



CENTRAL UNIVERSITY OF SOUTH BIHAR

(A Central University established by an Act of Parliament)

SH-7, Gaya-Panchanpur Rd, Vill. Karhara, Post Fatehpur,

PS Tekari, Dist. Gaya-824236 (Bihar). Website: cusb.ac.in

Expression of Interest (Eoi) for
“Shifting of Laboratory Equipments, Instruments &
Other Lab Consumables (Chemicals, Plasticwares)”
from BIT Patna Campus to CUSB Campus at Panchanpur, Gaya.

Index for Expression of Interest (Eoi)

S. No.	Items	:	Details
1.	EOI Notice No.	:	CUSB/PSD/ADMIN/EOI/02/2018-19, Dated: 16/05/2018
2.	Name of work	:	Expression of Interest for “Shifting of Laboratory Equipments, Instruments & Other Lab Consumables (Chemicals, Plasticwares)” from BIT Patna Campus to Central University of South Bihar, SH-7, Gaya-Panchanpur Road, Village- Karhara, Post-Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236.
3.	Pre-bid Meeting	:	21/05/2018 from 11:30 AM onwards at Panchanpur , Gaya.
4.	Start of submission of Eoi	:	23/05/2018
5.	Last date and time for Receipt of Eoi	:	05/06/2018 by 4:00 PM
6.	Date and Time of Presentation	:	06/06/2018 by 11:00 AM
7.	Date and Time of opening of Technical Eoi	:	06/06/2018 (followed by presentation)
8.	Place of opening of Eoi	:	CUSB Panchanpur Gaya.
9.	Shortlisting of Bidders and Issuance of RFP	:	07/06/2018
Desirous bidders are requested to read the complete tender documents before submission of Bids.			



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Post- Fatehpur, P.S- Tekari,
District- Gaya (Bihar) PIN- 824 236

Expression of Interest

Central University of South Bihar (CUSB) is a Central University established by an Act of Parliament and fully funded by the Government of India and having its permanent campus at Panchanpur Gaya (Bihar) with a strength of more than 1000 students and 200 Teaching and Non-Teaching staff.

The University invites Expression of Interest (Eoi) for **“Shifting of Laboratory Equipments, Instruments & Other Lab Consumables (Chemicals, Plasticwares)”** from BIT Patna Campus to its permanent campus at Panchanpur Gaya (Bihar) from OEM or its Authorised Logistic Partner which shall have the liability for de-installation (at Patna Campus of the University), transportation (Patna to Panchanpur, Gaya campus of the University including insurance of the equipment), installation (at University permanent campus at designated place/ location, commissioning to the satisfaction of the end user department.

Request for Proposal (RFP) including Technical & Financial Bid shall only be issued to those firms who shall be declared qualified and shortlisted.

Eoi must be sent in triplicate in a sealed envelope duly super scribed. **“Shifting of Laboratory Equipments, Instruments & Other Lab Consumables (Chemicals, Plasticwares)”** in Central University of South Bihar either by registered post or speed post addressed to the **Registrar, Central University of South Bihar, SH-7, Gaya- Panchanpur Road, Village, Karhara, P.O.: Fatehpur, P.S.:Tekari, District: Gaya - 824236**. The University reserves the right to accept or reject any or all the Eois at any stage of the process or any of the terms on the basis of the justified ground i.e. if not found as per the laid down specifications, evaluations/ exclusion criteria. The prospective bidders/ firms are required to visit the University campus (laboratory) before participating in the said Expression of Interest. The bidders may send queries/ seek clarification in this regard through e-mail – registrar@cub.ac.in or 0631-2229-507.

Registrar

Scope of work

The scope of work covered under this Tender shall include de-installation and re-installation of Laboratory Equipments. Proper packaging, loading and unloading of aforesaid items and Laboratory Consumables (Chemicals, Glassware & other Labwares) from **BIT Patna Campus to CUSB Permanent Campus at Panchanpur, Gaya - Tekari Road, Gaya.**

Eligibility Criteria (in case the Authorised Logistic Partner of OEM is participating the Eol).

- 1) The firm / bidder must have an Annual Turnover of Rs.10 lakhs in last three financial years i.e. 2016-17, 2015-16 and 2014-15.
- 2) The firm/ bidder must have sufficient expertise in transportation of such goods (Laboratory Equipments, Instruments, Laboratory Consumables etc.) and completed similar kind of works preferably in Govt. organisation or reputed organisation in last three years, copy of the same to be attached.
- 3) The firm/ bidder must have authorisation of OEM of equipment to be shifted stating clearly that OEM shall provide all technical support to their logistics partner.



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Disclaimer

While all efforts have been made to prepare the list of items (Laboratory Equipments, Instruments, Lab Consumables other Labwares) to be shifted from BIT Patna Campus to its permanent campus at Panchanpur Gaya in this EOI Document, this document does not purport to contain all the information required by the bidders. The bidders should visit to University campus at Patna for independent assessment, and analysis and should check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their EOI application. Central University of South Bihar (CUSB), Gaya, or any of its employees or advisors shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness in this regard.

CUSB reserves the right to change any or all conditions/ information set in this EOI Document by way of revision, deletion, updation or annulment through issuance of appropriate addendum and which will be displayed on the website of the University only (www.cusb.ac.in).

The CUSB will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the EOI applications to be submitted in terms of this Document.

Instruction to Bidders

1. Issue of EOI document

EOI Document can be downloaded from the University website www.cusb.ac.in.

2. Number of EOI submission

The bidders has to submit only 01 (one) EOI. Any bidder, which submits or participates in more than one EOI would be disqualified and would also cause the disqualification.

3. EOI preparation cost

- 3.1. The bidder shall bear all costs associated with the preparation and submission of the expression of interest and neither Authority will in any case be responsible and liable for sub-costs, regardless of the conduct or outcome of the EOI process.
- 3.2. All papers/ documents submitted with the EOI are neither returnable nor claimable.
- 3.3. Authority reserves the right to reject any EOI if: At any time it is found that a material misrepresentation is made by the bidder, or the bidder does not respond promptly and satisfactorily to the requests for supplementary information required for the evaluation of the EOI.
- 3.4. The misrepresentation/ improper response may lead to the disqualification of the bidder.

4. Preparation and submission of EOI document

4.1. Language

- 4.1.1. All informations in the EOI must be in English language. Information in any other language, if not accompanied by an authenticated translation in English, shall not be considered. In the event of any discrepancy between the offer in a language other than English and its English translation, the English translation shall prevail.

4.2. Clarifications on EOI Documents

- 4.2.1. Bidders requiring any clarification on the EOI may write on registrar@cub.ac.in.
- 4.2.2. Pre-Bid meeting would be held as per the date of events mentioned in EOI. The bidders are encouraged to participate in the pre-bid meeting for better understanding of scope of work and the prevailing conditions.

4.3. Amendment of EOI Document

- 4.3.1.** Before the deadline for submission of EOI, if found necessary, the EOI document may be modified by the Authority by issue of Addendum/ Corrigendum on the website of the University.
- 4.3.2.** Any Addendum/ Corrigendum issued shall be uploaded on the University website and shall be a part of the EOI Document.
- 4.3.3.** To give prospective bidders reasonable time in which to take the Addendum/ Corrigendum into account in preparing their EOI, extension of the deadline for submission of Eois may be given as considered necessary by the Authority.
- 4.3.4.** No overwriting, use of fluid or erasing is permitted in submission of documents otherwise it will not be considered and will be summarily rejected.
- 4.3.5.** The Eoi should be submitted before due date and time at the address mentioned in Eoi document. Late/ delayed submission of Eoi response would lead to the rejection of the bidder. No correspondence in this matter shall be entertained.
- 4.3.6.** **The bidders are required to submit detailed presentation on the action plan/ workflow chart with date wise event for completing the scope of work as mentioned in this Eoi document.**

5. Confidentiality

- 5.1.** All documents issued and information given to the bidder shall be listed as Confidential

6. Late/ Delayed EOI

- 6.1.** Any EOI received by the bidder after the specified date and time of receipt of EOI will not be accepted for consideration.

7. Modification/ Substitution/ Withdrawal of EOI

- 7.1.** The bidder will not be allowed to modify, substitute or withdraw its EOI after expiry of the deadline for receipt of the EOI.

8. Confidentiality

- 8.1.** Information relating to the examination, clarification, evaluation and recommendation for the short-listed bidders shall not be disclosed to any person not officially concerned with the process.

9. Evaluation

9.1. For short listing process, the decision of the Committee will be final and that Committee will only decide whether each EOI is responsive to the requirements of the EOI Document or not.

9.2. **Shortlisting of bidders for issuance of Request For Proposal (RFP) shall be decided based on the presentation and fulfilling the eligibility conditions as stipulated in this Eoi document. Those bidders who fail to participate in presentation shall not be considered for shortlisting process for issuance of RFP and their proposal shall be summarily rejected.**

10. Clarifications Sought by the Authority

10.1. To assist in the process of evaluation of EOI, the Committee/ University authority may, at its sole discretion, ask any bidder or their authorized representative for clarification on the Eoi submitted by them. The request for clarification and the response shall be in writing or by facsimile. No change in the substance of the EOI would be permitted by way of such clarifications.

11. Notifications

11.1. The University will notify the successful short listed bidders for to receive RFP from for next stage of evaluation.

12. List of Equipments proposed to be shifted:

The List of equipment to be de-installed (University Temporary Campus, BIT Patna) transferred (University Patna Campus to Permanent campus, panchanPur, Gaya) re-installed (designated allocated space at Permanent campus, PanchanPur, Gaya) and make them functional to the satisfaction of the end user department is attached as **Annexure-A**.

13. Inspection of site by the bidders

13.1. Bidders are advised to inspect and examine the University Campus from where equipments (Presently installed and proposed to be installed) to be shifted and its surroundings and satisfy themselves before submitting their EOI.

Note:

- 1) Bidders are requested to quote their rate as lump-sum after visiting the site at Patna and Panchanpur (University campus) for which **Md. Mudassir Alam, PRO**, may be contacted on e-mail PRO@cub.ac.in, Mobile – 09871723607 and Mr Atul Kr Singh, Junior Engineer (Electrical) e-mail - atulsingh@cusb.ac.in.

LIST OF LABORATORY EQUIPMENTS (LIFE SCIENCE)

Sl. No.	Name of the Equipment with Fixed Assets No.	Make & Model	Dimension (in inch)			Components of the Equipment	Tentative weight of equipment	Whether de-installation and installation after shifting is required	Special Care (if any) for shifting of equipment to Permanent Campus	Whether packing in the carton or wooden frame is required
			Length	Height	Width					
1	Akta purifier chromatography system along with accessories Fixed Asset Number	General Electric Company	19	24	19	UPS, Computer set, Sample rotar (CUB/E/FPLC/CPU/1/13)		Yes	Glass	Wooden
2	Autoclave portable aluminium size 12"x12" electrical operated			12	12	#NAME?	10	No		Wooden
3	Bi-gr1-e gel rocker	Bench Top	12	8	11		10	No		Cartoon
4	Co2 incubator	Thermo Scientific	25	40	26	CO2 Cylinder, Regulator		Yes		Wooden
5	Centrifuge with adjustable speed with quick run facility model: x3r	Thermo Scientific/X3r	26	15	30	Rotar		Yes		Wooden
6	Digital round top stirring hot plate (Qty-2)	IKA	11	4	7		3	No		Cartoon
7	Deep freezer -20 c	Vestfrost	24	72	24	Stabilizer CUB/ES-1/4/14		Yes		Wooden
8	2D gel electrophoresis unit 1121ef 2d system with 1709620-pd quest basic 2d analysis software	BioRad	18	9	15			No		Cartoon/Wooden
9	G box-chemi xrf5 ,gel documentation system		12	33	30	Computer CUB/E/Jeldoc/1A, 1B, 1C/13		Yes		Wooden
10	Human physiology data acquisition system		16	6	20		15	No		Cartoon
11	Homogenizer with teflon pestles		15	33	16	Speed Regulator CUB/A/01/14	5	No		Cartoon
12	Ice flacker machine	Wenger Weighing Scales Ltd./LMIF100	26	34	22		30	Yes		Wooden

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LIST OF LAB EQUIPMENTS (BIOTECHNOLOGY)

Sl. No.	Name of the Equipment with Fixed Assets No.	Make & Model	Dimension (in inch)			Components of the Equipment	Tentative weight of equipment	Whether de-installation and installation after shifting is required	Special Care (if any) for shifting of equipment to Permanent Campus	Whether packing in the cartoon or wooden frame is required
			Length	Height	Width					
1	Laminar Air Flow	Optics/ SI.No. 2004	41	59	40	NIL	50 kg	Yes	Glass	Wooden Frame
2	Hot Plate	Kumar	19	9	13	NIL	20 kg	NO		Cartoon
3	Water Bath Shaker	Rivotec	27	18	17	NIL	20 Kg	NO		Wooden Frame/Cartoon
4	Mini Centrifuge	Fisher Scientific/Cat. No. 05-090-100	7	7	7	NIL	01 Kg	NO		Cartoon
5	Magnetic Stirrer with Hot Plate	IKA/CMAG HS7	13	4	9	NIL	02 Kg	NO		Cartoon
6	Microscope Olympus CH201	Olympus/CH201	14	16	7	NIL	01 Kg	NO		Wooden Frame
7	Olympus GB Microscope	Olympus/GB	8	7	11	NIL	01 Kg	NO		Wooden Frame
8	Lab Dancer Vertex Mixer	IKALab Dancer	3	3	3	NIL	200g	NO		Cartoon
9	Laboratory Incubator	Rivotec	29	42	32	NIL	50 kg	NO		Wooden Frame
10	Heating Mantle 1000ml	IKA	10	7	8	NIL	500g	NO		Cartoon/Wooden Frame
11	Balance Chemical	jhe/Bikas Balance Work	10	17	15	NIL	02 Kg	NO		Wooden Frame/Cartoon
12	Plant Tissue Culture Rack with Timer	Saveer Biotech	54	70	18	Timer	20 Kg	Yes		Wooden Frame
13	Table Top Refrigerated Centrifuge	Thermo Scientific/Sorvel	18	14	11	NIL	10 Kg	NO		Wooden Frame
14	Incubated Shaker	Thermo Scientific/4360	27	41	30	NIL	50 Kg	NO		Wooden Frame
15	Electronic Balance	Metler Toledo	15	13	9	NIL		NO		Wooden Frame
16	Inverted Research Microscope with other accessories.	Nikon/Eclipser Tiu	27	29	26	Desktop with keyboard & mouse (CUB/C/CPU/27 CUB/LCD/27 CUB/KB/27) 1 Mercury Lamp power supply	40 kg	Yes		Wooden Frame

17	Binocular Microscope CX21	Olympus/CX21	9	13	6	NIL	03 Kg	NO		Wooden Frame
18	Trinocular Microscope CX31	Olympus/CX31	12	14	7	NIL	03.5 Kg	NO		Wooden Frame
19	Water Purification System With 4 componenets	Elix Synergy	22	19	13	synergy-12x22x15 w/tank-16x25x14 moter-10x15x12	50 Kg	Yes		Wooden Frame
20	Eppendorf PCR Machine	No. 6302-011485/Eppendorf AG 22331 Hamburg	16	16	10	Laptop	10 Kg	Yes		Wooden Frame
21	Refrigerator 343L tr.	Eon/Godrej	28	69	24	Stabilizer		NO		Wooden Frame/Cartoon
22	pH Meter Handy	Eutech	6.5	1	2	NIL	100g	NO		Cartoon
23	Heating Block	50031004	8	8	5	laptop	1.5 Kg	NO		Wooden Frame/Cartoon
24	Chemi Doc MP system, Gel Documentation	Universal Hood3	16	48	25	Laptop (CUB/BTN/ChemiDoc/Laptop/BT-3/09/13		Yes		Wooden Frame
25	Hybridization/Oribtal Oven	GX-11518/Genetix	18	18	18	NIL		NO		Wooden Frame
26	iMark Microplate Absorbance Reader with Microplate Manager software	iMark/ BIORAD	14	7	14	NIL	3.5 Kg	NO		Wooden Frame
27	Vertical Gel Electrophoresis- Mini Protean tetra cell -4 Gel System	BIORAD	15	7	5	NIL	1 kg	No		Wooden Frame
28	Horizontal Electrophopresis Unit- Mini Sub Cell GT System	BIORAD	5	7	5.5	NIL	1 Kg	No		Wooden Frame
29	Nano Drop UV/VIS Spectrophotometer	Thermo Scientific/Nanodrop2 00C	8	8	6	Laptop (CUB/BTN/Na noDrop/BT3/4 2/3	05 Kg	Yes		Wooden Frame
30	Orbitek Incubator Shaker, Orbitek LETTH	Orbitek/Sciogenic Biotech	28	41	24	NIL		Yes		Wooden Frame
31	Sonicator	Q125/Qsonica	14	6	8	churner-9x25x6	05 Kg	NO		Wooden Frame

32	Transilluminator	GeNei/SI. No. 12100849	10	5	14	NIL	05 Kg	NO		Wooden Frame
33	Trans-Blot Turbo	Trans Blot Turbo System	10	8	8	NIL	05 Kg	NO		Wooden Frame
34	Thermal Cycler VERITI 96 Well	Ref-4375786/Verity 96 well	19	10	10	NIL	10 kg	Yes		Wooden Frame
35	Universal Power Supply. Power Pack	BioRad/	10	4	12	NIL	1.5 Kg	NO		Wooden Frame
36	Water Bath, Low Temperature Circulating	Bench Top/BL-7100	12	16	26	NIL		NO		Wooden Frame
37	Refrigerated High Speed Table Top Centrifuge with Changeable CUB/BTN/ CENTRIFUGE	Thermo Scientific	26	15	30	Rotors		NO		Wooden Frame
38	Rocker/Rotary Shaker	MES-177/Matrix Eco Sol.	12	18	13	NIL	05 Kg	NO		Wooden Frame
39	Biosafety Cabinet(Fixed Asset No .	Thermo Scientific	30	87	52	Stabilizer		Yes		Wooden Frame
40	Deep Freezer (-86°C)	Thermo Scientific	36	78	33	Stabilizer		Yes		Wooden Frame
41	Stackable Incubator Shaker	Thermo Scientific	30	25	57	Stabilizer- 15x15x18		Yes		Wooden Frame
42	Deep Freezer (-40°C)	Thermo Scientific/PLF276	28	69	28	Stabilizer		Yes		Wooden Frame
43	Autoclave Vertical	Cryoseal	15	36	15	NIL	40 Kg	NO		Wooden Frame
44	Refrigerator LG	LG/GL478GGLQ5	27	68	27	NIL		NO		Wooden Frame/Cartoon
45	Autoclave Vertical Tomy	Tomy/SX-700	21	40	19	Stabilizer	80 Kg	NO		Wooden Frame
46	Induction Top	Prestige/Fute	14	2	12	NIL	2 Kg	NO		Wooden Frame/Cartoon
47	Projector Multimedia with accessories	Unecops Technology Ltd/V300WG	10	2	8	Ceiling Mount Kit, Projector Screen (8x8feet)	02 Kg	NO		Wooden Frame
48	Camera with accessories	Nikon	7	5	6	Tripod, lens	01 Kg	NO		Cartoon
49	Freeze Dryer (Lyophilizer)(Fixed Asset No.	Optics/ SI.No. 2004	24	36	31	Stabilizer	80 Kg	Yes		Wooden Frame
50	Ice Flacking Machine	Cole Parm	32	60	22	NIL	80 Kg	Yes		Wooden Frame
51	Cryo Can 1.6L	Cryoseal	9	17	9	NIL	1 Kg	No		Cartoon
52	Cryo Can 10.5L	Cryoseal	12	26	12	NIL	5 Kg	No		Cartoon

53	Cryo Can 20.5L	Cryoseal	19	28	19	NIL	10 Kg	No	Cartoon
54	Microwave Ovan								
55	Compuer (LCD, Keyboard)								
56	Compuer (LCD, Keyboard)								
57	BOD Inquveter - Project of Dr. Jawed Ashan								
58	Centrifuse- Project of Dr. Nitish Kumar								
59	PCR Machine Project of Dr. Nitish Kumar								
60	275 Lt. Refrigerator Project Dr. Antresh Kr.								
61	165 Lt. Refrigerator Project Dr. Krishna Prakash								
62	Uv-Vis spectrophotometer	Thermofisher	16	11	25	Ups-25x12x16			
63	Vortex Mixture								
64	Refrigerator	Samsung	27	65	22				
65	Mini Spin								
66	Agarose Gel Assembly								
67	Power Pack								
68	Proflex PCR	Invitrogen(life technologies)	22	11	14	2 KVAStabilizer-			
69	Eppendorf Centrifuge	Eppendorf/5418	11	8	8				
70	Computer Set	HP							
71	Dual Adjustable Slab Gel Unit								
72	Printer HP	1005							
73	Hair Dryer	Philips							
74	Samsung Galaxy Tab	Samsung							
75	Printer HP colour laser jet	HP							
76	Printer Mfp	HP							
77	Electric Kettle	Prestige							
78	UPS APC	APC							
79	Nucleic Acid Electrophoresis Unit								
80	Refrigerated Micro Centrifuge	Tarson							

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LIST OF LABORATORY EQUIPMENTS (ENVIRONMENTAL SCIENCE)									
Sl. No.	Name of the Equipment with Fixed Assets No.→	Make & Model	Dimension (in inch)			Tentative weight of equipment	Whether de- installation and installation after shifting is required	Special Care (if any) for shifting of equipment to Permanent Campus	Whether packing in the cartoon or wooden frame is required
			Length	Height	Width				
1	Rotary Evaporator	Hedolph/Hei-Vap precision	21	36	26	20 kg	YES	YES	Wooden/Cartoon
	Chiller		22	27	9	30 kg	YES	YES	Wooden/Cartoon
	Vacuum pump		12	8	7	10 kg	YES	YES	Wooden/Cartoon
2	Fluorescence Microscope	Leica/M205 FA	24	34	15	40 kg	YES	YES	Wooden/Cartoon
	Accessories box		36	36	36	15 kg	YES	YES	Wooden/Cartoon
	2 Desktop/ 1 printer		18	18	18	10 kg	YES	YES	Wooden/Cartoon
	UPS 1 Kva		12	6	6	5 kg	YES	YES	Wooden/Cartoon
3	Digestion and Steam Distillation Unit for Kjeldahl Nitrogen	Pelican/Classic DX-VA-TS	21	28	16	15 kg	YES	YES	Wooden/Cartoon
	Hot Plate with stand		30	14	24	30 kg	YES	YES	Wooden/Cartoon
	Scrubber		26	20	14	15 kg	YES	YES	Wooden/Cartoon
	Accessories Box		36	36	36	15 kg	YES	YES	Wooden/Cartoon
4	Bench Top Luminescence Spectrophotometer	Perkin Elmer/LS- 55	24	12	34	50 kg	YES	YES	Wooden/Cartoon
	Accessories box		36	36	36	15 kg	YES	YES	Wooden/Cartoon
	2 Desktop/ 1 printer		18	18	18	10 kg	YES	YES	Wooden/Cartoon
5	UPS 2 Kva		19	14	10	15 kg	YES	YES	Wooden/Cartoon
	Gas Chromatography system		30	36	36	60 kg	YES	YES	Wooden/Cartoon
	Head Space Sampler		30	28	20	15 kg	YES	YES	Wooden/Cartoon

ii	Hydrogen+Nitrogen+Zero Air+ Helium cylinder 47 ltr each with gas panel	Perkin Elmer/Calrus 680	60	12	12	47 kg	YES	YES	Wooden/Cartoon
iii	Desktop/ printer		18	18	18	10 kg	YES	YES	Wooden/Cartoon
iv	6 kVa APC UPS + 18Ah battery 16 pics		36	19	10	200 kg	YES	YES	Wooden/Cartoon
6	GCMS		27	21	28	60 kg	YES	YES	Wooden/Cartoon
I	Head Space Sampler	Perkin Elmer/Calrus 580	30	28	20	15 kg	YES	YES	Wooden/Cartoon
ii	Hydrogen+Nitrogen+Zero Air cylinder 47 ltr each with gas panel		60	12	12	47 kg 36	YES	YES	Wooden/Cartoon
iii	Desktop/ printer		18	18	18	10 kg	YES	YES	Wooden/Cartoon
iv	Mass spectrometer		27	21	13	15 kg	YES	YES	Wooden/Cartoon
V	Vacuum pump		16	19	8	20 kg	YES	YES	Wooden/Cartoon
vi	6 KVa APC UPS + 26 Ah battery 16 pics		36	19	10	200 kg	YES	YES	Wooden/Cartoon
7	Uv/Vis Spectrometer	Perkin Elmer/Lamda-25	24	11	27	35 kg	YES	YES	Wooden/Cartoon
I	2KVa APC UPS + 26 Ah 4 pics battery		20	8	20	60 kg	YES	YES	Wooden/Cartoon
ii	Accessories Box		36	36	36	10 kg	YES	YES	Wooden/Cartoon
iii	Desktop/ printer		18	18	18	10 kg	YES	YES	Wooden/Cartoon
8	Bomb Calorimeter	IKA/C-200	18	17	18	30 kg	YES	YES	Wooden/Cartoon
I	Chiller		19	26	10	30 kg	YES	YES	Wooden/Cartoon
ii	Oxygen gas cylinder 47 ltr		60	12	12	47 kg			Wooden/Cartoon
9	Table top Scanning Electron Microscope	Jeol	50	66	41	435 kg	YES	YES	Packed in woodenbox
i	Box-1		38	50	48	150 kg	YES	YES	Packed in woodenbox
ii	Box-2		72	50	48	280 kg	YES	YES	Packed in woodenbox

iii	UPS 5kVA+Stand+16 pc battery		36	19	10	200kg	YES	YES	Wooden/Cartoon
iv	Step down stabilizer 5kVA		18	12	18	50 kg	YES	YES	Wooden/Cartoon
10	Automated Solvent extraction system	Thermo Scientific/ASE-350	36	44	10	50 kg	YES	YES	Wooden/Cartoon
i	Accessories Box		36	36	36	20 kg	YES	YES	Wooden/Cartoon
ii	Desktop/ printer		18	18	18	10 kg	YES	YES	Wooden/Cartoon
iii	Nitrogen cylinder 47 ltr		60	12	12	47 kg	YES	YES	Wooden/Cartoon
11	Atomic Absorption Spectrophotometer		32	18	14	30 kg	YES	YES	Wooden/Cartoon
i	Graphite system		22	17	14	50 kg	YES	YES	Wooden/Cartoon
ii	Flame ionizer		28	23	24	10 kg	YES	YES	Wooden/Cartoon
iii	Hydride Generator		15	12	15	5 kg	YES	YES	Wooden/Cartoon
iv	Desktop/ printer		18	18	18	10 kg	YES	YES	Wooden/Cartoon
V	Hood and Zero air generator	Thermo Scientific/IEC-3000					YES	YES	Wooden/Cartoon
vi	Nitrous oxide+Acetylene+Argon cylinder each 47ltr (Total 03 cylinder)		60	12	12	47 kg	YES	YES	Wooden/Cartoon
vii	Chiller	Thermo Scientific/IEC-3000	25	28	15	50 kg	YES	YES	Wooden/Cartoon
viii	Uniline 15 Kva UPS with 28 AH 30 battery		36	26	18	300 kg	YES	YES	Wooden/Cartoon
12	Microwave Assisted Sample Preparation System	Milestone/START-D	26	26	22	45 kg	YES	YES	Wooden/Cartoon
i	Accessories Box		36	36	36	15 kg	YES	YES	Wooden/Cartoon
13	Portable CO2 and H2o Analyzer	CID/CI-340	18	12	18	3 kg	NO	NO	Packed
14	CHNS-O Elemental Analyzer		26	30	22	45 kg	YES	YES	Wooden/Cartoon

i	Accessories Box	Euro vector/EA3000	36	36	36	10 kg	YES	YES	Packed
ii	Oxygen cylinder(10ltr)+Helium cylinder 47 ltr(Total=02)		60	12	12	47 kg	YES	YES	Wooden/Cartoon
iii	Desktop/ printer		18	18	18	15	YES	YES	Wooden/Cartoon
iv	Stabilizer 5 kVA		18	20	18	30 kg	YES	YES	Wooden/Cartoon
15	Ion Chromatography system	Metrohm/881 IC pro	24	24	14	15 kg	YES	YES	Wooden/Cartoon
I	Desktop/ printer		18	18	18	10 kg	YES	YES	Wooden/Cartoon
ii	Auto sampler		24	18	12	5 kg	YES	YES	Wooden/Cartoon
iii	Detector		18	11	16	7 kg	YES	YES	Wooden/Cartoon
iv	Accessories box		36	36	36	15 kg	YES	YES	Wooden/Cartoon
16	Advance Inverted Microscope	Olympus/IX	30	30	16	25 kg	YES	YES	Wooden/Cartoon
I	Mercury + visible Lamp		14	12	10	08 kg	YES	YES	Wooden/Cartoon
ii	Desktop/ printer		18	118	18	10 kg	YES	YES	Wooden/Cartoon
iii	Accessories box		36	36	36	10 kg	YES	YES	Wooden/Cartoon
17	Fume Hood	Duttco					YES	YES	Wooden/Cartoon

LIST OF LABORATORY EQUIPMENTS (ENVIRONMENTAL SCIENCE)										
Sl. No.	Name of the Equipment with Fixed Assets No.	Make & Model	Dimension (in inch)			Components of the Equipment	Tentative weight of equipment	Whether de-installation and installation after shifting is required	Special Care (if any) for shifting of equipment to Permanent Campus	Whether packing in the cartoon or wooden frame is required
			Length	Height	Width					
1	B. O. D Incubator	Acme Instruments	48	62	30	Stabilizer	50 kg	No	No	Cartoon
2	B. O. D Incubator	Matix/MFS-106	30	60	28	NA	50 kg	No	No	Cartoon
3	Incubator (Hot air oven)	Acme Instruments	20	28	21	NA	8 kg	No	No	Cartoon
4	Hot Plate	KR. sales	14	12	18	NA	20 kg	No	No	Cartoon
5	Magnetic Stirrer with hot plate	Ika	14	5	10	NA	2 kg	No	No	Cartoon
6	Micro scope CH201	Olympus/CH201	14	16	10	NA	1 kg	No	No	Cartoon
7	CentrifugeR-8c (Midi)	Remi/R8C	19	13	16	NA	20 kg	No	No	Cartoon
8	Micro scope GB	Olympus/GB	12	14	10	NA	2 kg	No	No	Cartoon
9	Centrifuge 8 tubes	Remi	18	24	18	NA	5 kg	No	No	Cartoon
10	Muffle furnace	J. Scientific	32	28	24	NA	20 kg	No	No	Cartoon
11	Laboratory oven	Rivotek	28	36	24	NA	15 kg	No	No	Cartoon
12	Digital colony counter	Hi-media	12	12	12	NA	1 kg	No	No	Cartoon
13	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
14	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
15	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
16	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
17	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
18	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
19	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
20	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon

21	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
22	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
23	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
24	Binocular Microscope	Olympus/CX21	14	16	10	NA	4 kg	No	No	Cartoon
25	Trinocular Microscope	Olympus/CX31	14	16	10	NA	5 kg	No	NO	Cartoon
26	Trinocular Microscope	Olympus/CX31	14	16	10	NA	5 kg	No	NO	Cartoon
27	Trinocular Microscope	Olympus/CX31	14	16	10	NA	5 kg	No	NO	Cartoon
28	Respirable Dust Sampler	Envirotech	28	46	16	NA	30 kg	No	NO	Cartoon
29	Flame Photometer	Systronic	18	14	14		15 kg	No	NO	Cartoon
30	Digital Turbidity Meter	Systronic	12	12	12	NA	5 kg	No	No	Cartoon
31	Sieve Shaker	Coal Parmer	18	12	14	14 Sieves	30 kg	NO	No	Cartoon
32	EC pH Tutor	Eutech	10	10	10	NA	0.5 kg	NO	NO	Cartoon
33	Double Distillation Unit	Revera/D-15/1.5L	14	38	14	Softner, cutout & Accessories	20 kg	Yes	Yes	Cartoon
34	Digital spectrophotometer	Systronic	24	10	18	NA	5 kg	Yes	Yes	Cartoon
35	Orbital Shaker cum Incubator	Remi	48	54	36	Stabilizer	60 kg	Yes	Yes	Cartoon
36	Stereo Zoom Microscope	K R Lynch/Gippon Inc	12	18	8	NA	5 kg	NO	NO	Cartoon
37	Stereo Zoom Microscope	Magnus/MSZ-Bi	12	20	8	NA	5 kg	No	No	Cartoon
38	Heating Mental	J. Scientific	12	15	12	NA	2 kg	No	No	Cartoon
39	Electric Bunsen Burner	J. Scientific	12	15	12	NA	1.5 kg	No	No	Cartoon
40	GPS	Garmin	5	5	5	NA	0.2kg	No	No	Cartoon
41	Analytical Balance	Sartorius	12	18	12	NA	3kg	No	No	Cartoon
42	Deep Freezer	Voltas	72	34	30	Stabilizer	50 kg	Yes	Yes	Cartoon
43	Nikon Digital Coolpix P-500 Digital Camera Sl. No-70178854	Nikon								

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			Length	Height	Width					
1	Portable Multi Parameter	Hanna/HI-9828	20	6	15	NA	05 Kg.	NO	Yes	Cartoon
2	Stream Sediment	Asian scientific/Imported	26	6	12	NA	04 Kg.	No		Cartoon
3	Portable Multi Parameter	Hanna/HI-4103	21	14	15	NA	10 Kg.	No	Yes	Cartoon
4	Sonicator	Asian Scientific/S-150	7	9	8	Stablizer	10 Kg.	No	Yes	Cartoon
5	Plankton wheel	Sisco/CT-3000	12	20	15	NA	10 Kg.	NO	Yes	Cartoon
6	UV Hood	Local Made	26	58	13	NA	60 Kg.	NO	Yes	Wooden Box
7	Plant Growth Chamber	Sisco/PGCA 305	23	67	29	Stablizer	80 Kg.	No	Yes	Cartoon
8	Hot Air Oven	Sisco/STC 007	24	32	18		30 Kg.	NO	Yes	Cartoon
9	Macro Invertibrate Sample		20	12	24	NA	10 Kg. Each	No	Yes	03 Carton Required

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			Length	Height	Width					
1	HP Computer Server	HP/Proliant ML350 Gen9	32	18	10		50 kg	Yes	Yes	Cartoon
2	IBM Computer Server	IBM/Power 710	34	6	19		60 kg	Yes	Yes	Cartoon
3	HP Laser Jet Printer	HP/MF-1005MFP	6	2	6	NA	15 kg	No	Yes	Cartoon

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			Length	Height	Width					
1	LED Flourimeter	Q.Lase/LF-2	24	8	24	UPS 1kVA	30 kg	No	Yes	Cartoon
2	Multi Electrodes	Thermo/	24	12	12	Desktop	6 kg	No	Yes	Cartoon
3	Deep Freezer	Voltas/320LDD	60	36	40	Stabilizer	30 kg	No	Yes	Cartoon
4	Vacuum Freezer	Bioscience	30	18	18	Vaccum Pump	50 Kg	No	Yes	Cartoon
5	Centrifuge	Remi PR-24	24	18	24	NA	45 KG.	NO	Yes	Wooden/Hard cartoon
6	Micro pipettes	Thermo	18	12	18	NA	3 kg	No	Yes	Cartoon

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			Length	Height	Width					
1	Balance	Wenser/PGB-6000	24	8	18	NA	5 kg	No	No	Cartoon
2	COD	Instrumex/IPM1909	15	18	18	Air Condensor	10 kg	No	Yes	Cartoon
3	ORP METER	Oakton/ORP10	6	2	6	NA	.025 kg	No	No	Cartoon

LIST OF EQUIPMENTS (ENVIRONMENTAL SCIENCES)

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			Length	Height	Width					
1	Deep Freezer	Voltas: LT-DR	60	36	40		30 Kg.	No	Yes	Cartoon
2	GPS System	Garmin: Etrex 20	5	1	2		0.5 Kg.	No	NO	Cartoon
3	Air Sampler	Envirotech APM 550 M	24	30	60	NA	20 kg	NO	Yes	Cartoon
4	Sokshlet Extractor	Bionic 74	40	18	18	NA	05 Kg.	No	Yes	Cartoon

