004, Assam, India

CoFA  
CSIR-NEIST, Jorhat

वित्त एवं लेखा नियंत्रक  
Controller of Finance & Accounts  
क्षेत्रीय-उद्योग-प्रति विज्ञान और प्रौद्योगिकी संस्थान  
C.S.I.R. North-East Institute of Science & Technology  
जोरहाट (असम) Jorhat (Assam)

# CSIR-NIIST

STATEMENT OF PROGRESSIVE EXPENDITURE AND ANTICIPATED REQUIREMENT FOR THE YEAR 2019-20 UNDER FTT/HCP/Mission Model/PAC/IR/MLP/NW/PL/STS(P-11/ P-22/ P-23/ P-24 /P-27)

Name of the Lab: CSIR-NIIST, TRIVANDRUM

Project No. NWP0100

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

FTT

PROJECT LEADER: Dr. MONI V (KRC)

(Rs. In lakh)

HEAD OF EXPENDITURE	ALLOCATION (GOVT GRANT) DURING 2021-22 (excl.c/f)	ACTUAL EXP. OUT OF (excl c/f)		ANTICIPATED EXP. UPTO 31.3.2023 OUT OF		TOTAL REQUIREMENT 2022-23		VARIATION EXCESS(+) SAVINGS (-) (7-2)
		GOVT GRANT UPTO 31/03/2023	LAB RESERVE UPTO 31/03/2023	GOVT GRANT	LAB RESERVE	GOVT GRANT (3+5)	LAB RESERVE (4+6)	
1	2	3	4	5	6	7	8	9
<b>A. REVENUE</b>								
Salary(regular estt.)								
TA - India	0.850	0.850		0.00000		0.850	0.000	0.000
TA - Foreign				0.00000		0.000	0.000	0.000
Contingency	3.400	3.400		0.00000		3.400	0.000	0.000
Maintenance				0.00000		0.000	0.000	0.000
Chemicals & Consumables	15.300	15.300		0.00000		15.300	0.000	0.000
ORE	4.250	4.250		0.00000		4.250	0.000	0.000
Tech. HR	5.578	5.578		0.00000		5.578	0.000	0.000
Total revenue	29.378	29.378	0.000	0.00000	0.000	29.378	0.000	0.000
Total revenue excl. salary(A)	29.378	29.378	0.000	0.00000	0.000	29.378	0.000	0.000
<b>B. CAPITAL</b>								
Works & services	4.000	4.00000		0.00000		4.000	0.000	0.000
App. & equipment	4.000	4.00000		0.00000		4.000	0.000	0.000
Other capital								
Total capital(B)	8.000	8.000	0.000	0.00000	0.000	8.000	0.000	0.000
Grand Total(A+B)	37.378	37.37800	0.000	0.00000	0.000	37.378	0.000	0.000

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15/04/23

Sonu Roy  
13/4/23



Dr. SOMU ROY  
वित्त एवं लेखा अधिकारी,  
Finance & Accounts Officer  
से एल आई आर- राष्ट्रीय अंतर-विशेषीय विज्ञान और प्रौद्योगिकी संस्थान  
CSIR-National Institute for Interdisciplinary  
Science and Technology, Govt. of India

CSIR-AMPRI

366  
12/5/2023

निदेशक अनुमोदन  
क्र. 277  
दिनांक  
12/5/2023

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, Senior Principal Scientist, CSIR-AMPRI, Bhopal

(Rs. in Lakh)

Particulars	1 Approved fund for 2022-23	2 Allocation up to 31-03-2023	3 Actual Expenditure up to 31-03-2023	4 Surrendered / unspent amount	5 Total amount required for FY 2023-24
<b>A. REVENUE</b>					
TA (India)	3.0	2.100	1.885	0.215	4.000 ✓
TA (Foreign)	4.0	0.000	0.000	0.000	0.000
Contingencies	5.0	3.500	1.404	2.096	5.000 ✓
Maintenance	0.0	0.000	0.000	0.000	0.000
Chemicals & Consumables	8.0	5.600	1.530	4.070	8.000 ✓
ORE	4.0	2.800	2.800	0.000	4.000 ✓
Technical HR	10.8	7.560	7.216	0.344	10.800 ✓
<b>Total Revenue</b>	<b>34.800</b>	<b>21.560</b>	<b>14.835</b>	<b>6.725</b>	<b>31.800</b>
<b>B. Capital</b>					
Work & Services	5.0	3.000	2.608	0.392	2.500 ✓
App. & Equipment	20.0	12.000	11.783	0.217	0.000 ✓
Other capital	0.0	0.000	0.000	0.000	
<b>Total Capital</b>	<b>25.000</b>	<b>15.000</b>	<b>14.391</b>	<b>0.609</b>	<b>2.500</b>
<b>Grand Total (A+B)</b>	<b>59.800</b>	<b>36.560</b>	<b>29.226</b>	<b>7.334</b>	<b>34.300</b>

  
Project Leader

  
Head

  
FAO

  
Director

डॉ. जय प्रकाश शुक्ल / Dr. J.P. Shukla  
सीनियर प्रिन्सिपल साइंटिस्ट एवं प्रमुख / Senior Principal Scientist & Head  
जल संसाधन प्रबंधन एवं कृषि विज्ञान प्रभाग  
Water Resource Management & Rural Technology Group  
उन्नत पदार्थ एवं प्रक्रिया अनुसंधान संस्थान  
Advanced Materials and Processes Research Institute  
(विज्ञानिक एवं औद्योगिक अनुसंधान परिषद)  
(Council of Scientific & Industrial Research)  
भोपाल, मध्यप्रदेश - 462026 / Bhopal, Madhya Pradesh - 462026

वित्त एवं लेखा अधिकारी  
FINANCE & ACCOUNTS OFFICER  
सी.एस.आई.आर. भवन परिसर तथा प्रक्रम अनुसंधान संस्थान  
CSIR ADVANCE MATERIALS & PROCESSES RESEARCH INSTITUTE  
BHOVAL (M.P.) - 462026  
भारत सरकार / GOVT. OF INDIA





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



**FUNDS UTILIZATION STATEMENT FOR THE FY 2022-2023**  
Under  
CSIR Integrated Skill Initiative (NWP-100)  
(As on March 31, 2023)

(Rs. In Lakhs)

S.No.	Budget Head	Budget Allocated	Budget Released	Expenditure
1.	Works & Services	15.000	12.000	0.000
2.	Equipment	7.000	5.600	4.651
3.	T.A.	3.000	2.550	2.550
4.	Contingency	9.000	7.650	7.530
5.	Chemicals & Consumables	8.000	6.800	3.348
6.	Other Research Expenditure	17.000	14.450	6.862
7.	Technical HR	7.920	7.920	7.022
	<b>Total</b>	<b>66.920</b>	<b>56.970</b>	<b>31.963</b>

*Rollamare*  
**Skill Nodal**

डा० आर० धर्मराज / Dr. R. Dharmaraj  
मुख्य वैज्ञानिक / Chief Scientist  
डी. सी. एण्ड ई. समूह / DC & E Group  
सी.एस.आई.आर.-सी.बी.आर.आई / CSIR-CBRI  
रूड़की / Roorkee-247 667

*Aruman*  
**CoFA/FAO**

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

*Ramend*  
17/4/23  
**Director**


निदेशक  
Director  
सीएसआईआर-के० भ० अ० सं०  
CSIR-Central Building Research Institute  
रूड़की-Roorkee (U.K.)

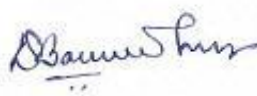
## Funds Utilization Statement for the FY 2022-23

## Under NWP 100

(Data as on 31<sup>st</sup> March 2023)

(Rs. IN LAKH)					
HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) 2022-23	TOTAL EXP.UPTO 31.3.2023 INCLUDING LAB.RESERVE	EXPENDITURE MET FROM LAB.RESERVE	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.)				0.000	0.000
TA- India	1.275	1.166		1.166	-0.109
TA- Foreign				0.000	0.000
Contingency	3.400	3.349		3.349	-0.051
Maintenance				0.000	0.000
Chemicals & Consum	3.825	3.822		3.822	-0.003
ORE	5.100	4.620		4.620	-0.480
Tech. HR				0.000	0.000
<b>Total revenue</b>	<b>13.600</b>	<b>12.957</b>	<b>0.000</b>	<b>12.957</b>	<b>-0.643</b>
<b>Total revenue excl. salary(A)</b>	<b>13.600</b>	<b>12.957</b>	<b>0.000</b>	<b>12.957</b>	<b>-0.643</b>
<b>B. CAPITAL</b>					
Works & services				0.000	0.000
App. & equipment				0.000	0.000
Other capital				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>13.600</b>	<b>12.957</b>	<b>0.000</b>	<b>12.957</b>	<b>-0.643</b>

  
**NWP 100,  
 Nodal**  
 (Signature)

  
**Head, PME**  
 (Signature)

  
**CoFA/FAO**  
 (Signature)

  
**Director**  
 (Signature)

CSIR-CMERI

STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER  
FBR/NCP/FTC/FTT/RSP/HCP/HARIT/lab. project etc.(P-11/ P-22/ P-23/ P-24 /P-27).

Name of the Lab: CSIR-CMERI

Project No. NWP 100

Title: CSIR Integrated Skill Initiative - Phase II

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD)  2022-23	TOTAL EXP.UPTO 31.3.2023
1	2	3
<b>A. REVENUE</b>		
Salary(regular estt.)		
TA- India	1.050	1.050
TA- Foreign		
Contingency	0.700	0.633
Maintenance		
Chemicals & Consum	1.400	1.400
ORE	0.400	0.327
Tech. HR	1.680	1.618
<b>Total revenue</b>	<b>5.230</b>	<b>5.028</b>
<b>Total revenue excl. salary(A)</b>	<b>5.230</b>	<b>5.028</b>
<b>B. CAPITAL</b>		
Works & services		
App. & equipment	3.140	1.187
Other capital		
<b>Total capital(B)</b>	<b>3.140</b>	<b>1.187</b>
<b>Grand Total(A+B)</b>	<b>8.370</b>	<b>6.215</b>

Biplab Choudhury  
11-04-2023

Skill Nodal

Head, PME

CoFA/FAO

DIRECTOR




**CSIR-CRRI**

STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER FBR/NCP/FTC/FTT/RSP/HCP/HARIT/lab. project etc.(P-11/ P-22/ P-23/ P-24 /P-27).					
Name of the Lab: CSIR-CRRI					
CSIR-Integrated Skill Initiative					
Project no. NWP-0100					
					Rs. in lakh
	FINAL	TOTAL	EXPENDITURE	ACTUAL EXP.	VARIATION
HEAD OF	ALLOCATION	EXP.UPTO	MET FROM	FROM GOVT.	IF ANY
EXPENDITURE	FROM GOVT.	31.03.2023	LAB.RESERVE	GRANT	EXCESS(+)
	GRANT (CSIR BUD)	INCLUDING		(CSIR BUD)	SAVINGS (-)
	(EXCL C/F)	LAB.RESERVE		(EXCL C/F)	
	2022-23			(3-4)	(5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)					
TA- India	0.500	0.412		0.412	-0.088
TA- Foreign					
Contingency	5.600	5.600		5.600	
Maintenance					
Chemicals & Consum	5.600	5.600		5.600	
ORE	7.000	7.000		7.000	
Tech. HR	0.928	0.928		0.928	
<b>Total revenue</b>	<b>19.628</b>	<b>19.540</b>		<b>19.540</b>	<b>-0.088</b>
<b>Total revenue excl. salary(A)</b>	<b>19.628</b>	<b>19.540</b>		<b>19.540</b>	<b>-0.088</b>
<b>B. CAPITAL</b>					
Works & services					
App. & equipment					
Other capital					
<b>Total capital(B)</b>					
<b>Grand Total(A+B)</b>	<b>19.628</b>	<b>19.540</b>		<b>19.540</b>	<b>-0.088</b>

  
 (Kavitha Ray) UNDER  
 डॉ. काविता रेय / Chief Scientist  
 मुख्य वैज्ञानिक / Chief Scientist  
 परिवहन आयोजना और पर्यावरण विभाग  
 Transportation Planning & Environment Division  
 सीएसआईआर - केन्द्रीय सड़क अनुसंधान संस्थान  
 CSIR - Central Road Research Institute  
 भारत सरकार / Govt. of India  
 नई दिल्ली - 110025 / New Delhi - 110025

**CSIR-IMMT****FUND UTILIZATION CERTIFICATE****For Financial Year 2022-23****(Rs in Lakhs)**

Budget Head	Budget Released	Expenditure
Works & Services	0.000	0.000
Equipment	4.700	3.014
T.A.	1.050	1.102
Contingency	4.900	2.118
Maintenance	0.000	0.000
Consumables	5.600	5.600
ORE	4.200	4.200
Tech. HR	6.545	6.261
<b>Total</b>	<b>26.995</b>	<b>22.295</b>

  
**Skill Nodal**

  
**Head, PME**

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

  
**Director**

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



## CSIR-NAL

Expenditure of the project NWP0100 for the FY 2022-23 is given below for your records, please.

**Annexure-1**

Name of the Lab: NAL, BANGALORE					
		Title: CSIR INTEGRATED SKILL INITIATIVE : PHASE II			
Project No. NWP100					
HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) 2021-22	TOTAL EXP. UPTO 31-03-2023 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.)					
TA- India	0.700	0.700		0.700	0.000
TA- Foreign					
Contingency	1.400	1.400		1.400	0.000
Maintenance					
Chemicals & Consum	10.500	10.500		10.500	0.000
ORE	0.700	0.700		0.700	0.000
Tech. HR	2.195	2.195		2.195	0.000
<b>Total revenue</b>	<b>15.495</b>	<b>15.495</b>	<b>0.000</b>	<b>15.495</b>	<b>0.000</b>
<b>Total revenue excl. salary(A)</b>	<b>15.495</b>	<b>15.495</b>	<b>0.000</b>	<b>15.495</b>	<b>0.000</b>
<b>B. CAPITAL</b>					
Works & services	1.200	1.200		1.200	0.000
App. & equipment	58.797	58.797		58.797	0.000
Other capital					
<b>Total capital(B)</b>	<b>59.997</b>	<b>59.997</b>	<b>0.000</b>	<b>59.997</b>	<b>0.000</b>
<b>Grand Total(A+B)</b>	<b>75.492</b>	<b>75.492</b>	<b>0.000</b>	<b>75.492</b>	<b>0.000</b>

-- With Best Regards--

वैष्णु जी/ **Ganapuram Venu**

प्रधान वैज्ञानिक/ **Principal Scientist**

परियोजना प्रबंधन समूह/ **Projects Management Group**

ज्ञान और तकनीकी मैनेजमेंट प्रभाग/ **Knowledge and Technology Management Division (KTMD)**

सी एस ऐ आर - राष्ट्रीय वास्तविक प्रयोगशालाएं/ **CSIR- National Aerospace Laboratories (NAL)**

पो. बॉ/ 1779 नं. P.B. No. 1779, एच ए एल एयरपोर्ट रोड/ **HAL Airport Road,**

कोडिहल्ली / Kodihalli , बेंगलूरु / **Bengaluru - 560 017**

मोबाइल : +९१ ९८४५५९९९५९ / **mob: +91 9845 51 99 51 / 89 51 54 87 98** (During Office Hrs)

ph: 080- 2508 6686, fax: 080-2508 6009

email: [venu@nal.res.in](mailto:venu@nal.res.in)

web: [www.nal.res.in](http://www.nal.res.in)

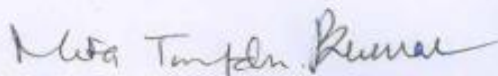
"Knowledge is Resource – Time is an Opportunity" – Venu G

## CSIR Integrated Skill Initiative (Phase II)

## FUND UTILISATION CERTIFICATE FY 2022-2023

- Name of Laboratory : CSIR- National Metallurgical Laboratory
- Project Title : CSIR Integrated Skill Initiative
- Duration : 2022-2023
- Skill / Training Nodal PI : Dr Mita Tarafder
- Project No : NWP 100

Budget Head	FY: 2022-2023	
	Budget Released	Expenditure
<b>A. REVENUE</b>		
Salary (regular estt.)		
TA- India	2.000	1.896
TA- Foreign	0.000	0.000
Contingency	4.313	4.313
Maintenance	0.000	0.000
Chemical & Consumables	4.840	4.840
ORE	11.628	11.628
Tech. HR	16.736	16.736
<b>Total revenue</b>	<b>39.517</b>	<b>39.413</b>
<b>Total revenue excl. salary(A)</b>	<b>39.517</b>	<b>39.413</b>
<b>B. CAPITAL</b>		
Works & services	0.000	0.000
App. & equipment	18.521	18.521
<b>Total capital(B)</b>	<b>18.521</b>	<b>18.521</b>
<b>Grand Total(A+B)</b>	<b>58.038</b>	<b>57.934</b>



**Project Investigator**  
(Signature)

**FAO**  
(Signature)



**Head, RPBD**  
(Signature)



**Director**  
(Signature)

निदेशक/Director  
सी.एस.आई.आर.-राष्ट्रीय धातुकर्म प्रयोगशाला  
CSIR-National Metallurgical Laboratory  
जमशेदपुर/Jamshedpur

# CSIR-NEERI

Annexure - B

STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER FBR/NCP/FTC/FTT/RSP/HCP/HARIT/  
lab. project etc.(P-11/ P-22/ P-23/ P-24 /P-27).

Name of the Lab: CSIR-NEERI, NAGPUR. Coordinating Lab: CSIR-NEERI

Title : CSIR - INTEGRATED SKILL INITIATIVE PROJECT PHASE - II

Project No. NWP0100

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD)  2022-23	TOTAL EXP.UPTO 31.3.2023 INCLUDING LAB.RESERVE FUND	EXPENDITURE MET FROM LAB.RESERVE FUND	ACTUAL EXP. FROM GOVT. GRANT (CSIR BUD)  (3-4)	(Rs. IN LAKH) VARIATION IF ANY EXCESS(+) SAVINGS (-)  (5-2)
					(5-2)
1	2	3	4	5	6
<b>A. REVENUE</b>					
Salary(regular estt.)					
TA- India	1.050	1.050		1.050	
TA- Foreign					
Contingency	4.900	4.900		4.900	
Maintenance					
Chemicals & Consum	3.500	3.500		3.500	
ORE	2.500	2.500		2.500	
Tech. HR	10.500	10.500		10.500	
<b>Total revenue</b>	<b>22.450</b>	<b>22.450</b>		<b>22.450</b>	
<b>Total revenue excl. salary(A)</b>	<b>22.450</b>	<b>22.450</b>		<b>22.450</b>	
<b>B. CAPITAL</b>					
Works & services					
App. & equipment	2.901	2.901		2.901	
Other capital					
<b>Total capital(B)</b>	<b>2.901</b>	<b>2.901</b>		<b>2.901</b>	
<b>Grand Total(A+B)</b>	<b>25.351</b>	<b>25.351</b>		<b>25.351</b>	

NB:- KINDLY USE SEPARATE SHEET FOR EACH PROJECT

  
 वित्त एवं लेखा नियंत्रक  
 Controller of Finance & Accounts  
 सी.एस.आई.आर., नैरी, नागपुर - 440 020  
 CSIR-NEERI, NAGPUR - 440 020

**Funds Utilization Statement during FY 2022-23**  
**Under CSIR Integrated Skill Initiative**  
 (Data as on 31<sup>st</sup> March 2023)

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

During FY 2022-23 an amount of Rs 43.125 Lakhs was released to implement skill/training programs and expenditure as follows:

(Rs in Lakhs)					
Budget Head	Approved Allocation for 2022-23	Allocation Released in 2022-23	Surrender Amount 2022-23	Expenditure in 2022-23	Unspent Amount
Works & Services	3.000	1.800	1.800	-	-
Equipment	15.000	12.000	-	-	12.000
T.A. (India)	1.500	1.275	-	1.021	0.254
Contingency	8.000	6.800	-	6.800	-
Consumables	15.000	12.750	-	4.740	8.010
ORE	2.000	1.700	-	0.634	1.066
Tech. HR	8.000	6.800	4.500	1.916	0.384
<b>Total</b>	<b>52.500</b>	<b>43.125</b>	<b>6.300</b>	<b>15.111</b>	<b>21.714</b>

*J. Rajan*  
**Skill Nodal**  
 (J. RAJAN KAR)

*K. Sathish Kumar*  
**Head, BKMD**  
 (K. SATHISH KUMAR)

*A. A. Anwar*  
**CoFA/FAO**  
 वित्त एवं लेखा अधिकारी / Finance & Accounts Officer  
 सीएसआईआर - संरचनात्मक अभियांत्रिकी अनुसंधान केंद्र  
 CSIR - Structural Engineering Research Centre  
 सीएसआईआर परिसर / CSIR Campus,  
 चेन्नै / Chennai - 600 113

*U. Anandadurai*  
**Director**

## 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 2022-23

Budget Head	Budget Approved FY2022-23 (Vide OM No. HRDC/SDP- 2/2020 dated 16/10/2020)	Funds Released FY2022-23 (Vide No. 31- 2(44)/2022-23/Bud dated 28/04/2022)	Funds Released FY2022-23 (Vide No. 31- 2(44)/2022- 23/Budget dated 25/11/2022)	Re-phased allocation Released FY2022-23 (Vide No. HRDC/SDP- 2/2022 dated 16/08/2022)	Total Funds Released FY2022-23	Expenditure FY2022-23
	1	2				3
<b>A. CAPITAL</b>						
Works & Services						
Apparatus & Equipment				5,000	5,000	5,000
<b>Total (A)</b>				<b>5,000</b> ✓	<b>5,000</b>	<b>5,000</b>
<b>B. RECURRING</b>						
T.A./ Conference/ Seminar						
T.A. (India)						
T.A. (Abroad)						
Contingencies	2,000	1,400 ✓	0,300 ✓		1,700	0,057
Chemical & Consumables						
Other Res. Expenditure	2,500	1,750 ✓	0,375 ✓		2,125	0,284
Technical HR	9,230	6,461 ✓			6,461	
<b>Total (B)</b>	<b>13,730</b>	<b>9,611</b>	<b>0,675</b>		<b>15,286</b>	<b>0,341</b>
<b>Total (A+ B)</b>	<b>13,730</b>	<b>9,611</b>	<b>0,675</b>		<b>15,286</b>	<b>5,341</b> ✓

  
Nodal PI  
CSIR-NIScPR

  
CoFA  
CSIR-NIScPR

  
Head, PME  
CSIR-NIScPR

  
Director  
CSIR-NIScPR



CSIR-4PI

Funds Utilization Statement for the FY 2022-23

(From 01<sup>st</sup> April 2022 to 31<sup>st</sup> March 2023)

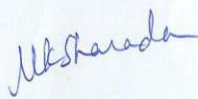
Project Title: CSIR-Integrated Skill Initiative (Phase-II) [NWP-100]

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)	1.500	1.275	1.207	0.068
Contingencies	2.600	2.210	2.210	0.000
Chemical & Consumables	1.100	0.935	0.935	0.000
Other Res. Expenditure	5.300	3.505	3.505	0.000
Technical HR	0.000	0.000	0.000	0.000
<b>Total (B)</b>	<b>10.500</b>	<b>7.925</b>	<b>7.857</b>	<b>0.068</b>
<b>Total (A+ B)</b>	<b>10.500</b>	<b>7.925</b>	<b>7.857</b>	<b>0.068</b>



Skill Nodal  
(Signature)



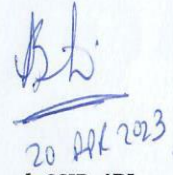
Head, PME  
(Signature)

प्रभारी, टीएमडी / In-charge, TMD  
सीएसआईआर-4पीआई  
CSIR - 4PI



CoFA/FAO  
(Signature)

वित्त एवं लेखा अधिकारी  
Finance & Accounts Officer  
सीएसआईआर-चौथा पैराडाइम संस्थान  
CSIR-Fourth Paradigm Institute  
एनएल बेलूर कैम्पस / NAL Belur Campus  
बैंगलूर / Bangalore - 560 037



Head, CSIR-4PI  
(Signature)

डॉ. श्रीदेवी जडे / Dr. SRIDEVI JADE  
प्रधान / Head  
सीएसआईआर-चौथा पैराडाइम संस्थान  
CSIR-Fourth Paradigm Institute  
एनएल बेलूर कैम्पस / NAL Belur Campus  
बैंगलूर / Bengaluru - 560 037, भारत / India

PROVISIONAL

## Annexure 1

PROVISIONAL

## FUNDS UTILIZATION STATEMENT FOR THE YEAR FY 2022-23

(Project No. : NWP-100)

Lab Name: CSIR-CSIO, Chandigarh

(Rs. In Lakhs)		
Budget Heads	Budget Released	Expenditure
Works & Services	3.000 ✓	2.936 ✓
Equipment	35.780 ✓	7.070 ✓
T.A.-India	1.500 ✓	1.248 ✓
TA. Abroad	0.000	0.000
Contingency	2.000 ✓	1.474 ✓
Maintenance	0.000	0.000
Consumables	8.000 ✓	5.211 ✓
ORE	2.000 ✓	0.625 ✓
Tech. HR	25.300 ✓	18.395 ✓
Total	77.580 ✓	36.959 ✓

(Narinder Singh Jassar)  
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

(A.K. Shukla)  
Head, PME  
CSIR-CSIO, Chandigarh

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

विनय एवं लेखा नियंत्रक  
Controller of Finance & Accounts  
सीएसआईओ - केन्द्रीय वैज्ञानिक उपकरण संगठन  
CSIR-Central Scientific Instruments Organisation  
सेक्टर 30-सी, चण्डीगढ़ - 160 030  
Sector 30-C, Chandigarh - 160 030

(Dr. S.A. Ramakrishna)  
Director  
केन्द्रीय वैज्ञानिक उपकरण संगठन  
CSIR-CSIO, Chandigarh  
सेक्टर 30, चण्डीगढ़-160 030  
Sector 30, Chandigarh-160 030

# CSIR-CEERI

ANNEXURE B

STATEMENT OF EXPENDITURE FOR THE YEAR 2022-23 UNDER FTT/HCP/MLP/NWP/(P-11/ P-22/ P-23/ P-24 /P-27).

Name of the Lab : CSIR-CEERI, Pilani

Coordinating Lab: CSIR-CEERI, Pilani

Project no.: NWP0100

Title : "CSIR Integrated Scheme Skill initiative (Phase II)

HEAD OF EXPENDITURE	FINAL ALLOCATION FROM GOVT. GRANT (CSIR BUD) (EXCL C/F) 2022-23	TOTAL EXP. UPTO 31.3.2023 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
A. REVENUE					
Salary(regular estt.)					
TA- India	1.050	0.863		0.863	0.187
TA- Foreign					
Contingency	3.500	1.014		1.014	2.486
Maintenance					
Chemicals & Consumables	9.100	3.623		3.623	5.477
ORE	2.800	2.667		2.667	0.133
Tech. HR	5.580	5.580		5.580	
Total revenue	22.030	13.747		13.747	8.283
Total revenue excl. salary(A)	22.030	13.747		13.747	8.283
B. CAPITAL					
Works & services	0.600				0.600
App. & equipment	12.930	8.526		8.526	4.404
Other capital					
Total capital(B)	13.530	8.526		8.526	5.004
Grand Total(A+B)	35.560	22.273		22.273	13.287

NB - KINDLY USE SEPARATE SHEET FOR EACH PROJECT

Proforma Progressive Exp upto-31-3-2023 CEERI, PILANI 31 MARCH 2023



CSIR-NGRI

FUNDS UTILIZATION STATEMENT FOR THE YEAR FY 2022-23

(Rs in Lakhs)

Budget Head	Budget Released	Expenditure
Works & Services	0.000	0.000
T.A. (India)	1.275	1.275
Contingencies	3.400	3.400
Chemicals & Consumables Other Research Expenditure Technical H.R.	8.143	8.143
<b>Total</b>	<b>12.818</b>	<b>12.818</b>

Skill Nodal

डॉ. अभय राम बंसल - वैज्ञानिक प्रभारी  
Dr. ABHEY RAM BANSAL - Scientist In-Charge  
स्किप डीपिया / SKM India  
सीएसआईआर - राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान  
CSIR-National Geophysical Research Institute  
उप्पल रोड, हैदराबाद-500007, तेलंगणा, भारत  
Uppal Road, Hyderabad, Telangana, India

CoFA/FAO

17/4/23  
वित्त एवं लेखा नियंत्रक  
Controller of Finance & Accounts  
वे.ओ.अ.प. - राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान  
CSIR-National Geophysical Research Institute  
(विज्ञान तथा प्रौद्योगिकी विभाग, भारत सरकार)  
(Ministry of Science & Technology, Govt. of India)  
उप्पल रोड, हैदराबाद-500007 / Uppal Road Hyderabad-500007

Director

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


# CSIR-NIO

## STATEMENT OF EXPENDITURE FOR THE YEAR 2022-2023

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

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

							Rs. in Lakhs
HEAD OF EXPENDITURE	BUDGET ALLOCATION	FINAL RELEASE FROM GOVT. GRANT (CSIR BUD)	TOTAL EXP. UP TO 31.3.2023 INCLUDING LRF	EXPENDITURE MET FROM LRF	ACTUAL EXP FROM GOVT. GRANT (CSIR BUD EX)	ECF GENERATED	VARIATIONS IF ANY EXCESS(+) SAVINGS (-)
A. REVENUE							
Salary (regular estt.)							
TA- India	1.50	1.275	0.051		0.051		-1.224
TA- Foreign	0.00	0.00	0.00	0.00	0.00		0.00
Contingency	8.00	6.800	6.800		6.800		
Maintenance	-	-	-	-	-	-	-
Chemicals & Consum	9.00	7.650	7.616		7.616		-0.034
ORE	12.00	8.400	0.951		0.951		-7.449
Tech. HR	16.01	12.378	12.351		12.351		-0.027
Total Revenue	46.51	36.503	27.769	0.00	27.769		-8.734
Total Revenue excl. salary (A)	46.51	36.503	27.769		27.769		-8.734
B. CAPITAL							
Works & services	0.00	0.00	0.00	0.00	0.00		0.00
App. & equipment	4.00	3.200	2.842		2.842		-0.358
Other Capital							
Total capital(B)	4.00	3.200	2.842	0.00	2.842		-0.358
Grand Total(A+B)	50.51	39.703	30.611		30.611	0.30	-9.092

  
Signature of PI  
(With office seal)

डॉ. राहुल कान्हेरकर / Dr. Rahul Kanhekar  
विज्ञानिक / Scientist,  
सी.एस.आई.आर. - राष्ट्रीय समुद्र विज्ञान संस्थान  
CSIR - National Institute of Oceanography  
दोना पावला, गोवा / Dona Paula, Goa 403004  
भारत / India

  
Signature of FAO/CoFA  
(With office seal)

नियंत्रक निदेशक/एस पीओ  
नियंत्रक वित्त एवं लेखा  
राष्ट्रीय समुद्र विज्ञान संस्थान  
National Institute of Oceanography  
दोना पावला, गोवा-403004  
Dona Paula, Goa-403004

  
Signature of Director  
(With office seal)

प्रोफेसर सुनील कुमार सिंह  
Prof. Sunil Kumar Singh  
निदेशक / Director  
सी.एस.आई.आर. - राष्ट्रीय समुद्र विज्ञान संस्थान  
CSIR - National Institute of Oceanography  
दोना पावला, गोवा  
Dona Paula - Goa - 403 004  
भारत / India

**Budget Format**  
**Funds Utilization During FY 2022-2023**  
**Under NWP 100**

Budget Head	Allotted Amount in 2022-2023	Re-phase Allocation of 2022-2023	Addition Allocation in Tech. HR	Expenditure
<b>A. CAPITAL</b>				
Works & Services* <sup>1</sup>	0.000	0.000	-	0.000
Apparatus & Equipment* <sup>2</sup>	15.000	3.840	-	18.435
<b>Total (A)</b>	<b>18.840</b> (Total Allocated & Re-phased Amount)		-	<b>18.435</b> (Total Allocated & Re-phased Amount)
<b>B. RECURRING</b>				
T.A. (India)	0.7000	-	-	0.289
Contingencies	0.7000	-	-	0.289
Chemical & Consumables	8.400	5.000	-	11.239 (Total Allotted & Rephased Amount)
Other Res. Expenditure* <sup>4</sup>	0.350	-	-	0.000
Technical HR	2.268+0.972=3.240	-	<b>0.972</b>	3.136 (Total Allotted & Additional Allocation Amount)
<b>Total (B)</b>	<b>18.390</b>	<b>8.840</b> (Total Rephased Amount)	<b>3.240</b> (Total Allocated & Additional Allocation Amount)	<b>14.953</b>
<b>Total (A+ B)</b>	<b>37.230</b>			<b>33.388</b>

CSIR Integrated Skill Initiative PI  
(Signature)

COFA/FAO  
(Signature)

Director 20/04/2023  
(Signature)

प्रो. वेणुगोपाल आचन्टा  
Prof. Venugopal Achanta  
निदेशक / Director  
सी.एस.आई.आर.-राष्ट्रीय भौतिक प्रयोगशाला  
CSIR-National Physical Laboratory  
डॉ. के.एस. कृष्णन मार्ग, नई दिल्ली-110012  
Dr. K.S. Krishnan Marg, New Delhi-110012

## 6. Key Achievements

### CSIR-CCMB

Following are the key Skill Development training Programs which were conducted by CSIR-CCMB in the financial year 2022-23.

- Detailed hands-on trainings such as Wild-Life Forensics, Recombinant DNA technology, Animal Cell Culture, Zebrafish Husbandry & Microinjection Proteomics, and Medical Student Research Training Program, which are not being offered elsewhere in the country.
- WWF-TRAFFIC Workshop on “Wildlife Crime Scene Investigation and Evidence Collection” for Officers of Forest Training Institutes of states of Telangana, Andhra Pradesh, Tamil Nadu, Kerala and Karnataka
- Sewage Surveillance training programs.
- Rashtriya Ayurveda Vidyapeeth Ministry of Ayush, Govt of India sponsored one week CME training program on “Identification of Medicinal and Herbal Plants using DNA-based Barcode Analysis” for AYUSH practicing Doctors/scientists
- 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 in state of Telangana
- Workshops on “Molecular Phylogenetics”, and “Population Genetics of Endangered Species”

### CSIR-CDRI

Successfully organized 10 skill/training program attended by 289 candidates from more than 100 institutes from 21 states/UT of country Revenue generated Rs. 67,800 and GST deposited Rs. 10,34,238  
Successfully registered as TP and TC registration under process Skill India Portal (SIP)

### CSIR-CFTRI

- a) A total of 24 Skill Development Programs/Short Term Courses were conducted under CSIR Integrated Skill Initiative in which **517 participants** representing **22 states/UTs** of the country. Out of these 24 programs, 21 were offline mode, two programs were on hybrid mode and one programme in virtual mode.
- b) External faculty from Industry, academia and other Govt. departments (state/central) also delivered lectures in various programs.
- c) CSIR-CFTRI received approval for three NSDC aligned programs, viz. Baking Technician/Operative (FIC/Q5005), Food Microbiologist (FIC/Q7603) and Spice Processing Technician (FIC/Q8502).
- d) ECF generated: ₹ 43 Lakhs (exclusive of GST).

### CSIR-CIMAP

Total 23 participants from different cities and states of India were trained through this training program. Training program covers the following topics such as Transcriptome data retrieval from SRA-NCBI, Data quality check (FastQC), Trimming of garbage sequences (Cutadapt), De-novo assembly of high-quality RNA-Seq reads (TRINITY), Assessment of assembled reads (BUSCO analysis and N50 statistics), Non-redundant data clustering using Hierarchical Clustering (CD-Hit analysis), Gene expression quantification (RSEM), Differentially expressed genes (DEGs) analysis (EdgeR), and functional annotation through Blast(NCBI+), InterProScan, GO analysis, Pathway analysis & Enrichment analysis using R programming and plots generation steps for Heatmap& Volcano plot formation in Linux Ubuntu OS platform.



#### CSIR-IGIB

1. Carried out collaborative skill training programs and main training program in collaboration with industry
2. Reached large numbers of skill training participants even in distant areas

#### CSIR-IHBT

- A total of 623 persons were trained under different programmes during 2022-23
- Due to CSIR-Skill initiatives, CSIR-IHBT received funding from other agencies for other skill development programmes and trainings
- Scientific exposure to young minds of the nation (students, graduates, masters, doctorates, independent researchers, faculties etc.) to the facilities under the skill development program.
- State departments approached the Institute for conducting skill development programs for the farmers and different stakeholders in the coming years.

#### CSIR-IICB

CSIR-IICB has imparted diverse skills to 169 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

Registered one SDP with NSDC on Soil & Water Analysis, Held 30 Skill Development programs catering to 786 participants in campus, generated an ECF of 23.1898 lakhs of ECF from Skill Development programs including internships and training programs.

#### CSIR-IMTECH

- Structured Internship Training (6 months long duration) conducted under Skill Development Program
- Short-Term Training Courses conducted under Skill Development Program during 2022-2023
- 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
- 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
- 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 CourseQP Code: AGR/Q4606 NSQF Level: 4
- CSIR-IMTECH has organized customized Internship Training Programs for students sponsored by Gujarat State Biotech Mission (GSBTM)

### **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 fine ministry of Science & Technology. As per SDG, we have given equal opportunities to men and women. 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**

- CSIR-IITR continues to be an active member of Life Sciences Sector Skill Development Council (LSSSDC) for more than 5 years now and we have conducted EHS manager (LFS/Q0214) course this year with 87.5% participants being qualified.
- CSIR-IITR continues to be an active member of Agriculture Skill Council of India (ASCI) and have successfully conducted Soil and Water Testing Lab Technician (AGR/Q8102) and Soil and Water Testing Lab Analyst (AGR/Q8103) with about 90-100% pass percentage. With this, CSIR-IITR stands as the first CSIR lab having two QPs under ASCI.
- CSIR-IITR is now aligned with New Education Policy (NEP)-2020 too with aim to up-skill young graduates
- Exceeded the No. of trainings as well as candidates proposed for FY 2022-23: No of programs conducted- 20 (proposed No. 08) and No. of trainees trained- 741 (proposed No. 270)
- High-end workshop(s) under Accelerate Vigyan or sponsored by the Industry/government agencies
- Destination SDP: For the first time, the concept of “destination SDP” that includes skilling at the student's place or at a theme based conference venue was introduced at a pilot scale
- ECF generated- Rs. 37,71,960 /-
- CSIR-IITR has been designated as a mentor lab for CSIR-CDRI, CSIR-IICB and CSIR-IHBT to foster their activities in the SSC/NSQF ecosystem

### **CSIR-NBRI**

- CSIR-NBRI organized 18 skill development and training programmes during the year 2022-2023, and trained 351 participants (up to 31 March 2023).
- The programmes were mainly designed from the core competence areas of CSIR-NBRI, belonging to gardening techniques, dehydrated floral crafts, phytochemistry, bioinformatics, herbal drugs and biofertilizers.
- The advertisements to our 200 hrs. SDPs could not get a response, resulting in SDPs of 200 hrs. duration with few participants only.
- Three of our programmes are accredited with ASCI of NSDC. We are now in the process of registering few other courses at the integrated portal of NSDC.
- Successfully completed two training programs on Dehydrated Floral Crafts of 03 months and 01-month duration exclusively for 44 women. Few women got employment and are self-empowered.

#### CSIR-CLRI

- Trained and placed (1206 skilled personnel) with 82% wage employment and 3.6% self-employment.
- 15 courses have been accredited and 18 more are in process of obtaining accreditation
- 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

1. Targets achieved by reaching the highest figure of 900 and above of candidates trained which is more than given target.
2. Created required infrastructures for conducting all type of trainings and procured equipment for providing hands on trainings.
3. Provided certificates with organization logo & skill logo to all eligible trainees.
4. Prepared brochure for Refresher courses, Faculty Development Programmes and Skill Development Trainings for every year.
5. We have also conducted few special skill development trainings for Women's participant.
6. We encouraged rural participants to our skill development training from the area of Sivaganga, Pudukkottai and Ramanathapuram Districts.

#### CSIR-CSMCRI

- Target for the financial year 2022-23 = 412 nos. Actual number of participants = 537 nos.
- ~30% of the total participants who attended various training programs were from rural areas.
- Trainees from Gujarat, Rajasthan, Maharashtra Assam, Delhi and Tamil Nadu attended various training programs

#### CSIR-CIMFR

CSIR-CIMFR has been in the forefront on implementing the "Integrated Skill Initiative" programmes by offering various skill development and upskilling 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 six Offline SDPs for the students of engineering College, Officers and JCOs of Eastern command, Indian Army and executives of Tata, SAIL, KIOCL etc. Also, the scientists and technical officers have imparted training to total 184 engineering and science graduates and postgraduates from different colleges and universities.

#### CSIR-IICT

- CSIR\_IICT, Aragen Life Sciences and Kewaunee Labway Pvt Ltd signed an MoU for conducting a skill development program focused on developing skills in Advanced Synthetic Organic Chemistry Training and pertinent Analytical chemistry fields. The **finishing School program** will enable hands-on training to postgraduate students in chemistry to make them **industry ready**.
- CSIR-IICT in association with Gujarat State Biotechnology Mission, Gujarat exchanged an MoU (3 years) for conducting skill development training program on “Animal Cell Culture Techniques” to Post Graduates in Biological/ Life Sciences and one batch completed as part of MoU.
- An Orientation Training programme for Post Graduates in chemistry to the students from North Eastern States of India was conducted. **26** Participants of the programme are interested to pursue their career in science and have applied for Ph. D in various reputed institutions
- Skill enhancement Training was given to **60** Group A & Group B officers of Central Revenue Control Laboratories (CRCL), Govt. of India, New Delhi and they are benefited towards their career progress
- CSIR-IICT in collaboration with OPCW, The Netherlands successfully conducted an “Analytical Skills Development Course” for **58** international participants during the year and all the participants are representatives of member states of parties of CWC.
- The Institute offering Basic Cheminformatics & Bioinformatics course to two academic institutions since 5 years continuously.
- A One day Entrepreneurship Development Programme on “Accelerated Anaerobic Composting Technology: Concept to Commissioning & Marketing” was demonstrated to employees from Telangana Agriculture Marketing Department.
- CSIR-IICT organized a Skill Development training program **exclusively for women** on "Analytical Food Chemistry" for a period of 8 days and a total number of **32** women graduates in Food Science participated in the training.

#### CSIR-IIP

Short duration program introduced has shown good participation from remote areas, specifically girl candidate. Programs generated lot of scientific temperament and mobilised participants towards Q/C, R&D, academia. Participants got benefitted from earlier programs and are serving in different institutions including CSIR-IIP. Enhanced laboratory exposure has also raised interest in production /manufacturing industry also.

New initiatives taken for :

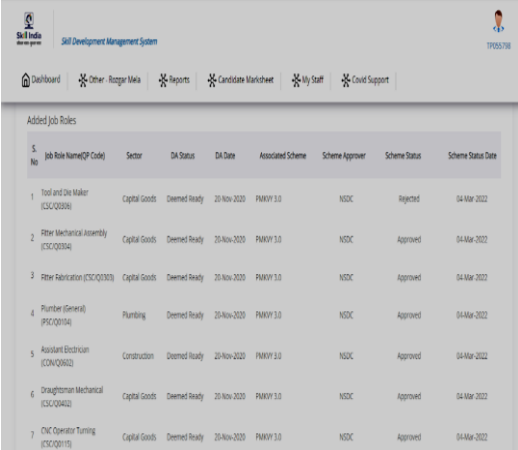

- a. Skill Development proposed for remote area (Garhwal region of Uttarakhand) under 'Technology Development and Utilization Program for Women(TDUPW ) / proposed creation of satellite Skill center under DSIR scheme
- b. Framing QP of NSQF level 6 or above for 'Glass blower' job role with NSDC / NCVET registration

#### CSIR-NCL

1. Conducted a total of 12 skill development programs during April 2022-March 2023.
2. A total of 153 candidates were trained on various analytical equipment and techniques as well as synthetic organic chemistry.
3. Skilled 200 project/summer interns under other skill/training program. The duration of this skilling program is 2-12 months.
4. Created quality human resources (skilled workforce) for the industry.
5. Seven participants of the skill development program on 'Synthetic Organic Chemistry' have been offered a job by one of the leading pharmaceutical companies in the campus recruitment drive at CSIR-NCL. The candidates joined the position immediately after completing the skilling course.
6. Some participants joined CSIR labs as Project Associate.
7. Happy and satisfied participants, as per the feedback received.
8. Created a social bond between the instructors and the participants.
9. Institute Industry tie-up.

#### CSIR-NEIST

SI No	Details of achievement	Photographs
1	<b>Exhibition at one week one lab program</b> <ul style="list-style-type: none"> <li>➤ Our trainees have presented their products in an exhibition organised by CSIR-NEIST in one week one lab program.</li> <li>➤ Around 10 stalls have been exhibited showcasing their products and were able to sale a good number of it.</li> </ul>	 
2	<b>Glimpse at techneev@75</b> <ul style="list-style-type: none"> <li>➤ A short film was covered highlighting our trainees practices to showcase at a programme under Azadi Ka Amrit Mahotsav organised in collaboration with DST,DBT, CSIR, MoES under the name techneev@75.</li> <li>➤ They covered the feedback from the previously trained students and their view on how the local people are being benefited from it.</li> <li>➤ YouTube link of the video is as follows:  <a href="https://youtu.be/ymP-mH8Q_eg">https://youtu.be/ymP-mH8Q_eg</a> </li> </ul>	

3	<p><b>PMKVY 3.0</b></p> <p>⇒ CSIR-NEIST has successfully registered for PMKVY 3.0.</p> <p>Under PMKVY 3.0, we have applied for special projects and acceptance for 6 QP's (Qualification Pack) have been received. These QP's match with the trades on which we have been providing the skill training under CSIR-ISI – II.</p> <p>⇒ We have linked our skill program with NSDC and we have obtained the TP and TC (TP Id: TP055798 and TC Id: TC131319) with Centre Accreditation and Affiliation Form (CAAF) in deemed ready state.</p>	 <table><thead><tr><th>S. No</th><th>Job Role Name(QP Code)</th><th>Sector</th><th>DA Status</th><th>DA Date</th><th>Associated Scheme</th><th>Scheme Approver</th><th>Scheme Status</th><th>Scheme Status Date</th></tr></thead><tbody><tr><td>1</td><td>Tool and Die Maker (SCCQ0008)</td><td>Capital Goods</td><td>Deemed Ready</td><td>20-Nov-2020</td><td>PMKVY 3.0</td><td>NSDC</td><td>Rejected</td><td>04-Mar-2022</td></tr><tr><td>2</td><td>Other Mechanical Assembly (SCCQ0004)</td><td>Capital Goods</td><td>Deemed Ready</td><td>20-Nov-2020</td><td>PMKVY 3.0</td><td>NSDC</td><td>Approved</td><td>04-Mar-2022</td></tr><tr><td>3</td><td>Other Fabrication (SCCQ0003)</td><td>Capital Goods</td><td>Deemed Ready</td><td>20-Nov-2020</td><td>PMKVY 3.0</td><td>NSDC</td><td>Approved</td><td>04-Mar-2022</td></tr><tr><td>4</td><td>Plumber General (PSCQ0014)</td><td>Plumbing</td><td>Deemed Ready</td><td>20-Nov-2020</td><td>PMKVY 3.0</td><td>NSDC</td><td>Approved</td><td>04-Mar-2022</td></tr><tr><td>5</td><td>Assistant Electrician (CONQ0002)</td><td>Construction</td><td>Deemed Ready</td><td>20-Nov-2020</td><td>PMKVY 3.0</td><td>NSDC</td><td>Approved</td><td>04-Mar-2022</td></tr><tr><td>6</td><td>Draughtsman Mechanical (SCCQ0042)</td><td>Capital Goods</td><td>Deemed Ready</td><td>20-Nov-2020</td><td>PMKVY 3.0</td><td>NSDC</td><td>Approved</td><td>04-Mar-2022</td></tr><tr><td>7</td><td>CNC Operator Turning (SCCQ0010)</td><td>Capital Goods</td><td>Deemed Ready</td><td>20-Nov-2020</td><td>PMKVY 3.0</td><td>NSDC</td><td>Approved</td><td>04-Mar-2022</td></tr></tbody></table>	S. No	Job Role Name(QP Code)	Sector	DA Status	DA Date	Associated Scheme	Scheme Approver	Scheme Status	Scheme Status Date	1	Tool and Die Maker (SCCQ0008)	Capital Goods	Deemed Ready	20-Nov-2020	PMKVY 3.0	NSDC	Rejected	04-Mar-2022	2	Other Mechanical Assembly (SCCQ0004)	Capital Goods	Deemed Ready	20-Nov-2020	PMKVY 3.0	NSDC	Approved	04-Mar-2022	3	Other Fabrication (SCCQ0003)	Capital Goods	Deemed Ready	20-Nov-2020	PMKVY 3.0	NSDC	Approved	04-Mar-2022	4	Plumber General (PSCQ0014)	Plumbing	Deemed Ready	20-Nov-2020	PMKVY 3.0	NSDC	Approved	04-Mar-2022	5	Assistant Electrician (CONQ0002)	Construction	Deemed Ready	20-Nov-2020	PMKVY 3.0	NSDC	Approved	04-Mar-2022	6	Draughtsman Mechanical (SCCQ0042)	Capital Goods	Deemed Ready	20-Nov-2020	PMKVY 3.0	NSDC	Approved	04-Mar-2022	7	CNC Operator Turning (SCCQ0010)	Capital Goods	Deemed Ready	20-Nov-2020	PMKVY 3.0	NSDC	Approved	04-Mar-2022
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4	<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 have recently completed one consignment of external order of manufacturing and supplying 200 numbers of man's shawl (as corporate gift item) to M/s Accenture, Bangalore, India</p>																																																																									

CSIR-NIIST
<p>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.</p>

CSIR-AMPRI
<p>During the FY-2022-23 CSIR-AMPRI, Bhopal has successfully trained 797 numbers of trainees in various skill- training program Further of Rs 8,56,680.00 has been generated during the FY-2022-2023</p>

CSIR-CBRI
<ul style="list-style-type: none"> <li>❑ CSIR-CBRI has provided value addition to the skills and knowledge by training and skill up-gradation to more than 665 persons on Appropriate Housing Technologies, Good Construction Practices, Disaster Awareness and Preparedness, Demonstration &amp; Technical Guidance for Rural Housing, Structural Pest Management, Office Procedures &amp; Guidelines and Software trainings; Student Training and Mentoring which resulted in generation of technically certified workforce and awareness in the field of civil engineering for the societal benefit.</li> <li>❑ Advanced skill development training programs (Two Nos.) have been conducted on “Structural Pest Management” for 67 pest management technicians/officials working in leading pest management industries of the country to provide the latest tools and techniques for effective pest control.</li> <li>❑ A residential capacity building training programme on “Good Construction Practices” has been conducted for the</li> </ul>

25 Engineers/Managers of JK Cements Ltd. to provide latest knowledge on standard building codes & globally recognised construction practices; which will lead to minimization of resources, cost, maintenance and maximization of service life of building.

- ❑ Imparted skill training through a Webinar on “Urban Underground Space” for 98 participants with the educational collaboration of leading construction industries such as Tata Project Ltd., L&T Constructions, Bauer Engg. Ltd., AECOM, NEXHS and Terranova Consultants etc.
- ❑ A dedicated training programme on “Housing needs of Villager’s - Problems & Solution” was organized for the 90 villagers of Matlabpur Village, Haridwar (Uttarakhand) to assess/address their local problems by providing best possible solutions in an efficient manner.
- ❑ In-house skill development training programme on “Landslide Risk Mitigation” was organised for 28 Engineers/Officials of PWD, Uttarakhand to provide latest knowledge on landslide risk reduction & control measures.
- ❑ 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 signed an MoU with UPL, Mumbai for organizing the Skill trainings/ Webinars/ Workshops in the area of Structural Pest Management, General Pest Management and Public Health Pest Concerns for the benefit of key stakeholders in different parts of India.
- ❑ Student training and mentoring on building science technology and allied field have been provided to 165 students of different college/institutions across the country as a part of the requirement of curriculum of the degree course.
- ❑ CSIR-CBRI has registered as Training Provider & Training Centre at NSDC Portal for organizing NSDC approved Courses on General Mason.

#### CSIR-CGCRI

Total 14 number of skill development training program have been conducted successfully during the month of April 2022 to March 2023. The training was imparted to total 310 nos. of participants. They were from different Engineering Colleges, Universities, Artisans on terracotta processing and Industry People and did experiments and interacted with the Scientists and Technical Officers associated with the training program. They improved their practical skill on terracotta processing and characterization of glass, ceramic, refractory raw materials and products, water testing and Ceramic materials etc. As per the feedback received from the participants, the training programme will be helpful for their work in terms of skill, knowledge and quality improvement. This also will be helpful in their future employment.

#### CSIR-CMERI

- ✓ CSIR-CMERI Training Centre (TC) got approved by NSDC with a tentative score of 37 and grade as 4.
- ✓ Affiliation with CGSC, ASCI and SCGJ.
- ✓ Four (04) Job Roles, CSC/Q0110, CSC/Q0115, AGR/Q1106 and SGJ/Q0106.
- ✓ Fifty Eight (58) SDPs with One Thousand and Fifty Two (1052) participants and ECF of Rs. 60.81 lakh.
- ✓ Four (04) SERB Karyashala and One (01) SERB Vritika.
- ✓ Two (02) MSME E-SDPs.

#### CSIR-CRRI

CSIR-CRRI, New Delhi is approved by MoRTH (Ministry of Road Transport and Highways), Government of India and NHAI ( National Highway Authority for India for their Engineers and Consultants for taking the Road Safety Audit Projects

#### CSIR-IMMT

A record 15 skill development programme were conducted by CSIR-IMMT Bhubaneswar during FY 2022-23 where 539 students/entrepreneurs/farmers/professionals were trained.

#### CSIR-NAL

During the financial year 2022-23, CSIR-NAL Aerospace Skill Development Centre conducted various courses as detailed below:

1. Trigonometry and Calculus for Engineers
2. MATLAB for Engineers and Scientists
3. National Apprenticeship Training Programme for ITI passed students
4. Aerospace CNC Machinist course
5. Aerospace CNC Programmer course
6. Aerospace Design assistant – Mechanical

Additionally, CSIR-NAL provided Internships, Project training for BE/B.Tech/ME/M.Tech/MBA/BCom/BSc students. 238 students underwent the Internship and project work program during the year.

As part of the facility development and upgradation the following equipment and software were procured:

- Touch screen based digital interactive panels
- CNC Turning center (HMT make)
- CIMCO Editor software
- CATIA 3D Experience software
- AMC for CATIA suite of products for a period of two years.

#### CSIR-NML

- CSIR-NML trained 681 participants during FY2022-23.
- We have conducted 14 societal skill training programs (STP) and 3 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 skill training programs were very helpful in enhancement of skills/ knowledge of participants in related topics of training program. -
- The skill training programs focused on solving environmental issues for better environment and sustainable development -
- Participants belongs to both urban and rural areas comprising male, female, General, OBC, SC/ST & EWS.



### CSIR-SERC

A total of about 500 participants comprising of practicing engineers from industry, engineering graduates, and academicians were trained during April 2022 – March 2023 at CSIR-SERC.

This has resulted in earnings of about Rs. **21.50** 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 organized through online mode for the benefit of Industrialists, academicians, and the general public on various 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 practical oriented skill training for staff of:

- Delhi Public Library, Ministry of Culture
- Ministry of Earth Sciences
- Intelligence Bureau, Ministry of Home Affairs
- Indian Council of Forestry Research and Education
- LIS professionals from Universities and Academic Institutes

### CSIR-4PI

- Advance training and Industrial training conducted in physical mode after easing of COVID restrictions.
- SPARK training is conducted in hybrid mode (online & offline).
- Total 197 students trained in last financial year 2022-23
- 8 invited talks, including Hands-on sessions for advanced training from various premier institutes

### CSIR-CSIO

- ❖ **Workshop on additive manufacturing, Electrical and Electronics fundamentals for TGT-WE of KVS ZIET, Chandigarh on 18 & 19.05.2022**



- ❖ **Industry Summit for Jal Jeevan Mission (Research, Development and innovations in water quality monitoring: Sensors, System, Software& Networks of the project IoT pilot deployment for water quality and quantity monitoring at PAN India level was conducted on 29.07.2022**



- ❖ Five Days Workshop on “Electrical and Electronics technologies for Industrial automation “was conducted on 26<sup>th</sup> to 30<sup>th</sup> September, 2022.



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

- Central Institute of Hand Tools(CIHT), Jalandhar
- 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

Organized 06 Major Skill Development courses. Appreciated by public representatives. Framed new courses for the rural youths. Framed one course for the Semiconductor Skill and the document is under consideration at NCVET. In the coming year we are launching some new skill courses for the youths specially to enable them for job. Tie-Ups with few new organizations for mentor their faculty/trainers and students for the skill courses.

CSIR-NGRI
<ul style="list-style-type: none"> <li>• 4 training programs were conducted during 2022-23</li> <li>• 139 participants trained (including internship and Dissertation) in various fields of earth sciences for the period</li> <li>• In the feedback, participants provided a rating of more than 90 %</li> </ul>

CSIR-NIO
<ul style="list-style-type: none"> <li>➤ Various training on green mussel culturing, water quality testing for aquaculture, demonstration for raft making for mussel cultures, fish silage preparation was conducted for fishery officials, fisherman community, fisherwomen's, industry partners etc.</li> <li>➤ Under waste to wealth programs, industry connect meetings were conducted for providing technical services as well as to show case technologies to the industries.</li> <li>➤ Training programs on instrumental analysis related to natural products, bio-organic chemistry, microbiology etc were demonstrate to graduate/post graduate students.</li> <li>➤ Successful registration of TP (Training Partner) and TC (Training Centre) was done at NSDC portal India.</li> </ul>

CSIR-NPL
<p>Imparted training to the stakeholders listed in the table as per point 3. A total number of 731 participants have been trained through various training programs under the umbrella of this project. 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.</p>

## 7. Risks Identified / Mitigated

CSIR-CCMB
NIL

CSIR-CDRI
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**CSIR-CFTRI**

- a) The staff strength has been reducing very rapidly which causes issues of less faculty or zero faculty for certain topics/areas. Though we were managed through external faculty/guest lectures, the recruitment of Scientific & Technical staff is under progress.
- b) Accommodation of participants was an issue. Most of the participants of the programs requesting for accommodation provided by Institute. With the recommendation of HRD Advisory Committee, the administration is arranging accommodation for about 30 participants on shared basis within the campus.
- c) Extended duration of NSDC aligned programs: Till last FY, we were able to conduct many NSDC 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 and it is very difficult to dedicate the labs exclusively for SDP course. The problem has not solved as of now.

**CSIR-CIMAP**

For large plant's RNA-Seq/transcriptome sequencing data analysis, at least 04 high-end-workstations system required (2 Linux Ubuntu OS based & 2 windows 10/11 OS based). At present no such dedicated facility in Linux platform. All existing system are based on intel 3/4<sup>th</sup> gen. CPU(i7) with Windows 7/8 Prof. OS LED/TFT/CRT monitor, which is quite old monitor, and so required upgradation of CPUs cores & GPU CUDA cores with Latest Generation (12<sup>th</sup> Gen./ AMD Ryzen 9 High cores CPUs) with FHD/4K monitor (24" 27" LED). Also NAS drive and 20TB NAS-HDDs required for Lab data storage & also for server data storage for online data access through database

**CSIR-IGIB**

None

**CSIR-IHBT**

Faced difficulties in getting applications and placement of trainees especially of 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.

**CSIR-IIIM**

NA

**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 (CARE) of CSIR-IMTECH is actively imparting such important trainings to the students. CSIR-IMTECH has been Conditionally Accredited with Agricultural Skill Council of India (ASC) 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 centre 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 to participate in our skill development programs organized from time to time.

#### CSIR-IITR

- a) Employment generation: In discussion with the sector skill councils, we are getting the successful candidates registered at ASCI placement portal (<https://agriplacements.in/>) and LSSSDC placement services

#### CSIR-NBRI

NIL

#### CSIR-CLRI

Report on any issues or problems that have impacted on the development and implementation of the project during the reporting period. Detail what impact any issues may have on the achievement of project targets, and set out how you plan to tackle these issues. Report on any unexpected project achievements. (this is the independent assessment of the HOD of the department, taking inputs from the staff members)

This section may be filed project wise please

- More sensitization and publicity measures need to be carried out pan India with respect to PG Diploma/Diploma/executive programmes to ensure more participation from the industry and to cater to the actual secondary manpower requirements of the industry.
- Owing to the ongoing pandemic situation, challenges are faced with respect to mobilization of candidates and full-fledged conductance of on-field training programmes. Hence, CSIR-CLRI (CHORD in association with core departments) is looking out for possibilities and charting out an action plan to go online for all its training programmes. The training programmes shall be conducted on virtual mode and on-field classes (practical demonstration) can be organized wherever required.

#### 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
<p>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.</p> <p>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 &amp; 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.</p>

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
--

CSIR-NCL
<ol style="list-style-type: none"> <li>1. Inadequate infrastructure, especially for training/skilling purposes: Plan to create a suitable infrastructure for skilling is underway.</li> <li>2. Unavailability of the scientists and technical staff due to their engagement in many other laboratory activities: CSIR-NCL is creating the Central Analytical Facility, which will ensure the availability of the training staff and the equipment for conducting skilling activities seamlessly and effectively.</li> <li>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.</li> </ol>

CSIR-NEIST
Request for additional fund for accommodating more numbers of training

CSIR-NIIST
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#### CSIR-AMPRI

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#### 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, Geopolymer 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 has become an issue, which is to be sorted out.

CSIR-CRRI
Enrolling the Skill Development programs under NSDC.
CSIR-IMMT
--
CSIR-NAL
<p>Encountering technical issues with Skill India portal in connection with creation of Batch, Assessment Certification changes, Candidates' registration for training programs, updating of attendance for trainees, fixing of Examination schedules after course completion.</p> <p>The above issues have been informed to our concerned Sector Skill Council viz, Aerospace and Aviation Sector Skill Council (AASSC) and also CSIR HRDC to take up the matter with NSDC and resolve the above issues</p>
CSIR-NML
<ul style="list-style-type: none"> <li>• Complex &amp; time consuming GEM purchase procedure</li> <li>• No clear administrative and financial regulation to organize skill training program, creating training &amp; accommodation facility for the participants</li> <li>• Lack of appreciation and encouragement for training programs □ Less societal awareness regarding skills</li> </ul>
CSIR-NEERI
<ul style="list-style-type: none"> <li>- Availability of facilities and faculties for long period skill training programmes .</li> <li>- Aligning NSDC accredited SDPs with CSIR-NEERI system.</li> <li>- Due weightage of SDP works for future prospects.</li> </ul>
CSIR-SERC
<p>Most of the skill development activities consisting of advanced courses and webinars were conducted through online mode. As such no risk has been identified in conducting these programs. Conducting the programs through online mode has in fact helped to reach out to the large number of participants from wide geographical limits. During the year 2023-24, it is proposed to conduct the advanced courses in physical mode.</p>
CSIR-NIScPR

#### CSIR-4PI

#### 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

As Such no Major Risks Identified

#### CSIR-NGRI

We took the participants for the field, and unforeseen accidents may occur. Therefore, we collect information about blood groups and emergency contact numbers.

#### CSIR-NIO

#### CSIR-NPL

As per the requirement 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 ever-growing 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.

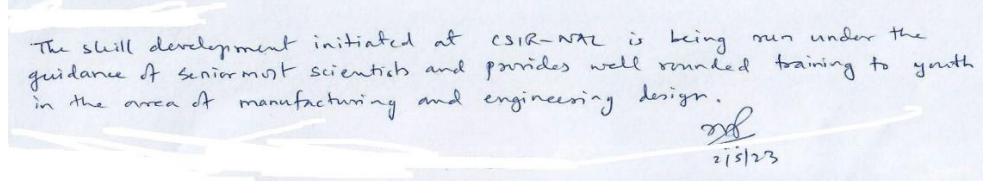
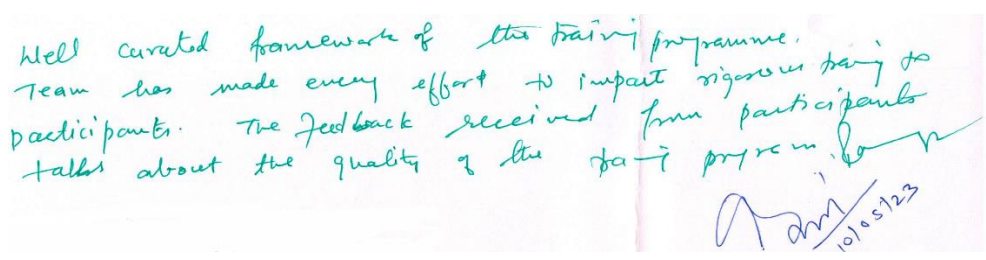
For some of the popular programs free online training was provided so that more number of participants can be trained.

## 8. Directors' Remarks

S.NO	LAB NAME	Remarks
1	CSIR-CCMB	-
2	CSIR-CDRI	<i>The project team's efforts have been commendable. The feedback from the trainees has been very positive. Further, against an expenditure of Rs 34.50 lakhs, revenues of Rs 67.80 have been generated.</i>
3	CSIR-CFTRI	-
4	CSIR-CIMAP	<i>Skill development programs are running very well in CSIR-CIMAP. We have organized 12 programs this year. Hope, we will increase number of programs in coming years with more number of participants.</i>
5	CSIR-IGIB	Our scientists have worked significantly in the skill initiative in emerging and established methods in molecular and computational biology areas.
6	CSIR-IHBT	The efforts of by HRDC for streamlining the programme in all CSIR-Labs is appreciable for smooth functioning of the project.
7	CSIR-IICB	-
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 at generating skilled manpower and specialists for various jobs in life sciences/healthcare/biotech and related sectors.
10	CSIR-IITR	<i>CSIR-IITR team has fulfilled the commitment of skill development through activity as listed above. The phase-II is being successfully carried forward as well.</i>
11	CSIR-NBRI	CSIR-NBRI is one of the world's premier plant research centers, having a unique blend of expertise in classical and modern plant sciences. Matching the Government's emphasis on skilling the people of India, CSIR-NBRI has designed about a dozen skill development programmes in applied botanical, horticultural and biotechnological research areas. CSIR-NBRI is committed towards capacity building and nurturing talent by supporting various



		programmes ranging from plant resource identification, documentation, and conservation to bio-prospecting through development of new herbal, biotech, microbial and agri-horticultural technologies, products and services for industrial use and societal benefits. This programme has been implemented with an objective to provide hands-on-training in tools and techniques in core areas of the institute to generate skilled manpower. This skilled manpower will be an asset for services in various sectors. With the support under CSIR Integrated Skill Initiative, our SDP team is progressing towards preparing quality human resource at various levels and types of skills in the field of agriculture, horticulture, floriculture, aroma and herbal drugs and plant biotechnology sectors of Indian industry.
12	CSIR-CLRI	The report is comprehensive and meeting the institute deliverables Shruti
13	CSIR-CECRI	-
14	CSIR-CSMCRI	Committed team engaged in diff. programs of skill development. Exceeded the target set.
15	CSIR-CIMFR	Under CSIR-Integrated Skill Initiative, CSIR-CIMFR organised various skill development programs with the aim to upskill and empower the youths, industry personnel and employees of the institute. I am sure, the institute will further take up skill initiatives in a more structured manner through various multidisciplinary skill development programs for the benefit of industry, youth and employees of the institute.
16	CSIR-IICT	Collaboration with state government skill councils will help in reaching out to larger aspirants
17	CSIR-IIP	-
18	CSIR-NCL	CSIR-NCL's Integrated Skill Initiative Program led by Dr. Rajesh Gonnade is doing a commendable job. During the FY 22-23, the team has conducted 12 NSDPs training more than 150 candidates on sophisticated analytical techniques. The team has also trained 200+ interns. These are significantly important contributions to the NSDP of the GoI.
19	CSIR-NEIST	-
20	CSIR-NIIST	Good job done by the 'Team', but need to conduct more courses in future.
21	CSIR-AMPRI	-
22	CSIR-CBRI	-
23	CSIR-CGCRI	Different skill development training programme organized by CSIR-CGCRI under NWP 100 has helped in enhancing the analytical skill, knowledge of different analytical instruments, sample preparations for different instrumental and classical analysis of the participants. The participants are mainly graduate and masters' students of science and engineering field and industry professionals. The program has enhanced the skills of different pottery clusters from different rural areas to enhance their knowledge and advancements in pottery related work. This will enhance the livelihood and quality of the potters and products in future. Some more training program has been included from this financial year and the frequency of skill training program will be increased in the coming years so that more and more participants can be accommodated and will be benefited.
24	CSIR-CMERI	-
25	CSIR-CRRI	CSIR-CRRI Nodal Agency to impart the skill development for MoRTH (Ministry of Road Transport and Highways), Government of India and NHAI (National Highway Authority for

		India for their Engineers. Apart from we conducted good of number of regular skill development programs in addition industry sponsored programs. We in the planning to bring some more new programs in the coming years. Train Newly passed out Engineering graduates in the practical skills.
26	CSIR-IMMT	-
27	CSIR-NAL	
28	CSIR-NML	-
29	CSIR-NEERI	All Persons were very useful and Appreciated
30	CSIR-SERC	One course on "Mason Training" was conducted, which was well received by the ITI students. Also, during this year, we have conducted two industry sponsored training programme. Both mason training as well as industry related were well appreciated. We will enhance the skill development activities through off line mode in the coming years.
31	CSIR-NIScPR	
32	CSIR-4PI	
33	CSIR-CSIO	The CSIR-CSIO, Chandigarh has conducted various skill activities under the CSIR-ISI programme throughout the year 2022-23. 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 2023-24.
34	CSIR-CEERI	Skill Development Unit is taking care of running the Skill development courses smoothly recently we have tie-ups with some Institute for skilling their students/faculties. SDU is conducting series of skill program catering all areas of expertise of CSIR-CEERI. The outreach activities were also noteworthy during the last year. As per   know the team has prepared a dedicated standalone course for the semiconductor skill course which is under consideration at NCVET.
35	CSIR-NGRI	All above training programs were well-planned and well-executed.
36	CSIR-NIO	The progress of the Skill Development Program is satisfactory. The Project has made significant contribution to the welfare of fishing community.
37	CSIR-NPL	Government of India has the ambitious goal 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, NPL is organizing regular training courses. With better and timely support would help scale these much needed programs

## 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	TP ID	TC ID
1	CSIR-CCMB	TP/TC Both ID	TP105927	TC164544
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	TC208920
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	TC165176, TC183819
35	CSIR-NGRI	TP/TC Both ID	TP107646	TC207367
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

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### CSIR-IHBT



### CSIR-IICB





Four Weeks Training and Skill Internship (VRITIKA)



Two Weeks High - End Workshop "Cultivation, Post Harvest Management And Value Addition Of Aromatic & Medicinal Plants"(KARYASHALA)



Five Day Workshop on "MOLECULAR CLONING and PROTEIN PURIFICATION"



RNA-Sequencing & Metagenome Data Analysis



6 DAYS TRAINING PROGRAM "Current Trend in R&D, Modern Scientific Advances & Technology for Scientific Understanding"





### Five Days Workshop on Upstream and Downstream Processing of Industrially Important Enzymes



### Hands-On Training on Advanced Techniques in Natural Products and Medicinal Chemistry



### Two Days Capacity building program in Natural Products Driven Drug Discovery and Research



### Hands-On-Training On “Biomedical Research and Drug Discovery (Biological assays Cell-based and Mice experiments)”



### One Day Skill on IPR and Agri-Startups Development Program





## Two Days Skill Development Program on Research Methodology, Science Communication, Publication Ethics & IPR

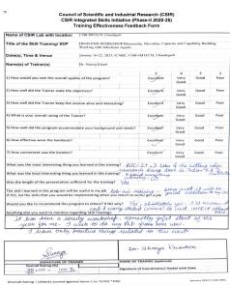


**Skill Development Program On Genomics And Transcriptomic Tools For Women Researchers**



**Workshop on "Taxonomic Identification & Authentication Of Medicinal And Aromatic Plants & Crude Drugs In"**

## CSIR-IMTECH GLIMPSES SKILL TRAINING CONDUCTED DURING THE REPORT PERIOD



## CSIR-IITR

### Workshop on Genotoxicity (15.07.2022)



### Workshop on High-End Microscopy(10.08.2022)





**Soil and Water testing lab technician (AGR/Q8102)(26.08.2022 – 30.09.2022)**



**Air pollution prediction and apportionment of sources using computational modeling technique(21.09.2022)**



**Soil and Water testing Lab Analyst (AGR/Q8103)(09.11.2022 – 09.12.2022)**





**Essential Techniques and Biosafety in Microbiology Research Laboratory  
(22.11.2022 – 23.11.2022)**



**EHS (Environmental Health and Safety) Manager (21.11.2022 – 09.12.2022)**



**Workshop on Comet Assay (25.11.2022)**



**Gold Nanoparticles: Synthesis and in-vitro toxicity evaluation using cell viability (MTT/Alamar) Assay (14.12.2022 – 16.12.2022)**





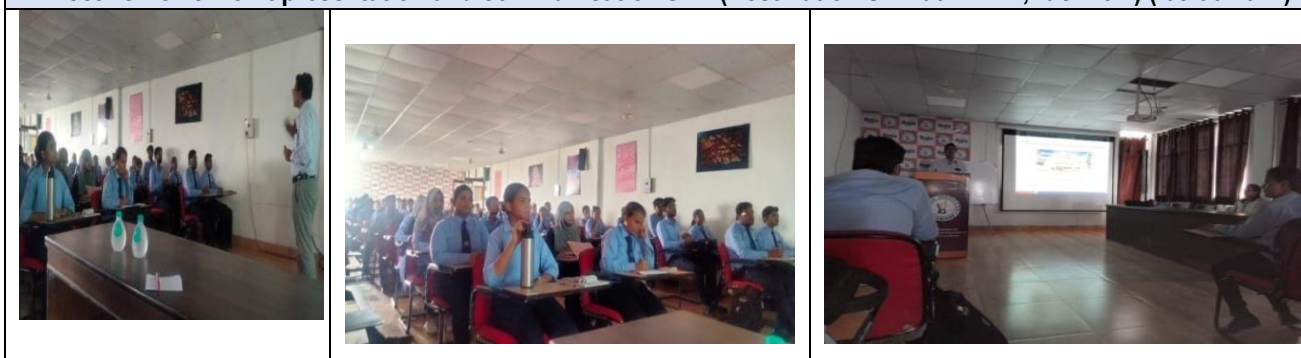
**Instrumentation and Chemical Analysis (03.01.2023 – 13.01.2023)**



**Workshop on Importance of NABL Accreditation in Laboratory Management System of Testing Laboratories (27.02.2023)**



**Effective PowerPoint presentation and communication skill (Destination SDP at HIPER,Lucknow) ( 08.06.2022)**



**Workshop on Genotoxicity (Destination SDP at AMU, Aligarh)(29.01.2023)**





### CSIR-NBRI





## CSIR-CLRI



## CSIR-CECRI









### CSIR-CSMCRI



**Theory and practical aspects of household solar thermal gadgets**



**Fermentation Technology**



**Solar Salt production process and quality control aspects**



**Soil & Water Testing**



**Seaweed Cultivation and Processing Technology**



**Microalgal Diversity and their Biotechnological Potentials**



**Apprentice / Intern**



**Microalgal Diversity and their Biotechnological Potentials**

### CSIR-CIMFR



**Skill Development Program on "CLEAN COAL TECHNOLOGY" during 2<sup>nd</sup> June to 29<sup>th</sup> June, 2022**



**Skill Development Program on "Mechanical Safety in Mines" during 21<sup>st</sup> June to 20<sup>th</sup> July, 2022**



**Refresher Course cum Skill Development Program on "Coal Carbonisation" during 03-17 March 2023**



**Skill Development Program on "Underground Excavation Techniques" during 13 - 28 March, 2023**



**Skill Development Program on "Underground Excavation Techniques" during 13 - 28 March, 2023**



**Skill Development Program on "Coal Art & Craft: Skill Development for Rural Woman" on 06 April, 2022**



## CSIR-IICT



## CSIR-IIP



**Spectroscopic Analytical Techniques FTIR-NMR'**



**ANALYSIS USING CHROMATOGRAPHY AND MASS SPECTROMETRY**



**Analysis using Chromatographic & Mass-spectrometry'**



**Industrial Catalyst, Preparation & Micro-reactor Study**



## CSIR-NCL



## CSIR-NEIST

### Poster present at Skill & Entrepreneurship Development Division

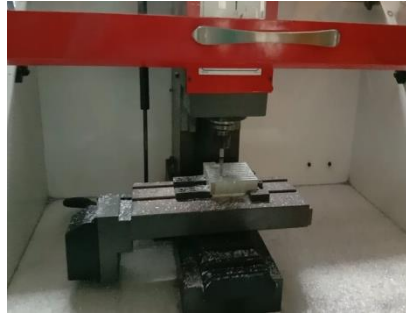


### Group photo of students and trainers after completion of skill development training for current batch



### Training on CNC Machining and turning





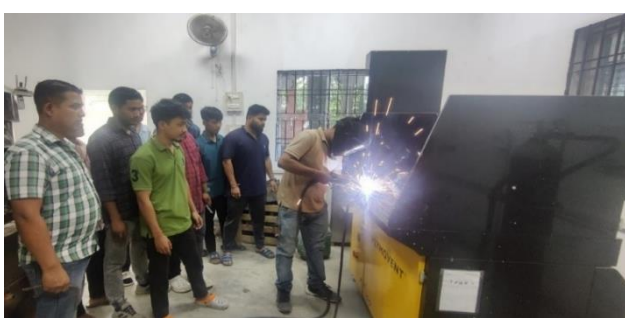
Training on Auto CAD (Mechanical Draughting)



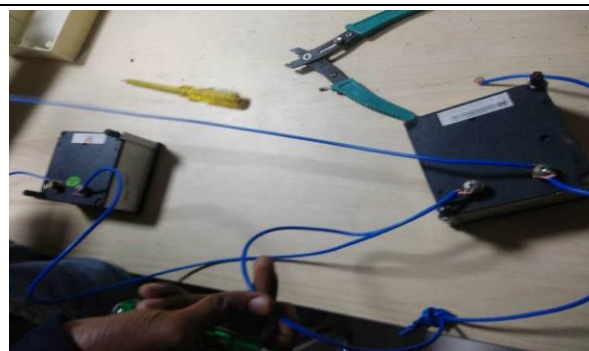
Training on fitting and plumbing



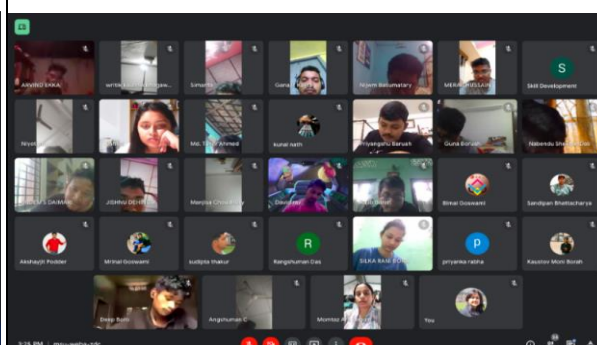
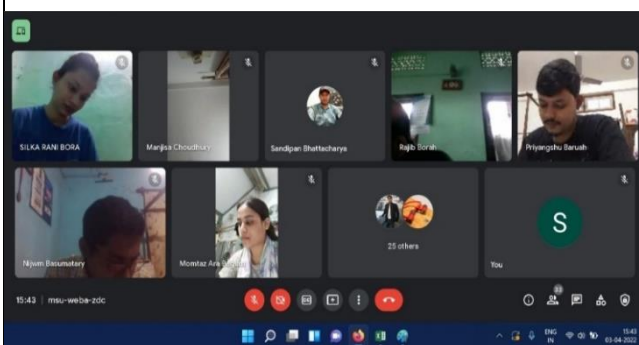
Training on basic and advanced welding



Training for Assistant Electrician



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



### CSIR-NIIST





## CSIR-AMPRI



Participants of Hands on Workshop organized by CSIR-AMPRI Bhopal on 'Basic analytical Technical Skills in Biomedical Research' on 17 October 2022



Participants of Hands on Workshop organized by CSIR-AMPRI Bhopal on 'Workshop and Training on Advanced Materials for Biomedical Engineering Application' on 11 November 2022



Participants of Hands on Workshop organized by CSIR-AMPRI Bhopal on 'Workshop and Training on Technical Skills in Materials Machining and Characterization' on 02 March 2023



Participants with Processing and TEM based characterisation of carbon fibre reinforced Aluminium composites



Water Resources Management Training under Skill Initiative programme

Lab : Analytical and Bio-analytical Chemistry

## CSIR-CBRI

### Training Programme on Structural Pest Management



### Advanced Training Programme on Structural Pest Management



### Residential Capacity Building Programme on Good Construction Practices





Training Programme on Rural Housing -Appropriate Construction Techniques



Orientation Programme on CSIR-CBRI Activities, Policies & Guidelines



Training Programme on Disaster Resilient Building Construction Practices



Training Programme on Landslide Risk Mitigation & Control Measures



Training Programme on Landslide Risk Mitigation

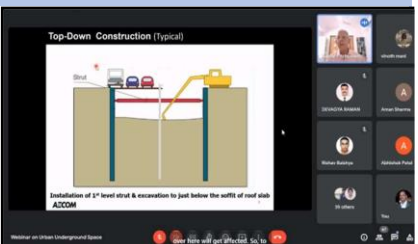




Hands on Training Programme - Simulia Abaqus Software



Webinar on Urban Underground Space



Training Programme on Village Problems - A Solution Journey



CSIR-CBRI Training Programs in Print Media









### Training on Physical Testing of Refractory Materials as per IS Standard



### Training on Terracotta Processing



### Training on drinking water quality parameters





### CSIR-CMERI



### CSIR-CRRI



Trainees are getting ready for field Road Safety Audit Practicals



Written Test under process For Road Safety Audit Skill Development program



Dark Room Lab Demo and CPR Demo for Accident Victims For Road Safety Audit Skill Development program



Capsule Customized Program on Air field Engineering for Border Roads Engineers



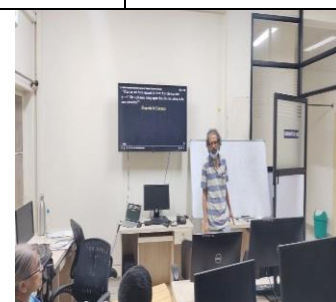


# CSIR-IMMT





## CSIR-NAL



Mr. Nirmal Kumar G, PR



Mr. Sanoop N, ACD



Dr. Ashish Vishnu Shelke, RNCAC

"Certificate of Aerospace Design Assistant - Mechanical" issued to NAL's Staff by Wg. Cdr. Rachit Bhatnagar, CEO - AASSC

## CSIR-NML



## CSIR-NEERI







### CSIR-SERC



### CSIR-NIScPR





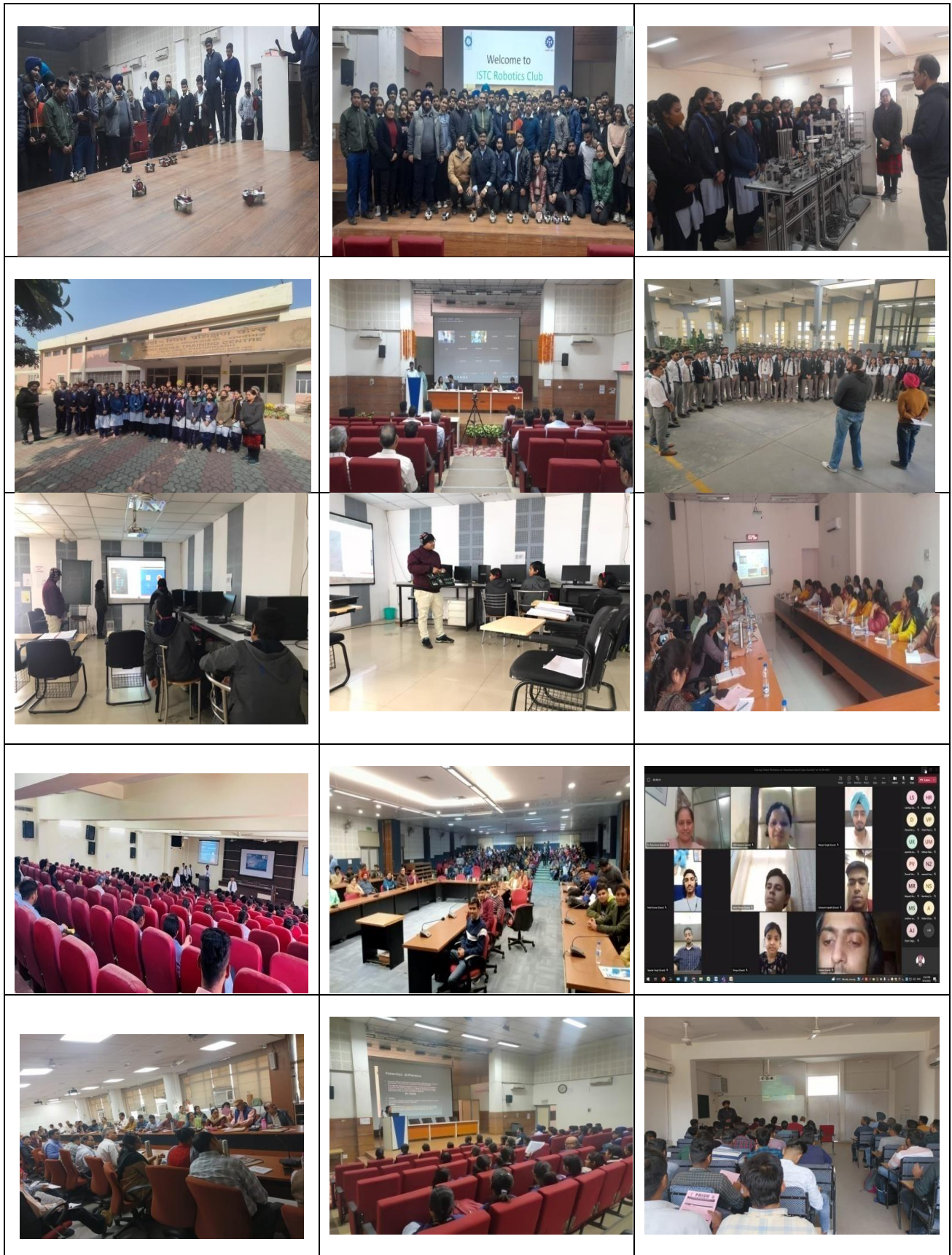
## CSIR-4PI



## CSIR-CSIO









## CSIR-CEERI



## CSIR-NGRI











## CSIR-NPL

