

## FOST

### Information regarding lab equipments and instruments: Earth Science Lab, Dept. of Oceanography

Name of department	Name of Instrument	Number of equipment/ instruments	Date of purchase	Cost of purchase	Date of Installation/ commissioning	Remarks, if any
Department of Oceanography	Radwag Imported Polandmake Analytical Weighing Balance	1	24/03/2022	117600	12/04/2022	Working
Department of Oceanography	CILIKA Head with Tab & Camera 8 M Pfor Polarising Microscope	1	24/03/2022	107100	12/04/2022	Working
Department of Oceanography	<b>Flame Photometer</b>	1	24/03/2022	55500	12/04/2022	Working
Department of Oceanography	<b>Spectro Photometer (Indian Make)</b>	1	24/03/2022	58000	12/04/2022	Working
Department of Oceanography	<b>Binocular Stereo Microscope,</b>	2	24/03/2022	36000	12/04/2022	Working
Department of Oceanography	<b>Binocular Polarising Petrological Microscope</b>	2	24/03/2022	79550	12/04/2022	Working
Department of Oceanography	Signal Stacking Resistivity Meter	1	22/06/2016	200000	22/06/2016	Working
Department of Oceanography	GPS (Model e-Tres)	10	24/03/2022	86625	24/03/2022	Working

### Information regarding lab equipments and instruments: Marine Chemistry Lab, Dept. of Oceanography

Name of Department	Name of instrument	Number of equipment/ instruments	Date of purchase	Cost of purchase	Date of installation/ commissioning	Percentage of utilization
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Dept. of Marine Chemistry	Conductivity Meter	1	27/02/2017	13,244	31/03/2017	100%
Dept. of Marine Chemistry	Heating Mantle	4	15/07/2022	11,160	19/07/2022	50%
Dept. of Marine Chemistry	Centrifuge	1	20/04/2017	99200	20/04/2017	100%
Dept. of Marine Chemistry	ORP Meter	1	28/03/2017	46,999.96	28/03/2017	100%
Dept. of Marine Chemistry	Oil Free Vacuum Pump	1	22-04-2021	17,798.0	24-06-2021	100%
Dept. of Marine Chemistry	Distillation Unit - Single	1	10/05/2017	28011	19/07/2017	100%
Dept. of Marine Chemistry	Hot Air Oven	1	04/05/2018	21,139	04/05/2018	100%
Dept. of Marine Chemistry	Rotary Evaporator	1	2/03/2019	75,150	02/03/2019	100%
Dept. of Marine Chemistry	Muffle Furnace	1	14/02/2019	38,750	16/02/2019	100%

Name of department	Name of instrument	Number of equipment/instruments	Date of purchase	Cost of purchase	Date of installation/commissioning	Percentage of utilization
Dept. of Marine Chemistry	Refractometer	1	04/01/2018	1500	20/02/2019	100%
Dept. of Marine Chemistry	Polarimeter	1	17/02/2018	23,629.66	02/03/2018	100%
Dept. of Marine Chemistry	Colorimeter	1	22/02/2018	8000	02/03/2018	100%
Dept. of Marine Chemistry	Refrigerated circulating System	1	26-03-2021	45395.00	29-06-2021	100%
Dept. of Marine	Visible Spectrophotometer	1	15/03/2018	37,701	15/03/2018	100%

Chemistry						
Dept. of Marine Chemistry	Rotary Shaker	1	07/05/2018	50,950	08/05/2018	100%
Dept. of Marine Chemistry	Double Distillation Unit	1	16/01/2019	36,854	16/1/2019	100%
Dept. of Marine Chemistry	Electronic Balance	1	15-07-2022	38,470.00	19-07-2022	50%
Name of department	Name of instrument	Number of equipment/ instruments	Date of purchase	Cost of purchase	Date of installation/ commissioning	Percentage of utilization
Dept. of Marine Chemistry	Electronic Balance	1	18-03-2021	25,285.00	19-03-2021	50%
Dept. of Marine Chemistry	Kjeldahl Steam Distillation Unit	1	30/01/2018	58472	02/03/2018	100%
Dept. of Marine Chemistry	Hot plate Rectangular	1	08-07-2021	6930.00	22-07-21	100%
Dept. of Marine Chemistry	COD Vario Photometer	1	23-02-2022	1,59,705.00	23-02-2022	100%
Dept. of Marine Chemistry	Water Bath	1	11-07-2022	18985.00	14-07-2022	
Dept. of Marine Chemistry	PH Meter	1	15-07-2022	10890.00	19-07-2022	100%
Dept. of Marine Chemistry	Magnetic Stirrer	1	27/02/2017	7048	20/07/2017	100%

**Information regarding lab equipments and instruments: Physical Oceanography Lab, Dept. of Oceanography**

Name of department	Name of instrument	Number of equipment/ Instruments	Date of purchase	Cost of purchase	Date of installation/ Commissioning	Remarks if any
Physical Oceanography	Aanderaa Bluetooth recording current meter	1	June 2022	7,75,000/-	01/08/2022	Working

Lab/ FOST						
Physical Oceanography Lab/ FOST	Total station Leica TS10	1	March 2023	Rs.8,56,680/-	21/03/2023	Working
Physical Oceanography Lab/ FOST	Aanderaa non-directional wave-tide recorder	1	March 2023	Rs.14,93,343 /-	26/06/2023	Working
Physical Oceanography Lab/ FOST	Portable Digital Depth Sounder PS-7	1	March 2023	Rs.14,750/-	15/03/2023	Working

### DEPARTMENT OF MICROBIOLOGY

SI.No	Name of instrument	No. of instruments	Date of purchase	Cost of equipment (INR)	Make / Model	Present custodian	Working condition	Usage In percentage	Details of warranty period	Remark
1	-86°C ultra low temperature freezer	1	25/03/2023	4,98,550.00	Being Model no – BDW-86L390	Dr. K Manjusha	Working	100	Company validity -1 year Offered validity-3year	
2	PCR Machine	1	07/02/2023	2,35,672	Miniamp plus A-37835		Working	80	Company validity -1 year Offered validity-3year	

3	Refrigerated centrifuge	1	04/02/2022	4,30,500	Thermo scientific Model-ST8R	Working	100	1 year	
4	UV/VIS spectrophotometer	1	8/03/2021	1,81,912	ELICO SL 159	Working	100	1 year	
5	Vortex Mixer	1	18/03/2016	4366	REMI Model No-CM 101 Plus	Working	100	1 year	
6	Bacteriological Incubator	1	30/3/2016	20829	Labline instrument-Model No-INA3	Working	100	1 year	
7	Centrifuge	1	26/03/2016	112130	REMI- CM 12 PLUS	Working	100	1 year	
8	Bio-UV Transilluminator	1	21/3/2016	25302	MEDOX Model No-MX –1282-01	Not working		1 year	
9	Hot air oven	1	30/03/2016	26292	labline with instruments Model No-HO41	Working	100	2 year	
10	Weighing Balance	1	18/03/2016	45897	Scaletech analytical balance Model No-SAB 224CL	Working	100	1 year	
11	P H meter	1	11/04/2016	17640	EuTECH pH meter ECPH tutor	Working	50	1 year	
12	Digital Colony	1	20/04/2	4253	LABTRONIX	Working	80	1 year	

	counter		016		Model No- N37				
13	Autoclave	1	29/04/2 016	12569	KEMI		Not working		1 year
14	Autoclave	1	14/02/2 019	42215	Labline instruments Model No-AV 102		Not working		1 year
15	Laminar air flow	1	29/04/2 016	56070	KEMI Model No KLF.255		Not Working		1 year
16	Laminar air flow	1	7/05/20 19	93102	Rotek SR.No L1923		Working	100	1 year
17	-20°C Deep freezer	1	21/05/2 016	97382	Labline Model No VDF2853		Working	100	2 year
18	Incubator Orbital shaking	1	29/03/2 016	62652	KEMI Model No KOS1.2		Working	90	1 year
19	Refrigerator	1	2/02/20 15	40172	Gorej eon Model No- RT EON 231 PS		working	100	10 Year on the Compressor only
20	Water bath	1	7/05/20 18	14976	Labline instruments Model No- WBD 1		working	100	12 months
21	Distillation Unit 4 Ltr Model 3370	1	13/03/2 016	13-03- 2016	Borosil Model 3370		Not working		12 months
22	Magnetic stirrer	1	21/01/2	12978	Eltek		working	70	1 year

	with hot plate		019		Model PMDC S.No -AIF130				
23	Electrophoresis power supply unit	1	23/01/2019	29850	Tarson S.No 1801092		working	100	1 year
24	Mini dual electrophoresis unit	1	23/01/2019	21670	Tarson		working	100	1 year
25	Digital Colorimeter	1	19/12/2020	11298	scientific enterprises Model – 2918/505		Working	100	12 months, The photocell is warranted only for a period of 3 months from the date of delivery
26	Microscope	1	30/12/2020	28224	MLX-B PLUS LED		Working	100	1 year
27	Microscope	2	5/03/2021	56448	MLX-B PLUS LED		Working	100	1 year
28	Binocular research microscope	1	27/06/19	36,450	Lawrence and Mayo india, model no N-300M		Working	100	1 year
29	Microwave oven	1	8/2/2021	12500	IFB 23BC5		Working	100	3 year
30	Refrigerator	1	24/2/2021	28000	SAMSUNG Model RR26N389ZB S/HL		Working	100	10 Year on the Compressor only
31	Refrigerator	1	28/02/2023	41980	SAMSUNG Model RT 34A4533BX/		Working	100	10 Year on the Compressor only

					HL				
32	BOD incubator	1	14/07/2021	63547	Labline instruments Model BOD 150	Working	100	1 year	
33	Hot air oven	1	20/0/2022	36,380	labline instruments Model No-MHOS4	Working	100%	2 year	
34	Oil free vacuum Pump	1	21/01/2019	22230		Pump is working but suitable hose is not available			
35	Weighing Balance	1	21/03/2016	60700	Uni Bloc SHIMADZU Model No-D30 7532169	Not working		1 year	
36	Weighing Balance	1	22/08/2019	48615	Sclaetech	Not working		1 year	
37	Induction cook top	1	09/02/2021	2500	V Guard VIC 10 V2	Working	50%	1 year	
38	Pressure cooker	2	04/03/2021	13800	Summit 20 L	Working	100%	1 year	

Sl. No	Name of Equipment	Date of Purchase	Cost of Equipment	Make/ Model	Present Custodian	Working Condition	Usage	Details of warranty period	Remarks
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1	Orbital shaking Incubator	15/2/2023	Rs. 99,500	Labline OSI24C	Dr. Maya Raman Satisfactory	working	70%	12 months	
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SI. No	Name of Equipment	Date of Purchase	Cost of Equipment	Present Custodian	User Charge Details	No. of users till date as per log book	Revenue generated till date	Whether purchase under Plan /EAP
1	Refrigerator -230L and stabilizer	10/01/2022	Rs 21,315.00	Dr. Jenny Ann John	Nil	Students and researchers, no log book for refrigerator	Nil	Plan

**Details of Equipment purchased under the plan fund in Marine Biology Lab**

Sl. No.	Name of Equipment	Date of purchase	Cost of Equipment	Make/Model	Present Custodian	Working Condition	Usage frequency (weekly)	Details of warranty period	Remarks
1	Binocular stereo zoom microscope (4 nos)	08-08-2014	3,71,399.99	RSM-8	Dr V P Limna Mol	Working Condition			
2	Inverted Trino Microscope	13-08-2014	1,42,499.83	INVI(Magnus)	Dr V P Limna Mol	Under Service			
3	Radical Dissecting microscope (5 nos)	04-09-2014	7,385.02	RDM 2	Dr V P Limna Mol	Working Condition			
4	Binocular Research microscope Lynx (7 nos)	27-10-2014	1,40,000.00	LM 52-1708-B1	Dr V P Limna Mol	Working Condition			
5	Hot air oven	07-01-2019	23,025.00	KOS-3	Dr V P Limna Mol	Working Condition	5		
6	Electronic Balance	07-02-		Shimadzu.BL220H	Dr V P	Working	4		

		2022	25,960.00		Limna Mol	Condition			
7	Bench top PH meter	11-02-2022	30,345.00	Okton PH550	Dr V P Limna Mol	Working Condition	7		
8	Vacuum pump	07-03-2022	433.75	Rivotek	Dr V P Limna Mol	Working Condition	7		
9	Vertical Laminar Flow 6*2	22-03-2022	2,76,465.00	Calgon scientific	Dr V P Limna Mol	Working Condition	8		
10	Water quality analyser(multiparameter)	10-05-2022	2,11,313.00	Crescent	Dr V P Limna Mol	Working Condition	1		
11	Primostar 3 (microscope)	30-06-2022	4,10,000.00	ZEISS	Dr V P Limna Mol	Working Condition	7		
12	Axioscope 5 Fluorescence Microscope	04-07-2022	14,28,381.00	ZEISS	Dr V P Limna Mol	Working Condition	4		
13	Primostar 1 microscope (5 nos)	31-12-2022	4,79,080.00	ZEISS	Dr V P Limna Mol	Working Condition	9/nos		
14	Analytical Balance	22-02-2019	48,615.00	SAB224CM	Dr V P Limna Mol	Working Condition	9		
15	Voltas chest freezer	09-03-2018	38,000.00	Voltas	Dr V P Limna Mol	Working Condition	8		
16	Refrigerator	28-02-2019	16,065.00	DC 190 TR205	Dr V P Limna Mol	Working Condition	Daily		
17	Tissue Culture rack(2 nos)	09-12-2021	1,03,880.00	calgon scientific	Dr V P Limna Mol	Working Condition	Daily		