

બિડાણ:- Director, Gujarat Biotechnology Research Centre, Department of Science & Technology, Government of Gujarat circular No: GBRC/Dir/Shared.Fac / 709 /2018-19/80 Date:16/11/2018

વિષય:- Guidelines for using shared Laboratory of GBRC


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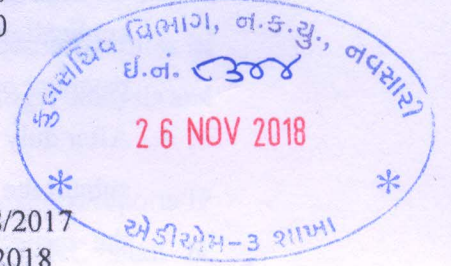
નવસારી કૃષિ યુનિવર્સિટી નવસારીના તમામ યુનિટ /સબ યુનિટ અધિકારીશ્રીઓ તરફ ખાણ તેમજ અમલ કરવા સારું.

સામેલ:- ઉપર મુજબ. (પત્રની નકલ)


ઈ/શ્રી.કુલસચિવ
નવસારી કૃષિ યુનિવર્સિટી
નવસારી.

**Guidelines for using Shared
Laboratory of GBRC**

Gujarat Biotechnology Research Centre
Department of Science & Technology, Government of Gujarat
Circular No.: GBRC/Dir/Shared.Fac/709/2018-19/80
Date: 16/11/2018



READ:

1. Government Resolution No: BTM-102016-299-BT dated 11/08/2017
2. Government Resolution No. BRC-102018-29-BT dated 20/04/2018
3. Government Resolution No. BRC-102918-30-BT dated 20/04/2018

CIRCULAR

The Government of Gujarat has constituted an independent society Gujarat Biotechnology Research Centre (GBRC) under the aegis of Department of Science and Technology to accelerate the research in biotechnology in the state (Read 1). The focus of GBRC is to conduct innovative research leading to Product/Process/Prototype development with application in healthcare, agriculture, environment and marine, etc.

As mandated of the State Govt., GBRC is also evolving as a state-of-art shared laboratory facility by extending its infrastructure to outside organization/Institutions/Industries/Students for their research purposes to give maximum benefit to the researchers and use of available research infrastructure.

In view of the above, GBRC is being declared and made open as shared laboratory for its intended stakeholders and accordingly following guidelines are declared for the best practices on usage of shared lab infrastructure of GBRC.

The objective of these guidelines is to follow the best practices on usage of shared lab infrastructure of GBRC

1. The facilities will be provided to the researchers working in the Colleges/Universities/Institutions/Industries/Gujarat government supported startups and incubatees/any stakeholder based on the prior request form (Annexure I) or online application and approval from GBRC.
2. The prospective user will need to fill the form in the approved prescribed format of GBRC and submit in minimum 7 working days prior to use the facility for

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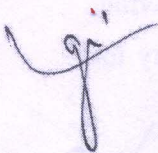
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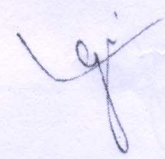
availability of the desired instruments and for on-line scheduling. Pre-booking cannot be more than 30 days in any case. In case there is no response from GBRC within 7 working days, permission shall be considered as granted.

3. The applicant has to pay Rs.500 along with the application as application fee. The application fee will not be refunded; however, it can be adjusted against the payment of GBRC facility usage.
4. After duly approved of the request form by the competent authority, user need to submit the Demand Draft or online transfer of the service charges before availing the respective instruments. The details of the charges for using the shared laboratory facility with and without consumables are available as Annexure II.
5. Payment of fees should be in advance. In case, the fees have been paid but the instruments have not been used user shall be eligible for a re-fund.
6. Mode of payment may be through Demand draft or online RTGS system and not via online wallets or credit/debit cards.
7. On approval from GBRC, the researchers may use the facilities for their research and analysis purpose with a maximum of 15 days in a quarter per project. In any case, for using the facility more than 15 days, permission is required from Secretary, DST.
8. The shared facility will be used during office hours between 10AM to 6PM only. In case of any ongoing in-house research and experimental work being conducted at GBRC, provision will be made to utilize the facility before 10 AM and after 6 PM under supervision of designated employee by Director, GBRC. Facility wise responsibility may be assigned to the employee and list may be put up on website for smooth functioning.
9. Major molecular and analytical platforms/instruments can be used against payment of fees as decided by the GBRC from time to time. Users should have necessary chemicals/consumables for undertaking sample analysis with respect to the specific instrument as provided in the website along with the form. GBRC may facilitate purchase of such chemicals/consumables from its empaneled agencies.
10. Users should clearly mention in the request form alert and request permission from technical staff/scientist before bringing any specific biohazardous chemicals, consumables or materials into the shared laboratory facilities that are

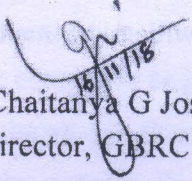


not common stock items for compatibility and suitability for use in the labs/equipment.

11. Researchers need to use the major molecular and analytical Instruments in consultations and supervision of trained Technical and Scientific staff of GBRC to avoid machine errors and maintenance. In-charge of the specific facilities of GBRC staff will not be involved in designing research methodology, analysis and interpretation.
12. GBRC staff will not claim any co-authorship in form of publications/reports/IP generated by using shared facility of GBRC. However, GBRC shall be acknowledged in all the publications and any communications made by the user as "Gujarat Biotechnology Research Centre, Department of Science and Technology, Government of Gujarat".
13. Projects involving radioactive materials, unstable and explosive compounds will not be accepted for research and analysis in the shared facility of GBRC.
14. The analytical and molecular data / spectra will only be used for research / development purposes. These cannot be used for providing certificates in legal disputes.
15. GBRC will not provide and be responsible for the accommodation to the users of shared facility. During the use of shared facility, GBRC will not take any responsibilities or users will not have right for any claim if any accident or incidences happening to the users in the laboratories.
16. GBRC will develop the manuals for safety, security, regulations and any guidelines to be adopted by the users of shared facility and should display on the website.
17. GBRC will not be held responsible in case of any technical failure and subsequently not be responsible for re-fund.
18. GBRC has right to cancel, postpone/re-schedule the requests if need is felt or in case of any unwarranted circumstances.
19. Any income generated, may be used for the purchase of equipment, maintenance and can be part of GBRC fund but the fund cannot be used for research unless recommended by SAC and sanctioned by EC of GBRC.
20. For students, 50% subsidy of the actual cost will be charged to use the facility. However, 1.5 times charge of the actual cost will be borne by the industry stakeholders.

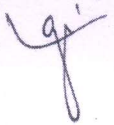


21. GBRC will receive the feedback (Annexure III) from the user after the usage of respective facility. Feedback summary of shared lab usage shall be submitted to Chairman, EC and Secretary, DST on quarterly basis with comments of GBRC on changes/modifications.


(Chaitanya G Joshi)
Director, GBRC

Copy To:

1. Additional Chief Secretary, Finance Department, Sachivalaya, Gandhinagar
2. Principal Secretary, GAD, Sachivalaya, Gandhinagar
3. Principal Secretary (Higher & Technical Education), Education Department, Sachivalaya, Gandhinagar
4. Secretary, Dept. of Science and Technology, Sachivalaya, Gandhinagar
5. The commissioner, Higher and Technical Education
6. Financial Advisor (Dept. of Science and Technology), Sachivalaya, Gandhinagar
7. Mission Director, Gujarat State Biotechnology Mission, Udyog Bhavan, Gandhinagar
8. Director, Savli Technology and Business Incubator, Savli, Vadodara
9. All Institutions under DST, Sachivalaya, Gandhinagar
10. All Universities/Institutions/Colleges of the State
11. Select file of the GBRC



Annexure-I

Application No (By GBRC):

REQUISITION FORM FOR USING SHARED FACILITY of GBRC

Name & Address of the applicant: Name: Organization Address: Correspondence:	Researcher Detail: Prof./Dr./Mr./Mrs. Designation: Title of the Project: Mobile No.: Phone No.: Fax No.: E-mail:
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Duration of using shared facility: From: / / To: / / Total no. of days:

Details of facilities required (Please see annexure I for guidelines and service charge of the instruments)

Sr. no.	Instrument	Purpose	No of Samples	Nature of Samples	From	To
1						
2						
3						
4						

Are you expert in handling the above Instruments YES NO

I hereby certify that the user is a bonafide research scholar/employee of our organization, and the payment of the bills for the charges for analysis of the sample(s) shall be made by:

Researcher
Signature
Name:
Date:

HoD/Co-ordinator/Dean/PI
Signature with Seal
Name:
Date:

*Please send the duly filled request form to gbrclab@gmail.com

Only For GBRC Office Purpose

Date of Receiving : <input type="text"/> / <input type="text"/> / <input type="text"/> Feasibility of undertaking the request <input type="checkbox"/> YES <input type="checkbox"/> NO Slot No. <input type="text"/>	Available Date: <input type="text"/> / <input type="text"/> / <input type="text"/> Decision: <input type="checkbox"/> Approved <input type="checkbox"/> Not Approved
Checked and verified by: Signature with Seal Director/Jt. Director GBRC	

gpi

Annexure-II

Charges for availing facilities without consumables under GBRC

		Charges Approved by Gujarat Biotechnology Research Centre, DST, GoG (in INR)		
Sr. No.	Instruments/facilities	Category I	Category II	Category III
		Students (PhD/Post Docs/SSIP)	Govt. Organization /Institutions/Academics/Govt. supported Incubatee	Industries
1.	NGS (ION S5 Semiconductor Sequencer)	1000/run	1500/run	2000/run
2.	NGS Ion Proton	1000/run	1500/run	2000/run
3.	NGS ION PGM	1000/run	1500/run	2000/run
4.	Capillary ABI 3500xl Sequencer (24 capillary)	500/run	1000/run	1500/run
5.	Speed Vac-Concentrator	500/hr	1000/hr	1500/hr
6.	Real time PCR machine	500/run	1000/run	1500/run
7.	PCR+ Gel Doc	100/run	150/run	200/run
8.	Nanodrop + Qubit	10/sample	15/sample	20/sample
9.	Lyophilizer	1000/day	1500/day	2000/day
10.	GC-MS (Clarus 680 /Clarus SQ8C with column C18)	1800/injection upto 10 peaks (50/- peak addition)	2500/injection upto 10 peaks (50/- peak addition)	3500/injection upto 10 peaks (50/- peak addition)
11.	Param Shavak Server for Bioinformatics (with CLC Genomics and MATLAB)	10/hr	10/hr	15/hr

Charges for availing facilities with consumables under GBRC

Instrument/ Facility	Actual Cost (in INR)	Category I (Discount 50%)	Category- II (Actual Cost)	Category III (1.5x more)
		Students (PhD/Post Docs/SSIP) (in INR)	Govt. Organization/ Institutions /Academics/Incubatee (in INR)	Industries (in INR)
Library preparation				
i) PGM 316v2 chip	8,500.00	4,250.00	8,500.00	12,750.00
ii) PGM 318v2 chip	8,500.00	4,250.00	8,500.00	12,750.00
iii) Proton v3	8,500.00	4,250.00	8,500.00	12,750.00
iv) S5 chip 520	8,500.00	4,250.00	8,500.00	12,750.00
v) S5 chip 530	8,500.00	4,250.00	8,500.00	12,750.00

Signature

vi) S5 chip 540	8,500.00	4,250.00	8,500.00	12,750.00
Sequencing cost, OT2				
i) PGM 316v2 chip	20,000.00	10,000.00	20,000.00	30,000.00
ii) PGM 318v2 chip	20,000.00	10,000.00	20,000.00	30,000.00
iii) Proton v3	20,000.00	10,000.00	20,000.00	30,000.00
iv) S5 chip 520	63,000.00	31,500.00	63,000.00	94,500.00
v) S5 chip 530	63,000.00	31,500.00	63,000.00	94,500.00
vi) S5 chip 540	58,000.00	29,000.00	58,000.00	87,000.00
Chip + sequencing chemistry				
i) PGM 316v2 chip	42,000.00	21,000.00	42,000.00	63,000.00
ii) PGM 318v2 chip	62,000.00	31,000.00	62,000.00	93,000.00
iii) Proton v3	87,000.00	43,500.00	87,000.00	1,30,500.00
iv) S5 chip 520	35,000.00	17,500.00	35,000.00	52,500.00
v) S5 chip 530	51,000.00	25,500.00	51,000.00	76,500.00
vi) S5 chip 540	62,000.00	31,000.00	62,000.00	93,000.00
Capillary sequencing				
i) 1-4 samples (3130)	6,000.00	3,000.00	6,000.00	9,000.00
ii) 5-8 samples (3130)	12,000.00	6,000.00	12,000.00	18,000.00
iii) 9-12 samples (3130)	18,000.00	9,000.00	18,000.00	27,000.00
iv) 1-24 samples 3500 xl	36,000.00	18,000.00	36,000.00	54,000.00
v) 25-48 samples 3500xl	72,000.00	36,000.00	72,000.00	1,08,000.00
vi) 49-72 samples 3500 xl	1,08,000.00	54,000.00	1,08,000.00	1,62,000.00
vii) 73-96 samples 3500xl	1,44,000.00	72,000.00	1,44,000.00	2,16,000.00
Real time PCR				
i) Syber Green	500.00	250.00	500.00	750.00
ii) Taqman(without probe)	700.00	350.00	700.00	1,050.00
PCR with gel doc	500.00	250.00	500.00	750.00
Nanodrop with qubit	100.00	50.00	100.00	150.00
Speed Vac Concentrator	500.00/	500.00	500.00/	1,500.00
Lyophilizer	2,000.00/day	1,000.00/day	2,000.00/day	3,000.00/day
GC-MS-MS (Clarus 680 /Clarus SQ8C-with column C18)	4,000.00/hr	2,000.00/injection upto 10 peaks (50/- peak addition)	4,000.00/injection upto 10 peaks (50/- peak addition)	6,000.00/injection upto 10 peaks (50/- peak addition)
Param Shavak Server for Bioinformatics (with CLC Genomics and MATLAB)	10.00/hr	5.00/hr	10.00/hr	15.00

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Annexure-III

Feedback Form

Name: _____

Mobile: _____

Email: _____

Organization: _____

Instruments Used: _____

Feedback:

Date

Signature

