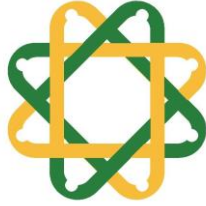




सत्यमेव जयते

Government of Maharashtra

**INSTITUTIONAL DEVELOPMENT PLAN
OF
DR. HOMI BHABHA STATE UNIVERSITY,
MUMBAI**



HBSU

Dr. Homi Bhabha State University

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Contents

Section 1: Preamble	5
A. Introduction	5
B. Proposed Name of The University	6
C. Name of the Lead College	6
D. Justification of Clustering	6
E. Details of the Participating Colleges	8
SWOT Analysis of Participating Colleges into a University	9
Section 2: Vision and Mission	15
A. Vision of The Proposed University	15
B. Mission of the Proposed University	15
Section 3: Land Details	16
Current Land Availability (Participating College Wise)	16
A. Land ownership and other details for existing land	17
B. Additional Land Requirement	18
C. Existing Buildings in Proposed Campus:	18
D. Renovation/Modernization of existing buildings proposed:	19
E. New Buildings Proposed: (For Justification and estimate details refer Appendix E)	19
F. Equipment	19
Section 4: University Act and Jurisdiction	21
Section 5: Details of Governance Structure of University	23
B. Organizational Structure and Chart for Day to Day Operations and Management	24
a. Existing	24
b. Proposed	24
C. Role and Responsibilities of Key Senior Positions	25
D. Details of Internal Governance Structure	25
(1) Academic Council	25
(2) Board of Studies	26
(3) Research Council.....	26
(4) Finance Committee	26
(5) Others	26
E. Time-line to Enact Legislation for the New University	27
Section 6: Academic and Administrative Details	28
Academic Divisions and Programmes	28

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

(a) Details of Existing Programs/Courses at UG/PG/PG+ Levels	28
(b) Details of the Proposed Academic Departments/Centers/Schools	29
(c) Enrollment (Existing (E) and Proposed (P)) In Each Program/ Course At The UG/PG/PG+ Levels In The Next 5 Years.....	31
A. Admission Policy for the Proposed University	33
1. Eligibility Criteria	33
2. Mode of Selection	34
3. Reservations	35
4. Percentage (%) of hostel seats reserved for Socially and Economically weaker sections.	35
5. Scholarships and Stipends including fee concession etc. proposed	35
B. Details of Teaching Staff	35
(a) Student Teacher Ratio (Existing (E) and Proposed (P))	35
(b) Teaching Staff Positions Sanctioned – Professors/ Associate Professors/ Asst. Professor Wise and Department Wise, College Wise.	36
(c) Positions Filled with Regular Incumbents - Professors/ Associate Professors/ Asst. Professor Wise and Department Wise, College Wise (Please refer above Table)	37
(d) Additional posts to be created to achieve ideal Students Teacher Ratio and Manage the Proposed Academic Departments / Centers/ Schools	37
(e) Recruitment Strategy and Commitment to employ Teachers on Regular Basis:	37
C. Details of Non-Teaching Staff	38
(a) Non - Teaching Staff Positions Sanctioned: Category Wise And College Wise.....	38
(b) Positions Filled With Regular Incumbents: Category Wise and College Wise	39
(c) Teaching : Non-Teaching Staff Ratio (Existing – Proposed)	39
(d) Additional Posts to be created to achieve ideal teaching : Non-Teaching Staff Ratio	39
D. Proposed Outcomes	40
1. Better Employability	40
2. Quality Gains	41
3. Better Research Yields	42
4. Output in terms of Access, Excellence and Equity.....	42
Section 7: Physical & Financial Details of Proposed University	43
A. Physical Estimates for Civil Works(Including Equipment, Fixtures and Furniture)	43
B. Financial Estimates for Construction Works(Including Equipment, Fixtures and Furniture)	44
C. Summary of Financial Estimate (Figures are in Lakhs).....	45
Section 8: Conversion Plan for conversion of colleges into Cluster University	54
A. Timeline for Physical Infrastructure Development	54

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

B. Timeline for Academic and Administrative Action	55
Section 9: Overall Action Plan for Implementation with Timelines	55

Section 10:

Commitments.....	56
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Sr. No.	Annexure	Page No.
1.	Existing Land and Infrastructure Documents	58
2.	Block Estimates of proposed Renovation/Upgradation work	79
3.	Block Estimates for new proposed building (Administrative Area and common facilities)	97
4.	List of Equipments Proposed	100
5.	Details of proposed Virtual Classrooms, Central Library and Hostels	112
6.	Hostel Declaration	123

Section 1: Preamble

A. Introduction

Mumbai is the financial capital of India and attracts manpower from all over the nation and abroad. This city is called as the city of dreams. Under colonial rule the citizens of Mumbai dreamt for a better India and to realize the dream they contributed heavily by starting the academic institutions like **The Institute of Science, Elphinstone college, Sydenham college** and the **Secondary Training college**. All these Institutions have laid the corner stone of higher education in diverse fields of Science, Humanities and Education. The legacy of these institutions is evident by pioneer contribution of world repute scientists, industrialists, Artists and academicians as well as their global recognition.

All these institutions are at present affiliated to University of Mumbai and follow the curricular and administrative framework governed by University of Mumbai. University of Mumbai has developed into a behemoth with time by continuous addition of affiliated colleges and institutions. The brand name University of Mumbai recognized world over as a 'University of Repute' has contributed to this addition. The administrative and academic set up demanded by this huge responsibility has forced the university to contribute out of two campuses located at addition distance of around 20 kilometers from each other, sub-centers like Ratnagiri and Thane are alleviating the job up to a limit. Many proposals were mooted to fragment the university into two or three smaller universities but are yet to realize.

The huge size of the university has resulted in many difficulties in working and administration. Managing the quality of academics, research and innovation went on back foot. The examinations delay and many guffaws are proofs of the difficulties; the university is facing due to its size.

Many imminent institutions have sought autonomy to manage for themselves. The Institute of Science, Elphinstone College, Sydenham College and Secondary Training College are rendering their services to the society in the academic field for more than \$75\$ years. These institutions have acquired a Premium brand status and deserve to get the academic and administrative freedom to utilize their potential fully in the task of nation building by imparting quality instructions and carrying out quality research. If these institutions are

allowed to set up their own quality criteria, they are expected to reach new heights in India as well as in the world.

B. Proposed Name of The University

The proposed name of the University is *Dr. Homi Bhabha University, Mumbai*

C. Name of the Lead College

Name of The Lead College is *The Institute of Science, Mumbai*

D. Justification of Clustering

Clustering is about the interaction of businesses of a similar type, healthy competition, networking and collaboration between them. Cluster theory emphasizes the role of networks and relationships between the various parts of a cluster but not of individual firms, and also fits with models of innovation and competitiveness. The benefits of clustering for the development of individual institution and for improving the competitiveness of education sector cannot be underestimated.

The Institute of Science and other component colleges of this proposed cluster university are pioneers in Education and Research, not only in Maharashtra but also in India and abroad. Their vast experience in their respective fields and the available infrastructure provides a great opportunity of formation of a university by pulling all their resources in the form of infrastructure and manpower. The selected five institutions are from the diverse fields of academics. The Institute of Science has been established in 1920 to impart science education to Mumbai province. The Elphinstone College and the Sydenham College are started in 1856 and 1913 respectively to impart college education to the Mumbai people in the fields of humanities, social science, commerce, economics and science. The Secondary Training College is also a historical institution imparting teacher training since 1906. All these institutions have contributed substantially for the development of India by pioneering the college education and teaching in humanities, social science, commerce, economics and science. All these institutions also carry great legacy of research and innovations in their fields of specializations. The infrastructure of these institutions has been and being optimized year by year towards excellence.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

These institutions are affiliated to University of Mumbai, Mumbai for a very long period and contributed immensely in the development and functioning of University of Mumbai, Mumbai. Because of this we have accumulated substantial experience in university level administrative and academic functions.

University of Mumbai, Mumbai managing more than 700 affiliated colleges, is facing many problems in administration. These problems surface in academic functioning such as syllabus design, examination process and in management such as granting permission to new departments and courses. The Cluster University with manageable enrollment and staff strength will obviate some of the problems associated with being affiliated to University of Mumbai.

The Institute of Science, the lead institute, has been in research consistently at par with the other universities. Its h-index is \$39\$ which is close to that of well-established and endowed University of Mumbai, University of Pune and many other state and central universities.

The cluster university is expected to improve the standard of higher education in the Mumbai region. Once the cluster university is formed, we can improve the number and qualities of courses offered and thereby attract more talents to higher education.

If given freedom in its academic and administrative functions, this cluster university will be the leader university in the field of Science, Humanities and Commerce.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

E. Details of the Participating Colleges

Sr. No	Participating College	Complete Address	Year of Est.	Whether Govt./ Govt. Aided	Distance from Lead College (in kms.)	Accreditation Status	CPE Status
1.	The Institute of Science, Mumbai	15, Madam Cama Road, Mumbai, Maharashtra 400032	1920	Govt.	0 km	A (2014) CGPA 3.05	CPE since 2006
2.	Elphinstone College	156, MG Road Fort Mumbai Maharashtra 400032	1856	Govt.	0 km	A (2016) CGPA 3.05	No
3.	Sydenham College of Commerce and Economics	B Road, Churchgate Mumbai Maharashtra 400020	1913	Govt.	1 km	A (2017) CGPA 3.42	No
4.	Secondary Training College (B.Ed.)	3, Mahapalika Marg, Dhobi Talao, Mumbai Maharashtra 400001	1906	Govt.	2 km	A (2015) CGPA 3.23	No

SWOT Analysis of Participating Colleges into a University

Strengths

All the Constituent colleges and the lead institution of the proposed cluster university are Government owned organizations but conducting variety of academic courses in diverse fields of academic discipline independently. The appointment of permanent faculty in the lead institute as well as in the component colleges is through Maharashtra Public Service Commission (MPSC) and therefore quality faculty members are appointed. The parameters of strength under SWOT analysis are discussed individually considering their existing potentialities.

The Institute of Science

Institute of Science is the only Post graduate institution in Mumbai that offers full time M.Sc. program by papers and by research in basic and applied sciences like Biochemistry, Biotechnology, Botany, Chemistry, Environmental Science, Mathematics, Microbiology, Physics and Zoology. Most of the Post Graduate departments at the Institute of Science exist even before the establishment of the respective departments at the University of Mumbai.

All departments at the Institute of Science have separate M.Sc. and Ph.D. laboratories, which are well equipped with sophisticated instruments to carry out research activities at advanced level. To mention a few- Scanning Electron Microscope, XRD, HPTLC, Photo luminescence Spectrophotometer, RT-PCR, Confocal Microscope etc. The Institute has been recognized as **College with potential for excellence** by UGC since 2006.

The Institute of Science receives grants from Government of Maharashtra under different schemes such as DPDC and Plan Grant from different funding agencies like, UGC, DBT, DST, RGSTC and other funding agencies. Department of Physics is in receipt of grant of Rs.195 lakhs from DST under FIST scheme for the period 2013 - 2018.

Besides departmental libraries, Institute of Science maintains a central library, which has about 26000 books and 23000 bound volumes of scientific journals. The Institute subscribes INFLIBNET-N list which makes available 7500 e-books and 3000 e-journals in full text format. The library provides physical access to students and researchers from other

institutes. The Institute is the member of National Knowledge Network of Government of India and is in receipt of dedicated 100 mbps leased line through which institute can propose to access the resources from the national laboratories.

Department of Botany, Institute of Science maintains a Botanical garden, which is indexed in the list of Royal Botanical garden. The garden houses Endangered and rare plants. A herbarium is also maintained by the Department that contains 5000 herbarium sheets, some of them dating back to 1865.

Virtual classroom facility connecting to network of other Government Institutes at Aurangabad and Nagpur is available.

Present **h-index** of the Institute is **39**.

Elphinstone College

Elphinstone College occupies a unique position in the annals of education in the country. It is one of the rarest institutions, established in 1856 even before the establishment of University of Mumbai (1857). Elphinstone College has been consistently ranked among the top ten Institutions of higher learning each year by India Today magazine.

The list of alumni nurtured by the College testifies the commitment of the College towards excellence in the field of higher education. *Elphinstonian Society*, the alumni association of the College plays a supportive role for the development of college in variety of ways.

Music library is an interesting and an innovative step taken by Elphinstone College. The library contains rich and varied collection covering classics, contemporary artists with westerns and regional music. It serves as a meditative place as there is a special section for spa and meditation music that helps for relaxation.

Elphinstone Film Society has a huge collection of films from world cinema, directors collections, auteur, war films, classics, moderns, westerns, comedies, literary adaptations, regional cinema and documentaries to name a few. The College has recently made these libraries open to public.

College has developed a central research facility for the faculty members. This laboratory includes sophisticated instruments worth over crore rupees, like: Flash Chromatography, HPLC, HPTLC, PCR. Etc.

Considering the trend of obesity among the young, and sedentary life style causing inadequate exercise among the grown-ups, the College has introduced Fitness Centre for students and staff, including the non-teaching staff. The Centre is visited by a professional trainer to ensure optimum usage of the state of the art equipment.

Sydenham College

Sydenham is a unique educational institution for the reason that it has been the first college offering commerce courses in India and also because it remained the sole institute to do so for a long time. The reputation of the College as the finest institution for commerce education soon crossed the confines of the country and students from Africa, South-East Asia and the Middle East started queuing up for admission. The institution was fortunate to avail the knowledge and expertise of British and Indian scholars, industrialists, bankers and accountants of repute, who have been on its faculty right from the beginning.

Sydenham is among the few educational institutions of the country that can boast of as many as 25 Societies/Associations that are primarily managed by the students with the necessary guidance offered by the teachers. These Societies/ Associations conduct various extracurricular and co-curricular activities that prove instrumental in shaping up the overall personality of students. Such a holistic educational environment helps the students sharpen all their faculties along with the scholastic one.

Secondary Training College

The Secondary Training College, Mumbai is the Premier Teacher Training College. The college was established in January 1906 as per the recommendations of Wood's Dispatch of 1854 in the Bombay Presidency and strong steps taken by Hon. Viceroy Lord Curzon. The college is the pioneer in evolving teacher training methodology & new techniques of teaching in then Bombay Presidency and at present in Maharashtra State.

Previously the college enjoyed autonomous status and used to award its own diploma the Secondary Training College Diploma (S.T.C.D.) which was supposed to be very

prestigious one in those days. At present the college is run by Directorate of Higher Education Pune under the leadership of Department of Higher Education Mantralaya, Mumbai.

Weakness

All the Constituent colleges and the lead institution of the proposed cluster university are Government owned organizations. However, they have some common objectives in context to weakness, opportunities and threats. Therefore all these parameters of SWOT analysis are discussed in common.

Several teaching and non-teaching posts are vacant. Some of the departments have to rely heavily on contributory staff that may or may not have desired qualifications for permanent posts that affect the academic and administrative quality. Unaided departments have to depend on temporary staff. Sufficient research activities could not be initiated in these departments due to lack of permanent faculty members.

Being Government Institutions, appointment of permanent faculty and non-teaching staff takes comparatively longer time. Transfer of teaching faculty from one Government Institution to another located in Maharashtra destabilizes the research work; as a result research students are unable to have one to one interaction with their guides. Further research projects also have to be shifted with the faculty, which is a tedious process and at times a PG recognized teacher and Ph.D. supervisor is made to teach only UG classes.

At present many post of technical staff like gardener, technical assistants, instrument operators, workshop operators and laboratory assistants are surrendered under Government plan. Due to lack of such posts smooth functioning is hindered.

Being the affiliated institutes, The Institute and the constituent colleges have to work within the frame work of rules and regulations laid down by the University of Mumbai due to lack of autonomy. Since the colleges and the institutes are housed in a heritage building, there is little scope for modifications in infrastructure.

Though the locations of institutions to be clustered are in the heart of the business district of Mumbai appears to be advantageous in the context of accessibility, but the Colleges/Institutes suffer from acute space crunch and noise pollution.

Opportunities

The legacy, experience and expertise of the faculty can be utilized by commercial organizations, industrial sector and scientific institutions. The intensive research activities with novel aspects may lead to generate maximum opportunities for patent filing in material science, information technology and life sciences.

The proposed cluster university will provide opportunities for effective implementation of choice based credit system.

Being manageable and limited student strength array of diverse courses with transferable credits from the fields of Science, Humanities, Law and education can be offered.

The limited number of students will make implementation of advanced examination reforms like diagnostic, formative and summative evaluations which will offer opportunities for continuous improvement in knowledge expanse and depth.

The implementation of transferable credits will allow students to acquire skills from the areas of their interests and requirements to strengthen their employability and entrepreneurial skills.

Students will have opportunities to work and interact with scientist across the country to hone their skills at par with international standards.

Being a component of university, the institute and component colleges will have enhanced opportunities for extramural funds generally offered to universities.

In the era of internet and e-learning, the space constraint can be easily overcome, and the College/Institute has put this opportunity to use by introducing on-line courses.

Threats

The general trend of the students towards the basic science courses is decreasing as compared to professional and applied courses.

Out dated instructional, curricular and examination system is driving away the talent from the basic science and humanity courses.

Establishment of Foreign Universities in India poses another challenge. This might, at least initially, take away good students and also faculty by offering better opportunities.

Section 2: Vision and Mission

A. Vision of The Proposed University

To provide skill based, job oriented, world class education to all the stake holders (student, teachers, management, and administrators) and make education relevant and utilize human resources with equity and access to all.

B. Mission of the Proposed University

Following are the Mission and broad objectives of the Proposed University and how it aligns with the Objectives of the component Colleges:

- (1) To provide opportunities and access of Higher education to all the categories of society.
- (2) To strengthen the frontiers of knowledge by enhancing research, innovations and encourage institutions in public private partnership.
- (3) To support Indian Economical agenda by creating job ready and employable work force.
- (4) To promote Institutional autonomy, academic freedom and more responsibility on the part of educational institutions.
- (5) To enhance GER.
- (6) To introduce CBCS for vertical and horizontal movement of students and teachers.
- (7) To enhance the quality of higher education through investing in infrastructure, faculty and promoting academic and administrative reforms.

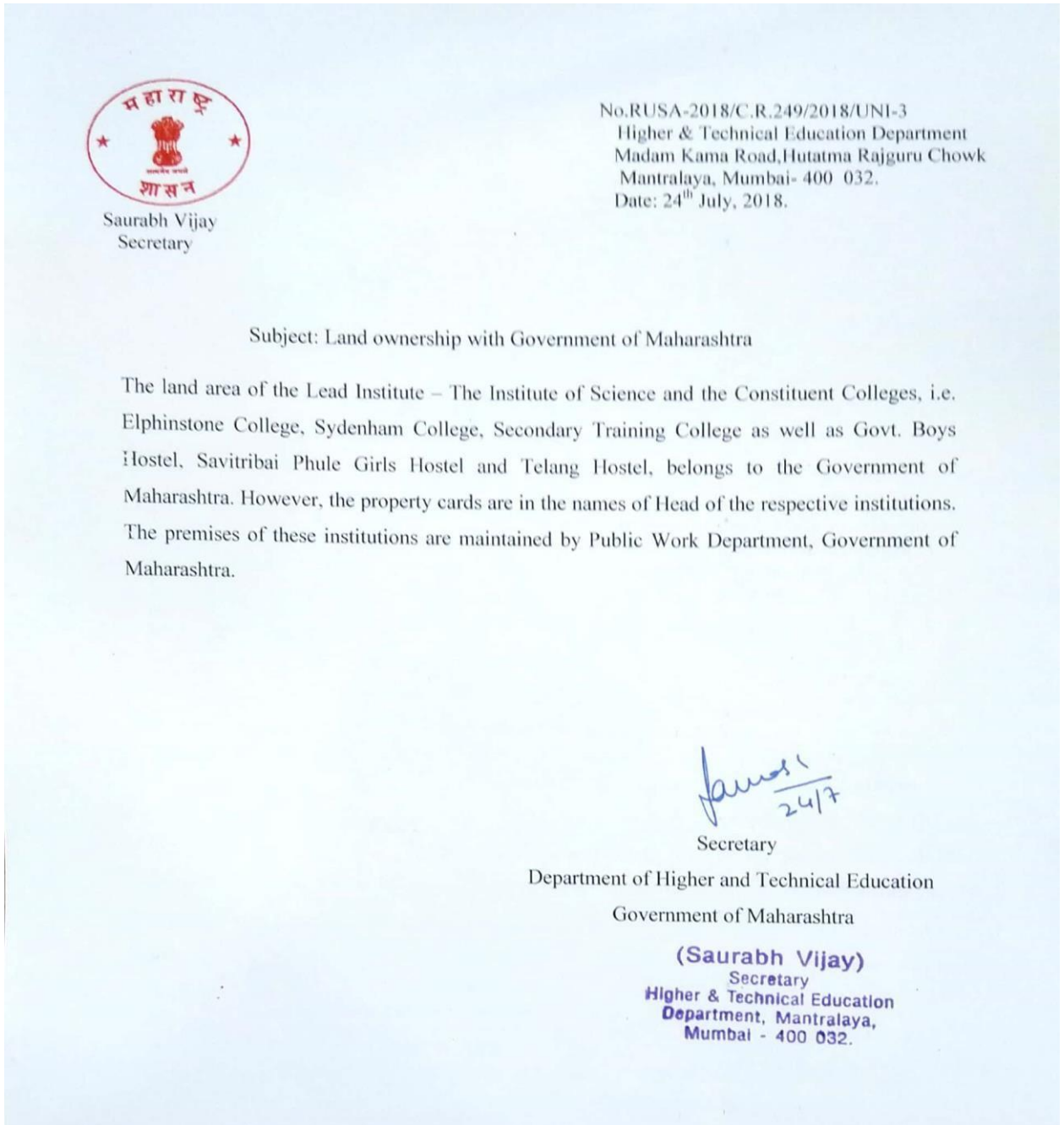
Section 3: Land Details

Current Land Availability (Participating College Wise)

Sr. No	College Name	Existing Land (in Acres)	Additional Land Required (in Acres)	Total (in Acres)
1.	The Institute of Science	4.43	--	4.43
2.	Elphinstone College	1.93	--	1.93
3.	Sydenham College	2.04	--	2.04
4.	Secondary Training College	3.80	--	3.80
5.	Govt. Boys Hostel	2.24	--	2.24
6.	Savitridevi Phule Mahila Chatralaya	0.73	--	0.73
7.	Telang Smarak Girls Hostel	0.37	--	0.37
Total		15.54	--	15.54

A. Land ownership and other details for existing land

Given below is the Declaration Letter for the confirmation of land ownership of Govt. of Maharashtra



Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

The land documents and maps of the respective institutes are given as below in Annexure 1

1. Existing Land and Building Document of Institute of Science
2. Map of Existing Buildings of Institute of Science
3. Existing Land and Building Document of Elphinstone College
4. Map of Existing Buildings of Elphinstone College
5. Existing Land and Building Document of Sydenham College (includes Govt. Boys Hostel and Telang Hostel)
6. Map of Existing Buildings of Sydenham College
7. Existing Land and Building Document of Secondary Training College
8. Map of Existing Buildings of Secondary Training College
9. Government Resolution for Govt. Boys Hostel, Telang Hostel and Savitribai Phule Girls Hostel
10. Map of Existing Buildings of Govt. Boys Hostel
11. Map of Existing Buildings of Telang Hostel
12. Map of Existing Buildings of Savitribai Phule Girls Hostel

B. Additional Land Requirement

The additional land requirement for the proposed cluster university is NIL

C. Existing Buildings in Proposed Campus:

Sr. No.	Description of Building	Location (Name of College)	Total Area (in sq.m.)	Remarks
1.	Main Building	Institute of Science	93526.57	Heritage Building
	East Building	Institute of Science	1964.16	Heritage Building
	Nuclear Building	Institute of Science	2793.98	
	With Forensic Sc.	Institute of Science	1559.81	Heritage Building
	Canteen	Institute of Science	246.31	
2.	Main Building	Elphinstone College	13440.00	Heritage Building
	Physics Dept	Elphinstone College	603.48	Heritage Building
	NCC Building	Elphinstone College	624.60	Heritage Building
3.	Main Building	Sydenham College	9260.00	

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

4.	Elphinstone Technical High School Building East Wing	Secondary Training College	1291.16	Heritage Building
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D. Renovation/Modernization of existing buildings proposed:

Sr. No.	Description of Building	Location (Name of College)	Renovation/ Modernization Proposed	Proposed Area (in sq.m.)	Proposed Cost	
					Rate per sq.m.	Total Cost (in Lakhs)
1.	Institute of Science	ISc	Ren/Mod	1487.16	20400	300
2.	Elphinstone College	EC	Ren/Mod	1146.84	33371	380
3.	Sydenham College	SC	Ren/Mod	1092.47	18240	200
4.	Secondary Training College	STC	Ren/Mod	1092.47	18240	28
total						908

The Block Estimates of the above given Renovation/ Up gradation of existing institutions is given in Annexure 2.

E. New Buildings Proposed

Sr. No.	Description of Building	Location (Name of College)	Proposed Area (in sq.m.)	Total Area (in sq.m.)	Purpose	Justification
1.	Student Gymkhana, Canteen, Administration	Institute of Science	2187.00	2187.00	Administration, Gymkhana, Canteen	

Block Estimates of the new building proposed are given in the Annexure 3.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

F. Equipment

Sr. No.	Name of the Institute/College	Qty	Cost per unit (in Lakhs)	Total Cost (in Lakhs)	Justification
1.	Institute of Science	-	1722	1722	The outcome of establishing these facilities is expected to be reflected in advanced level research and innovation, training and developing expertise in different discipline of basic sciences. The benefit of which can be provided to the industrial and social level for value based research and its recognition.
2.	Elphinstone College	-	400	400	
3.	Sydenham College	-	595	595	
4.	Secondary Training College	-	-	-	
Total (Figures in Lakhs)			2717	2717	

Detailed list of proposed equipments is given in Annexure 4

Section 4: University Act and Jurisdiction



A. Timeline to enact the legislation for the new University

Based on the provision of Maharashtra Public University Act – 2016, under the authority vested with the government through Section 3 (6) of the Maharashtra Public University Act, 2016 which says that the state government may, by notification in the official gazette constitute a cluster university comprising of cluster high performing autonomous colleges or institutions of University, the notification to be issued constituting the Dr. Homi Bhabha University, Mumbai with the following constituent college.

1. Institute of Science, Mumbai, Lead College
2. Elphinstone College, Constituent College
3. Sydenham College, Constituent College
4. Secondary Training College (B.Ed Govt.), Constituent College

B. Jurisdiction of the University

For under-graduating students, the criteria will be as per the recognized central / state Board (10 + 2) pattern. For post graduate and other courses, the enrollment will be as per the UGC norms.

C. Adherence to provisions of State Public Universities Act or commit to new act (if separate acts guides the functions of institutions)

The university will adhere to the provision of Maharashtra Public University Act – 2016

Saurabh Vijay
24/7/2018

(Saurabh Vijay)
Secretary
Higher & Technical Education
Department, Mantralaya,
Mumbai - 400 032.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai



Saurabh Vijay
Secretary

No.RUSA-2018/C.R.249/2018/UNI-3
Higher & Technical Education Department
Madam Kama Road, Hutatma Rajguru Chowk
Mantralaya, Mumbai- 400 032.
Date: 24th July, 2018.

Subject: Executing Agency is Public Works Department, Govt. of Maharashtra

All the civil works related to the construction, renovation, modernization and maintenance of proposed Dr. Homi Bhabha University, Mumbai will be undertaken by Public Work Department, Government of Maharashtra.

Secretary

Department of Higher and Technical Education
Government of Maharashtra

(Saurabh Vijay)
Secretary
Higher & Technical Education
Department, Mantralaya,
Mumbai - 400 032.

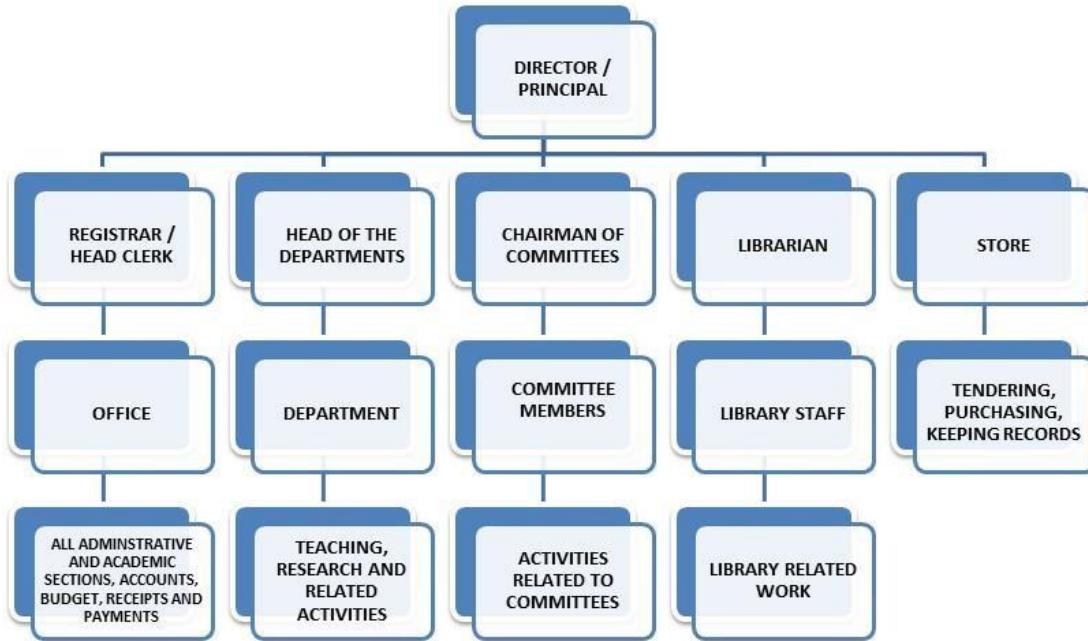
Section 5: Details of Governance Structure of University

A. Proposed Board of Governors

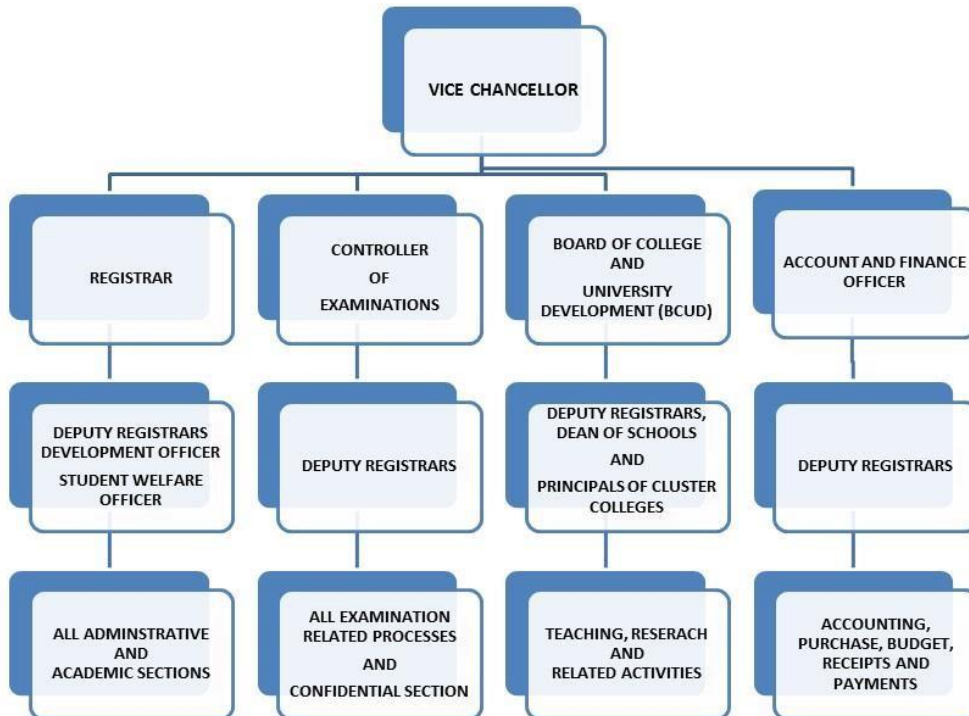
- (1) Vice Chancellor - Chairperson
- (2) Registrar - Member secretary
- (3) External Expert - noted academician and alumni
- (4) Industrialist
- (5) Nominees from ICT, IITB, TIFR and Mumbai University
- (6) Chairperson, BCUD of the cluster University
- (7) Principal of four participating institutes
- (8) Controller of Examinations
- (9) Account and Finance Officer
- (10) RUSA Coordinator
- (11) Dean of all Schools
- (12) IQAC Coordinator
- (13)] State Government Nominee.

B. Organizational Structure and Chart for Day to Day Operations and Management

a. Existing



b. Proposed



C. Role and Responsibilities of Key Senior Positions

- (1) Vice-Chancellor- Executive Head.
- (2) Registrar - Administrative Head.
- (3) Controller of Exams.- Examination related affairs.
- (4) Finance Officer - Accounts, purchase, payments, budget etc.
- (5) Chairperson of BCUD - Admission, governance of Academic (UG/PG/PG+) affairs.
- (6) Students welfare officer - student related affairs, training and career Guidance.
- (7) Development officer - All procurements, Buildings, renovations.
- (8) Dean of Schools - Courses, Research activity, new curriculum development.
- (9) IQAC Coordinator - quality assurance in academic and research, academic audit.
- (10) RUSA Coordinator - All UGC related affairs, Liaison with all stakeholders.
- (11) Principal of Cluster college - Administrative head of the Participating college.

D. Details of Internal Governance Structure

(1) Academic Council

- (a) Vice-Chancellor- Chairperson
- (b) All HOD PG departments
- (c) State Govt. Nominee
- (d) Nominee from ICT, Mumbai University, IITB, TIFR, BARC, AICTE, NCTE, NCA, SEBI, FICCI, IMC.
- (e) Academician and Alumni of the College(s)
- (f) Registrar - member Secretary
- (g) UGC nominee
- (h) State Project Directorate (RUSA) nominee.

(2) Board of Studies

- (a) Dean of School - Chairperson.
- (b) Head of PG Department.
- (c) Nominated/Selected members of faculty in respective subjects.
- (d) External subject Experts (from Other University/Research Institutions)
- (e) Alumni of the college/Institute
- (f) Government/Industry/Professional bodies nominee.

(3) Research Council

- (a) Dean of Schools (ALL)
- (b) Head of the Departments
- (c) (c) Senior faculty in concern subject.
- (d) BOS Chairperson in concerned subject.
- (e) Prof.in Charge of UGC affairs
- (f) External subject Experts (from Other University/Research Institutions)

(4) Finance Committee

- (a) Vice-Chancellor - Chairperson
- (b) Finance and Account Officer
- (c) Development officer
- (d) Chartered Accountant of the locality
- (e) Prof.In Charge of UGC affairs
- (f) Dean of schools

(5) Others

- (1) Special Committee for Society out Reach: Special Committee will be constituted with representation from four different areas of society viz.:

(a) Agriculture

(b) Industries

(c) Media

(d) Culture

E. Time-line to Enact Legislation for the New University

Time-line to enact Legislation for the New University: Please refer Page No. 57

Section 6: Academic and Administrative Details

A. Academic Divisions and Programmes

(a) Details of Existing Programs/Courses at UG/PG/PG+ Levels

	Lead College	Cluster College 1	Cluster College 2	Cluster College 3
	The Institute of Science, Mumbai	Elphinstone College	Sydenham College	Secondary Training College
UG	NIL	B.A. B.Sc. B.Com. B.Sc.(IT) (Self financed) B.Sc. (Self financed)	B.Com. B.B.I. B.M.S. Foreign Trade NCCMP Ph.D.	B.Ed.
PG	M.Sc. (By Papers) M.Sc. (By Research)	NIL	M.Com.	NIL
PG+	Ph.D.	NIL	Ph.D.	NIL

(b) Details of the Proposed Academic Departments/Centers/Schools

Proposed Departments

(i) The Institute of Science

- Molecular Biology(PG)
- Applied Sciences(PG)
- Computer Science(PG)

(ii) Elphinstone College

- Chemistry(PG)
- Botany(PG)
- Microbiology(PG)
- Physics(PG)
- Zoology(PG)
- Statistics(PG)
- Mathematics(PG)
- Biotechnology(PG)
- IT (PG)
- Electronics (PG)
- Computer Science (PG)
- English (PG)
- Marathi(PG)
- Hindi (PG)
- Mass Communication(PG)
- Sanskrit(PG)
- Foreign Language(PG)
- Economics(PG)
- Geography(PG)
- Sociology(PG)
- Political Science(PG)
- Psychology (PG)
- Library Science
- Management Studies
- Yoga and Health Care
- Commerce
- Management Studies

(iii) Sydenham College

- Economics
- Mass Media
- Travels and Tourism
- Event Management
- Performing Arts

(iv) State Training College

- M.Ed. Course
- ○ Ph.D. course

Proposed Schools

Following schools will be established and all the existing and proposed departments will be brought under these schools:

- School of Science
- School of Chemical Sciences
- School of Commerce and Management Sciences
- School of Computational Sciences
- School of Earth Sciences
- School of Education
- School of Fine and Performing Arts
- School of Languages & Literature
- School of Life Sciences
- School of Mathematical Sciences
- School of Media Studies
- School of Physical Sciences
- School of Social Sciences
- School of Interdisciplinary Studies
- School of Library and Information Science
- School of Health and Nutrition □ School of Economics.
- School of Sports and Physical Education

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

(c) Enrollment (Existing (E) and Proposed (P)) In Each Program/ Course At The UG/PG/PG+ Levels In The Next 5 Years

	Lead Institute		Cluster College 1		Cluster College 2		Cluster College 3	
	The Institute of Science, Mumbai		Elphinstone College		Sydenham College		State Training College	
	E	P	E	P	E	P	E	P
UG	NIL	NIL	B.A/B.Sc. /B.Com./ B.Sc(IT)/ Biotech 1725	B.A/B.Sc. /B.Com./ B.Sc(IT)/ Biotech 2220+780 = 3000	B.Com 2350	NIL	B.Ed. 50	NIL
PG	554	610	NIL	Arts(480) Com(120) Sci(200) = 800	480	NIL	NIL	50
PG+ Ph.D	298	300	NIL	100	NIL	NIL	NIL	20

(d) Allocation of Hostel Facility

Hostel Accommodation Facilities

With reference to the Government of Maharashtra GR, GR/Hostel/1314/F-177/M.Shi.2 dated 23/05/2016, the number of seats allotted for Lead Institute and constituent colleges are as follows:

Sr. No	Name of the Hostel	Capacity of Accommodation	Institute of Science	Elphinstone College	Sydenham College	Secondary Training College	Total Allotted Seats for Constituent colleges
1	Government Boy's hostel	360	20	50	110	--	180
2	Telang Hostel	250	--	50	--	05	55
3	Savitribai Phule Hostel	450	50	--	75	--	125
Total :		1060	70	100	185	05	360



[Handwritten Signature]

DIRECTOR

Director
The Institute of Science
15, Madam Cama Road
Mumbai 400 032

B. Admission Policy for the Proposed University

1. Eligibility Criteria

- **For Graduate Courses: (B.A/B.Com/B.Sc.)**

A candidate for being eligible for admission to the three year degree course leading to the Bachelor of Arts/Commerce/Science must have passed the Higher Secondary School Certificate (Std. XII) examination conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education. OR Any equivalent board recognized by state or central government Or Must have passed the Higher Secondary School Certificate (Std. XII) examination with vocational subjects/minimum competency based vocational course conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education. OR Must have passed and examination of another University or Body recognized as equivalent to Higher Secondary School Certificate (Std. XII) Examination.

- **Management**

A candidate for being eligible for admission to the B.M.S. Degree Course shall have passed H.S.C. Examination of the Maharashtra Board of Higher Secondary Education or its equivalent examination or Diploma in any Engineering branches with two years or three years duration after S.S.C. conducted by the Board of Technical Education, Maharashtra State or its equivalent examination by securing minimum 45\% marks for general category (in one attempt) at the respective Examination and minimum 40\% marks for the reserved category (in one attempt). While drawing the merit list, weightage has to be given to students from Arts, Commerce and Science Stream at 12th standard level. The stream wise weightage to be given is as under : Stream Commerce Arts Science Diploma in Engineering and Other Percentage 45\% 25\% 25\% 5\% The applications are to be accepted and processed by the colleges stream wise separately and the merit list is to be displayed stream wise taking into account the reservation policy prescribed by the Government of Maharashtra

- **For Master Course (M.A/ M.Com/M.Sc.)**

A candidate for being eligible for admission to the 2 year master course leading to the Master of Arts/Commerce/Science must have passed Graduate (10+2+3) degree examination of any university recognized by UGC. A separate entrance exam will be conducted on all India basis for M.Sc. course. The eligibility condition of each subject will be decided by respective board of studies in case of inter-disciplinary subjects.

- **For Ph.D.**

Above 55\% marks in respective subject and Qualified Ph.D. Entrance Test organized by University or Qualified GATE/SET/NET examination in respective subject OR five years teaching experience as approved teacher or 2 published research papers as first or single author.

- **For Education (B.Ed. and M.Ed.)**

Eligibility Criteria for B.Ed. - Degree of any faculty (50 %)

M.Ed. - B.Ed. Degree (50%)

Ph.D. - M.Ed. Degree (50%)

Mode of selection for B.Ed. - CET + Degree (as per NCTE norms)

M.Ed. - CET + B.Ed. (as per NCTE norms)

Ph.D. - PET + M.Ed. (as per NCTE norms)

2. Mode of Selection

For any Graduate (Bachelor degree course) admission will be based on merit of (10+2) examination.

For Post Graduate (M.Sc.) course admission will be based on Entrance test on all India level. For M.Sc. course 50\% weightage to be given at graduate level marks and 50\% to be at entrance examination. The eligibility condition of each subject will be decided by respective board of studies in case of inter-disciplinary subjects.

For Post Graduate Course M.A and M.Com admission will be on the merit of bachelor degree examination.

For Ph.D. Above 55\% marks in respective subject and Qualified Ph.D. Entrance Test organized by University or Qualified GATE/SET/NET examination in respective subject OR

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

five years teaching experience as approved teacher or 2 published research papers as first or single author.

For Education B.Ed. - CET + Degree (as per NCTE norms)

M.Ed. - CET + B.Ed. (as per NCTE norms)

Ph.D. - PET + M.Ed. (as per NCTE norms)

3. Reservations

As per Government of Maharashtra norms.

4. Percentage (%) of hostel seats reserved for socially and economically weaker sections.

As per Government of Maharashtra Norms

5. Scholarships and Stipends including fee concession etc. proposed

As per Government of India and Government of Maharashtra Scholarship/Stipend Schemes

C. Details of Teaching Staff

(a) Student Teacher Ratio (Existing (E) and Proposed (P))

	Lead Institute		Cluster College 1		Cluster College 2		Cluster College 3	
	The Institute of Science, Mumbai		Elphinstone College		Sydenham College		State Training College	
	E	P	E	P	E	P	E	P
Student Teacher (Sanctioned position) Ratio	11.8:1	10:1	22.97:1	15:1	96.67:1	60:1	10:1	10:1

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

(b) Teaching Staff Positions Sanctioned – Professors/ Associate Professors/ Asst. Professor Wise and Department Wise, College Wise.

The Institute of Science, Mumbai			
Rank Faculty	No. of Regular Sanctioned Post	Post Filled	Vacant
Director	01	01	-
Professor	10	02	08
Associate Professor	20	12	08
Assistant Professor	41	14	27
Elphinstone College			
Rank Faculty	No. of Regular Sanctioned Post	Post Filled	Vacant
Principal	01	01	-
Professor	--	--	--
Associate Professor	--	--	--
Assistant Professor	54	35	19
Sydenham College			
Rank Faculty	No. of Regular Sanctioned Post	Post Filled	Vacant
Principal	01	01	-
Professor	--	--	--
Associate Professor	--	--	--
Assistant Professor	30	22	08
Secondary Training College			
Rank Faculty	No. of Regular Sanctioned Post	Post Filled	Vacant
Principal	01	01	-
Professor	--	--	--
Associate Professor	--	--	--
Assistant Professor	Full Time – 07 Part Time 02	06 --	01 02

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

(c) Positions Filled with Regular Incumbents - Professors/ Associate Professors/ Asst. Professor Wise and Department Wise, College Wise (Please refer above Table)

(d) Additional posts to be created to achieve ideal Students Teacher Ratio and Manage the Proposed Academic Departments / Centers/ Schools

The Institute of Science, Mumbai		
Professor	Associate Professor	Assistant Professor
14	25	47
Elphinstone College		
Professor	Associate Professor	Assistant Professor
29	58	117
Sydenham College		
Professor	Associate Professor	Assistant Professor
03	NIL	42
Secondary Training College		
Professor	Associate Professor	Assistant Professor
03	06	11

(e) Recruitment Strategy and Commitment to employ Teachers on Regular Basis:

As per University act, U.G.C. guidelines and Maharashtra Govt. norms.

D. Details of Non-Teaching Staff

(a) Non - Teaching Staff Positions Sanctioned: Category Wise And College Wise

	LI		CC 1		CC 2		CC 3	
	ISc		EC		SC		STC	
	S	F	S	F	S	F	S	F
Registrar	1	00	1	00	00	00	00	00
Office Superintendent	1	1	1	1	1	1	00	00
Personal Assistant	1	00	00	00	00	00	00	00
Superintendent	00	00	00	00	1	1	1	00
Head Clerk	1	1	1	1	1	1	1	00
Senior Clerk	1	1	1	1	2	2	1	1
Junior Clerk	2	2	6	4	5	5	1	1
Library Clerk	00	00	00	00	00	00	00	00
Lab Assistant	5	4	6	3	00	00	1	1
Lab Technician	00	3	00	00	00	00	00	00
Museum in Charge	1	1	00	00	00	00	00	00
Store keeper	1	1	1	00	00	00	00	00
Librarian	00	00	1	00	1	1	00	00
Asst. Librarian	1	00	00	00	1	1	00	00
Lab Attendent	16	16	23	20	00	00	00	00
Library Attendent	3	3	8	7	8	8	00	00
Peon	12	10	10	09	8	8	6	6
Liftman	00	00	1	00	00	00	00	00
Stenographer Steno-typist	00	00	1	00	00	00	00	00

(LI - Lead Institute, CC – Constituent College, ISc. - The Institute of Science, EC - Elphinstone College, SC - Sydenham College, STC - Secondary Training College, S - Sanctioned, F - Filled).

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

(b) Positions Filled With Regular Incumbents: Category Wise and College Wise

Please refer the above table

(c) Teaching : Non-Teaching Staff Ratio (Existing – Proposed)

	LI	CC 1	CC 2	CC 3
	ISc	EC	SC	STC
Teaching and Non-teaching Staff Ratio	Existing - 1: 1.6 Proposed - 1:2	Existing - 1: 1.17 Proposed - 1:1.5	Existing - 1: 1.6 Proposed - 1:2	Existing - 1: 2 Proposed - 1:2

(LI - Lead Institute, CC - Constituent College, ISc. - The Institute of Science, EC - Elphinstone College, SC - Sydenham College, STC - Secondary Training College, S - Sanctioned, F - Filled).

(d) Additional Posts to be created to achieve ideal teaching : Non-Teaching Staff Ratio

Posts	LI	CC1	CC2	CC3
	ISc	EC	SC	STC
Vice Chancellor	01	00	00	00
Registrar	01	01	00	00
BCUD Director	01	00	00	00
Controller of Examinations	01	00	00	00
Finance & Accounts officer	01	00	00	00
Librarian	01	01	01	00
Deputy Registrar	06	00	01	00
Office Superintendent	04	01	01	01
Personal Assistant	05	01	01	00
Store Officer	01	00	00	00
Head Clerk	08	01	02	00

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Senior Clerk	08	30	02	00
Junior Clerk	22	30	01	03
Lab Assistant	28	50	01	05
Lab Technician	09	15	02	00
Museum in Charge	01	01	00	00
Herbarium in charge	01	01	00	00
Carpenter	01	01	00	00
Electrician	01	01	01	00
Store Keeper	10	10	01	00

Asst. Librarian	02	05	00	00
Lab Attendant	40	70	01	02
Library Attendant	05	10	00	00
Peon	35	30	00	12
Stenographer	05	02	00	00
Typist	–	20	00	00
Liftman	01	02	01	00
Security Staff	06	14	01	00
Gardner	02	01	00	00

(LI - Lead Institute, CC - Constituent College, ISc. - The Institute of Science, EC - Elphinstone College, SC - Sydenham College, STC - Secondary Training College, S - Sanctioned, F - Filled).

(e) Recruitment Strategy: **As per Govt. of Maharashtra norms.**

E. Proposed Outcomes

In Terms of

(1) Better Employability

Outputs in terms of Inter Disciplinary and Cross Disciplinary Learning

- CBCS (Choice Based Credit System) gives student a chance to interact with faculty from different departments.
- Such inter disciplinary approach enable students to understand basic concepts of other subjects.
- Empowers the student in terms of appearing for competitive examination leading to meaningful employability.

- The programs will offer an in depth theoretical and practical knowledge which will develop a student's academic competence and potentiality, leading to process of national construction and social change in meaning full manner.
- The Central Instrumental Facility will be accessible to researchers from all the school leading and linking community of scholars from various disciplines with each other in term of their subject matter, methodology as well as problem areas.
- The programs will prepare students for scholarly careers in teaching research and policy and bring out a next generation of scientist who will work at the frontier of various fields.

(2) Quality Gains

Output In Terms Of Governance, Faculty (Ratio), Academic Reforms, Autonomy

- CBCS will help to create a learner centric environment conducive for quality education
- Academic autonomy will lead to better compliance of Academic calendar.
- A fair, transparent and timely conduct of examination, evaluation and declaration of results.
- Departments can devote more time for academic activities and save quality time on non- academic activity like admission, examination and evaluation.
- Online Student Database Management Program for Admissions.
- The student will have access to the best of facilities in terms of services and resources which includes library, laboratories and Hostel facilities.
- The academic reforms and autonomy will expose students to wide array of opportunities in choosing and deciding his curriculum.
- The opportunities provided to the student will truly exponentiate on graduation from the university
- This will help the country build the required critical resource pool for strengthening and expanding the S& T system and R & D base.
- The innovation infrastructure of the University will have an enormous significance in the competition among emerging knowledge economies.

(3) Better Research Yields

Output in terms of publications, Ph.D., M.Phil., Consultation

- A zenith can be reached in terms of research due to central Instrumentation Facilities, MoU's with leading Research organizations, Industries and Institutions.
- A human resource pool will be developed which will attract students and unleash their quest for knowledge and will make them capable of utilizing and developing first principles in science.
- Development of State of art Central Instrument Facility will expose students and faculties to cutting age technology which will lead to better acceptance of their research work in scientific community. Such endeavors will be helpful for generating new knowledge and creating wealth. It will create unprecedented value.
- The interdisciplinary research across department and school boundaries will focus on tackling great challenges for society at large.

(4) Output in terms of Access, Excellence and Equity

- The Cluster University will definitely be a distinct addition to the States resources in higher education rather than being a mere quantitative expansion of facilities, which already exist, leading to national progress and development.

Section 7: Physical & Financial Details of Proposed University

A. Physical Estimates for Civil Works(Including Equipment, Fixtures and Furniture)

Sr.No	Item	Minimum area Requirement (sq.m.)			State's Proposal Area (sq.m.)		
		Tier 1	Tier 2	Tier 3	2016-17	2017-18	2018-2019
1	Administrative area and common facilities	2000	2000	1000	-	-	2000
2	School Of Sciences	1085	1200	1000	-	-	1085
3	School Of Social Sciences	800	1050	750	-	-	800
4	School Of Computer Technology	1200	1400	1000	-	-	1200
5	School Of Teacher Education	750	850	590	-	-	750
6	School Of Humanities and Liberal Arts	800	1050	750	-	-	800
7	School Of Commerce	800	1050	750	-	-	800
8	School Of Management	800	1050	750	-	-	800
9	Classrooms (Common)	5000	5000	3000	-	-	5000
10	Central Library with Computer Center/ E-Resource Center	2000	2000	2000	-	-	2000
11	Auditorium	1000	1000	1000	-	-	1000
12	Canteen/Cafeteria/Toilet Blocks/Miscellaneous	750	750	750	-	-	750
	Total	15385	16300	11590	-	-	15385
13	Hostel	1400	1400	1000	-	-	1400
	Grand Total	19385	20300	12590	-	-	19385

B. Financial Estimates for Construction Works (Including Equipment, Fixtures and Furniture)

Sr. No.	Item	Minimum Financial Requirement (In Rs. Lakhs)			State Proposal (Rs. In Lakhs)
		Tier 1 (@Rs. 33371 per SM)	Tier 2 (@Rs. 31622 per SM)	Tier 3 (@Rs. 44650 per SM)	2018-19
1	Administrative Area and Common Facilities	667.42	632.44	446.5	550
2	School of Sciences	362.07	379.46	446.5	300
3	School of Social Sciences	266.96	332.03	334.87	250
4	School of Engineering, Technology and Computer Engineering (Commerce)	400.45	442.7	446.5	10
5	School of Teacher Education	250.28	268.79	263.43	28
6	School of Humanities and Liberal Arts	266.96	332.03	334.87	19.72
7	Classroom (Common)	1668.55	1581.1	1339.5	525
8	Central Library along with Computer Centre/e-resource centre	667.42	632.44	893	500
9	Auditorium	333.71	316.22	446.5	50
10	Canteen/Cafeteria/Toilet Blocks/Miscellaneous	250.28	237.16	223.25	250.28
	Total	5134.1	5154.36	5174.92	2483
		(@Rs. 26096 per SM)	(@Rs. 24722 per SM)	(@Rs. 32581 per SM)	(@Rs. 26096 per SM)
11	Hostel	365.34	346.1	325.81	300
12	Equipments				2717
	Grand Total	5499.44	5500.46	5500.73	5500

C. Summary of Financial Estimate (Figures are in Lakhs)

a. Financial Estimate for Renovation/Modernization of existing buildings shown in Section 3. D.

Sr. No.	Description of Building	Location (Name of College)	Proposed Cost	Justification
			Total Cost (in Lakhs)	
1.	ISc	ISc	300	The main building of proposed lead institution as well as component colleges are classified as heritage buildings, therefore internal renovations and modernization are very much required in order to maintain. This is essential in order to maintain technical and instrumental facilities. Similarly, the modification is needed to establish the smart class room in each constituent college and lead institution to maintain innovative teaching and learning practices.
2.	EC	EC	380	
3.	SC	SC	200	
4.	STC	STC	28	
Total (Figures in Lakhs)			908	

(ISc. - The Institute of Science, EC - Elphinstone College, SC - Sydenham College, STC - Secondary Training College)

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

b. Financial Estimate for Equipment, Refer Section 3. F.

Sr. No.	Name of the Institute/College	Qty	Cost per unit (in Lakhs)	Total Cost (in Lakhs)	Justification
1.	Institute of Science	-	1722	1722	The outcome of establishing these facilities is expected to be reflected in advanced level research and innovation, training and developing expertise in different discipline of basic sciences. The benefit of which can be provided to the industrial and social level for value based research and its recognition.
2.	Elphinstone College	-	400	400	
3.	Sydenham College	-	595	595	
4.	Secondary Training College	-	-	-	
Total (Figures in Lakhs)			2717	2717	

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

c. Financial Estimates for Construction Works (Including Equipment, Fixtures and Furniture; Refer Section 6. B.

Sr. No	Item	State's State' Proposal (Rs. in lakhs)	Justification
		2018-19	
1	Administrative area and common facilities	550	<ul style="list-style-type: none"> It is also proposed to establish a new administrative building as a central facility for newly established cluster university at the premises of Institute of Science. This centre of Cluster University and its constituent colleges has their own library units but these units are confined with their independent status. However, all these units will be connected through Receiving centers in order to transfer of literature, journals and books electronically by login and registering the stakeholders, i.e. students and faculty members. All these facilities and resources can be used/utilized at respective institutions. All Libraries will be interconnected. The Virtual Center will be established with transmitting and receiving facilities at Sydenham College. The infrastructure grant will be utilized for upgradation of hostels and the class rooms.
2	Classrooms (Common)	525	
3	Central Library with Computer Center/ E-Resource Center	500	
	Total (figures in Lakhs)	1575	
4	Hostel	300	
6	Grand Total (figures in Lakhs)	1875	

Details of proposed Smart Classroom and Central Library and Hostel are given in Annexure 5.



INSTITUTE OF SCIENCE
Government of Maharashtra
15, Madam Cama Road
Mumbai 400032
Tel.No. 022-22844219

No.ISC/RUSA/18/295

Date 05.09.2018

To,
State Project Directorate (SPD) Maharashtra,
RUSA,
Unit No 2, 18th floor, Centre 1 World Trade Centre,
Cuffe Parade, Colaba,
Mumbai 400 005

Sub: Confirmation for construction of New Building

Dear sir,

It is confirmed that the block estimate of Rs. 550 lacs was received from PWD in the year 2018-19 towards the construction of new administration building in the premises of Institute of Science.


Director
Institute of Science
Mumbai 400 032


State Project Director
State Project Directorate-RUSA
Higher Education Department (M.S.)
Mumbai



Institutional Development Plan of Dr. Homi Bhabha University, Mumbai



INSTITUTE OF SCIENCE
Government of Maharashtra
15, Madam Cama Road
Mumbai 400032
Tel.No. 022-22844219

No.ISC/RUSA/18/ 796

Date 04.09.2018

To,
State Project Directorate(SPD) Maharashtra,
RUSA,
Unit No 2,18th floor, Centre 1 World Trade Centre,
Cuffe Parade,Colaba,
Mumbai 400 005

Sub: Financial requirement for construction of New Building

Dear sir,

The budgetary provision on of Rs.550 Lac is shown in the DPR towards the construction of new administrative building in the premises of Institute of Science,Mumbai.



Director
Director
The Institute of Science
15, Madam Cama Road
Mumbai 400 032

State Project Director
State Project Director
State Project Directorate-RUSA
Higher Education Department (M.S)
Mumbai



Total Financial Summary Institute wise of Table a + b + c (in Lakhs)

Sr. No.	Particular	ISc	EC	SC	STC	H	Total
(1)	Renovation/ Modernization	300	380	200	28	-	908
(3)	Equipment	1722	400	595	0	-	2717
(4)	Construction work (Administrative building)	550	-	-	-	-	550
(5)	Construction Class rooms (common)	125	175	175	50	-	525
(6)	Construction (Central library with computer center/ e-Resource center)	-	-	500	-	-	500
(8)	Hostel Renovation/facilities	-	-	-	-	300	300
Total (figures in Lakhs)		2697	955	1470	78	300	5500

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Total Financial Summary of Table a + b + c (All figures are in Lakhs)

Sr. No.	Particular	Total (in Lakhs)	Justification
(1)	Renovation/ Modernization	908	The main building of proposed lead institution as well as component colleges are classified as heritage buildings, therefore internal renovations and modernization are very much required in order to maintain. This is essential in order to maintain technical and instrumental facilities. Similarly, the modification is needed to establish the smart class room in each constituent college and lead institution to maintain innovative teaching and learning practices.
(2)	Equipment	2717	The outcome of establishing these facilities is expected to be reflected in advanced level research and innovation, training and developing expertise in different discipline of basic sciences. The benefit of which can be provided to the industrial and social level for value based research and its recognition.
(3)	Construction work (Administrative building)	550	It is also proposed to establish a new administrative building as a central facility for newly established cluster university at the premises of Institute of Science.
(4)	Construction Class rooms (common)	525	New virtual studio as central facility and smart class will be constructed
(5)	Construction (Central library with computer center/ e-Resource center)	500	This centre of Cluster University and its constituent colleges has their own library units but these units are confined with their independent status. However, all these units will be connected through Receiving centers in order to transfer of literature, journals and books electronically by login and registering the stakeholders, i.e. students and faculty members. All these facilities and resources can be used/utilized at respective institutions. All Libraries will be interconnected. The Virtual Center will be established with transmitting and receiving facilities at Sydenham College.
(6)	Hostel Renovation/facilities	300	Existing Hostel facility available will be modernized, renovated and upgraded.
Total (figures in Lakhs)		5500	

(ISc - Institute of Science, EC - Elphinstone College, SC - Sydenham College, STC - Secondary Training College, H- Hostel)

Expenditure mentioned in (1), (3), (6) in the above table, amount of **Rs.3300 Lakhs** will be utilized by 30th September 2018. The remaining amount of **Rs.2200 Lakhs** will be utilized by 31st March 2019.

Justification & Outcome

The proposed expenditure of Rs.3300 Lakhs (60% of Total Grant of Rs.5500 Lakhs) to be utilized by 30 September 2018. The procedure of utilizing the remaining Rs.2200 Lakhs (40% of Total Grant) will be begin immediately.

(1) Equipments and Instrumental Facilities (Rs.2717 Lakhs)

The proposed Cluster University will be the advanced center of fine research and innovation activities in almost all major scientific disciplines like Life Sciences, Chemical Sciences, Material Sciences, Mathematical Sciences. To this context the major equipments like High resolution electron Microscopy, X-ray Photo electron Microscopy, atomic layer deposition system, nuclear magnetic resonance (NMR Unit), DNA Sequencer, Aminoacid analyzer, and many more other equipments as listed in **Appendix J, L, Q and R** will be procured. These equipments will be beneficial to MSc and PhD students of Institute of Science and other component colleges. The benefit is also can be taken by the industries in Mumbai area and State.

The outcome of establishing these facilities is expected to be reflected in advanced level research and innovation, training and developing expertise in different discipline of basic sciences. The benefit of which can be provided to the industrial, commercial as well as social establishments for value based research and its recognition.

(The details and justification of individual equipments are given in **Appendix J, L, Q and R**).

(2) Central library with computer center/e-Resource center - Virtual Center (Rs. 500 Lakhs)(Rs.291 Lakhs will be utilized by 30th September and remaining Rs.209 Lakhs will be utilized by 31st March 2019)

This center of Cluster University and its component colleges has their own library units but these units are confined with their independent status. However, all these units will be connected through Receiving centers in order to transfer of literature, journals and books electronically by login and registering the stakeholders, i.e. students and faculty members. All these facilities and resources can be used/utilized at respective places. All Libraries will be interconnected. The Virtual Center will be established with transmitting and receiving facilities at Sydenham College.

(3) Renovation and Modernization of Class rooms (Rs. 908 Lakhs)(Rs.292 Lakhs will be utilized by 30th September and remaining Rs.616 Lakhs will be utilized by 31st March 2019)

The main building of proposed lead institution as well as component colleges are classified as heritage buildings. Therefore internal renovation and modernization (only existing internal sections) are needed to be renovate and modernize. This is essential in order to maintain technical and instrumental facilities. Similarly the modification is needed to establish the smart class room in each component colleges and lead institution to maintain innovative teaching and learning practices.

Section 8: Conversion Plan for conversion of colleges into Cluster University

A. Timeline for Physical Infrastructure Development

Phase I	Item	Financial Target (as per % of approved cost)		Physical Target appropriate unit	
		Start Date	End Date	Start	Date
	Administrative area and common facilities	July 2018	March 2019	July 2018	Mar 2020
	School Of Sciences	July 2018	March 2019	July 2018	Mar 2019
	School Of Social Sciences	July 2018	March 2019	July 2018	Mar 2019
	School Of Computer Technology	July 2018	March 2019	July 2018	Mar 2019
	School Of Teacher Education	July 2018	March 2019	July 2018	Mar 2019
	School Of Humanities and Liberal Arts	July 2018	March 2019	July 2018	Mar 2019
	School Of Commerce	July 2018	March 2019	July 2018	Mar 2019
	School Of Management	July 2018	March 2019	July 2018	Mar 2019
	Classrooms (Common)	July 2018	March 2019	July 2018	Mar 2019
	Central Library with Computer Center/ E-Resource Center	July 2018	March 2019	July 2018	Mar 2019
	Auditorium	July 2018	March 2019	July 2018	Mar 2019
	Canteen/Cafeteria/Toilet Blocks/Misclaneous	July 2018	March 2019	July 2018	Mar 2019
	Total				
	Hostel	July 2018	March 2019	July 2018	Mar 2019

B. Timeline for Academic and Administrative Action

Item		Start Date	End Date
Constitution of BOG		June 2018	April 2019
Constitution of Academic Council		June 2018	April 2019
Constitution of Board of Studies		June 2018	April 2019
Constitution of Research Council		June 2018	April 2019
Constitution of Finance Committee		June 2018	April 2019
Others			
Introduction of New Courses	UG	May 2019	May 2020
	PG	May 2019	May 2020
	PG+	May 2019	May 2020
Creation of New Courses	Departments	May 2019	May 2020
	Centers	May 2019	May 2020
	Schools	May 2019	May 2020
Recruitment (To achieve target ratios)	Teaching Staff	June 2018	May 2020
	Non-teaching staff	June 2018	May 2020
Enrollement (To achieve target)	UG	June 2018	May 2020
	PG	June 2018	May 2020
	PG+	June 2018	May 2020

Section 9: Overall Action Plan for Implementation with Timelines

Sr.No.	Activity	Start Year	Year of completion
1	Conversion of Cluster University	2018-19	2018-19
2	Constitution of different committees, boards and councils	2018-19	2018-19
3	Functioning of university	2018-19	2018-19
4	Introduction of CBCS, revision of syllabus and introduction of curriculum	2018-19	2018-19
5	Recruitment process	2018-19	2019-20
6	Infrastructure creation / renovation	2018-19	2018-19
7	Introduction of new courses, creation of new departments	2018-19	2018-19
8	Research center establishments	2018-19	2018-19
9	Building construction	2018-19	2019-20
10	Target enrollment, functioning of full fledged university, NACC accreditation	2018-19	2022-23

\

A. Proposed Local Industrial Scenario

The city of Mumbai is located on the shore of Arabian sea with vast diversity of flora and fauna as well as other physical, geographical peculiarities which provides a lot of scope to establish research oriented commercial activities. There is a scope to widen the source of commercialization specially in the area of information technology, chemical industries, mechanical research, banking, media, pharmaceutical, nutrition, and tourism. This is the local existing scenario under which many industrial units are working and further providing a good opportunity for the up-gradation of various fields, like nano-technology, nano-medicine and health care for the benefit of the society.

The trained graduate and the skilled personnel from the proposed Cluster University, will play an important role in industrialization, commercialization and progressive development in different area as mentioned above.

B. Proposed Linkages with Industry

Knowing the area and the population residing in nearby vicinity, in the order of preference will be decided to establish the linkages with the industries working in the area of social benefits in terms of health care, modern technological utilities, communication, technology, electronic industries, food and nutrition, as well as software development technology.

The proposed Cluster University will prefer to establish the collaborating relationship with the industrial unit working in the said areas.

Sydenham College has a long standing relation with industry and entertainment world & Tourism industry. The cultural programmes organized by students will be organized with the help of well known industrial houses, corporate sector, who's who of the entertainment industry.

To Collaborate with event management Institute for better employment possibility.

Local requirement of employment will be tapped.

C. Proposed Linkages with the Community

The social status of existing population in Mumbai and vicinity includes multi-milliners, milliners, rich, medium and poor including fisherman, labours in construction industries, labours in various mills, hawkers, etc. Similarly there is a mixed population that includes economically sound as well as backward people in all religions. It is to be noted that remote area is dominated with the old Aagari, Koli and Warlu community. These communities are

known as the local communities and continuing their business in fisheries as well as traditional medicine. The area is rich with terrestrial as well as aquatic biodiversity in context to flora and fauna.

The proposed Cluster University will seriously consider this aspect and the linkages will be firmly established with this community for their upliftment with the help of modern technology and advance knowledge. Due weightage will be provided in curricular activities by focusing the community needs and their education. Various experts from community will also be involved in framing curriculum.

D. Proposed Linkages with other Institutions in India and Abroad

Currently we have MoU and collaborations with the various Universities and Institutes in India and abroad. Students from Component colleges and Institute of Science, involved in doing their projects in Institutes like TIFR, BARC, IIT, ICT, etc. Faculties are also collaborating with various national and International Universities and Institutes. Few of them are

- (1) Institute of Chemical Technology (ICT), Mumbai.
- (2) Malkolak Knowledge Center, Hyderabad.
- (3) Pancham Aquaculture Farms Limited, Mumbai.
- (4) BIO-FD & C Co. Ltd, Incheon, South Korea.

More linkage will also be established for faculty and student exchange, using facilities, to conduct spin courses.

Section 10: Commitments

The State Governments commits to the following:

- A. As per the authority vested under Section 3(6) of Maharashtra Public University Act, 2016; a notification would be issued for Dr. Homi Bhabha Cluster University, Mumbai in an official gazette
- B. Adequate hostels and toilets for girls will be provided
- C. The State reservation policy would be followed
- D. The university would not affiliate more than 100 colleges, as per the UGC Norms
- E. The buildings would be disabled friendly and also ensure special facilities/equipments for the disabled.
- F. Adequate per student provision for classrooms, library and laboratory facilities would be made available.
- G. ICT in teaching-learning processes and provision of internet access to all students would be ensured.
- H. Implementation of all academic, examination and governance reforms would be followed.
- I. Student teacher ratio of 1:15 would be achieved within three years of commencement of the university.
- J. Teaching to Non-teaching ratio of 1:1.1 would be achieved within three years of commencement of the university.
- K. Recurring expenditure of the university would be borne by the State Government.
- L. Commit to rigorous evaluation on the indicators under the institutional plan template with greater weightage on "Quality and Research Index"
- M. Commit to provide inter disciplinary and trans disciplinary programmes
- N. Commit to bear any expenditure for the proposed university exceeding the grants received through RUSA
- O. Any dispute arising from this conversion must be handled by the state. RUSA will not be a party to any dispute and RUSA grants will not be utilized to defray legal or any other expenses related to such disputes. In case of any legal issue leading to delay in the progress, the Ministry has the right to adjust the Central grants sunk into the project, in the manner it deems appropriate.



Secretary

Higher & Technical Education Department
Government of Maharashtra

(Saurabh Vijay)

Secretary

Higher & Technical Education
Department, Mantralaya,
Mumbai - 400 032.

Government of Maharashtra

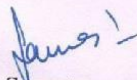
Saurabh Vijay
Secretary

No.RUSA-2018/C.R.248/2018/UNI-3
Higher & Technical Education Department,
Madam Kama Road,
Hutatma Rajguru Chowk
Mantralaya, Mumbai-400032.
Date: 30th July, 2018.

Declaration

The timeline for issuing of The Gazette Notification of Dr. Homi Bhabha Cluster University, Mumbai is scheduled during winter Assembly session which is commencing in the Month of November, 2018. Under the authority vested with the Government through section 3(6) of the Maharashtra Public Universities Act, 2016 which says that government may, by notification in the official gazette constitute a Cluster University comprising of Cluster of high performing Autonomous Colleges or institutions of University; the following notification is to be issued constituting the DR. HOMI BHABHA UNIVERSITY, MUMBAI with the following constituent colleges.

1. Institute of Science, Mumbai, Lead College.
2. Elphinstone College, Constituent College.
3. Sydenham College, Constituent College.
4. Secondary Training College (B.Ed. College), Constituent College


Secretary

Higher & Technical Education Department

(Saurabh Vijay)
Secretary
Higher & Technical Education
Department, Mantralaya,
Mumbai - 400 032.

Annexure 1: Existing Land and Infrastructure Documents

1. Existing Land and Building Document of Institute of Science

उप अभियंता यांचे कार्यालय
दक्षिण उपविभाग, (सा.बां.)
(एम.टी.डी.सी. कार्यालया समोर) मादाम कामा रोड, मुंबई-३२.

जा.क्र.दक्षिण/रेशा/१८९ दिनांक १८/२/२००६.

प्रति,
संचालक
विज्ञान संस्था,
१५, मादाम कामा मार्ग
मुंबई-३२.

विषय :- विज्ञान संस्था, मुंबई बाबतची माहिती.
संदर्भ :- आपले पत्र क्र. ७/भांडार/०५-०६/२२९ दि. १७/२/२००६.

संदर्भाधीन पत्रान्वये आपण विचारणा केलेल्या ^{फ्लॉरिस्टन} ^{महामविद्यालय} इमारती बाबतची माहिती खालील प्रमाणे.

१. इमारतीचे नांव	: विज्ञान संस्था
२. भूखंड सर्वे क्र.	: ३० फोर्ट विभाग
३. भूखंडाचे क्षेत्रफळ	: १४८९६.४४ चौ.मी.
४. अंतर्गत मार्ग / क्रिडांगण करीता १५% वजाती क्षेत्रफळ	: २२३४.४६ चौ.मी.
५. निव्वळ भूखंडाचे क्षेत्रफळ	: १२६६१.९८ चौ.मी.
६. चटई क्षेत्रनिर्देशांक	: १.३३
७. अनुज्ञेय चटई क्षेत्रफळ	: १६८४०.४३ चौ.मी.
८. अस्तित्वातील इमारतींचे एकूण बांधकाम क्षेत्रफळ	: १९६२२.६२ चौ.मी.
९. वापरात आलेला निर्देशांक	: १.५५
१०. भूखंडावर अतिक्रमणे आहेत / नाही.	: अतिक्रमणे नाहीत.

या उप विभागाकडे उपलब्ध असलेल्या पी.आर. कार्डची छायांकित प्रत सोबत जोडली आहे.

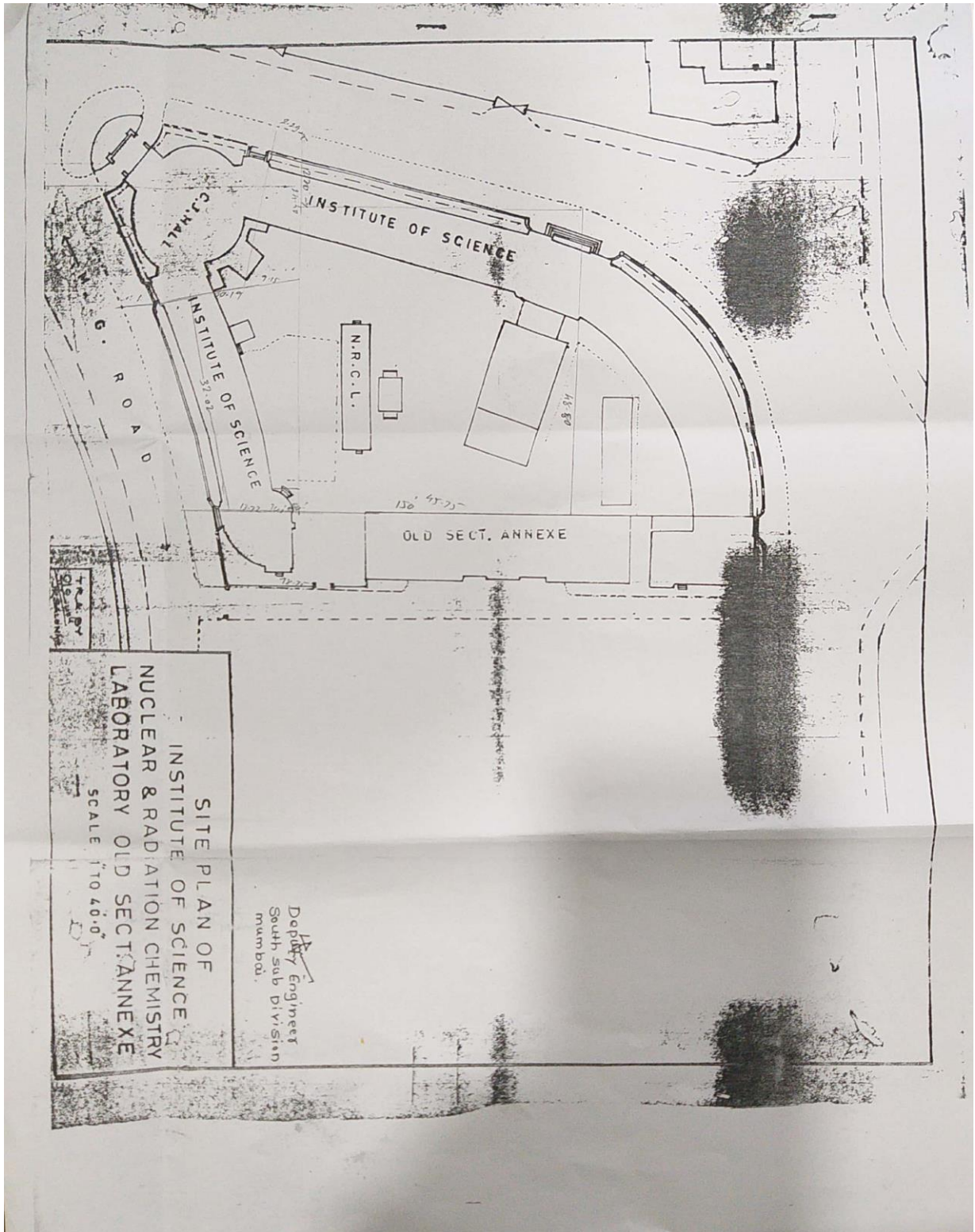
सोबत : वरीलप्रमाणे.

उप अभियंता,
दक्षिण उपविभाग, मुंबई.

Two copy
DEPUTY ENGINEER
SOUTH SUB-DIVISION (P.W.D.)
MUMBAI.

WKISHOR202005SCLetLaz1.doc 8

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai



3. Existing Land and Building Document of Elphinstone College

Area of Elphinstone College

श्री. उपभोग्य सर्वे कार्यालय
लोक. अभियंताप. (स.प.)
प्लॉ. पी. डी. सी. कार्यालय, पणजी, गोवा राज. राड, मुंबई-४०

आ.क्र.दक्षिण/२शा/१२४४

दिनांक १०/१२/२००१

प्राचार्य
एलफिस्टन महाविद्यालय
मुंबई



विषय :- एलफिस्टन महाविद्यालय इमारतीबाबतची माहिती.

संदर्भ :- आपले इगर्जी पत्र क्र. इसी/करटवट/२००५-०६/४६२९ दि. १६/२/२००५.

संदर्भातील पत्रान्वये आपण विचारणा केलेल्या एलफिस्टन महाविद्यालय इमारतीबाबतची माहिती खालील प्रमाणे.

१. इमारतीचे नांव	: एलफिस्टन महाविद्यालय
२. भूखंड सर्वे क्र.	: ३२ फोर्ट विभाग
३. भूखंडाचे क्षेत्रफळ	: ४०६५.२५ चौ.मी.
४. अंतर्गत मार्ग / फ्रिडांगण करीता १५% वजाती क्षेत्रफळ	: ४११५.७४ चौ.मी. (४१.११)
५. निव्वळ भूखंडाचे क्षेत्रफळ	: २३३२२.५५ चौ.मी. (२४.२२)
६. चटई क्षेत्रनिर्देशांक	: १.३२
७. अनुज्ञेय चटई क्षेत्रफळ	: ४५९५.७६ चौ.मी.
८. अस्तित्वातील इमारतीचे एकूण बांधकाम क्षेत्रफळ	: १३४४०.०० चौ.मी.
९. बापरात आलेला निर्देशांक	: २.४६
१०. भूखंडावर अतिक्रमणे आहेत / नाही.	: अतिक्रमणे नाहीत.

या उप विभागाकड उपलब्ध असलेल्या पी.आर. कार्डची छायांकित प्रत सांवात जोडली आहे.

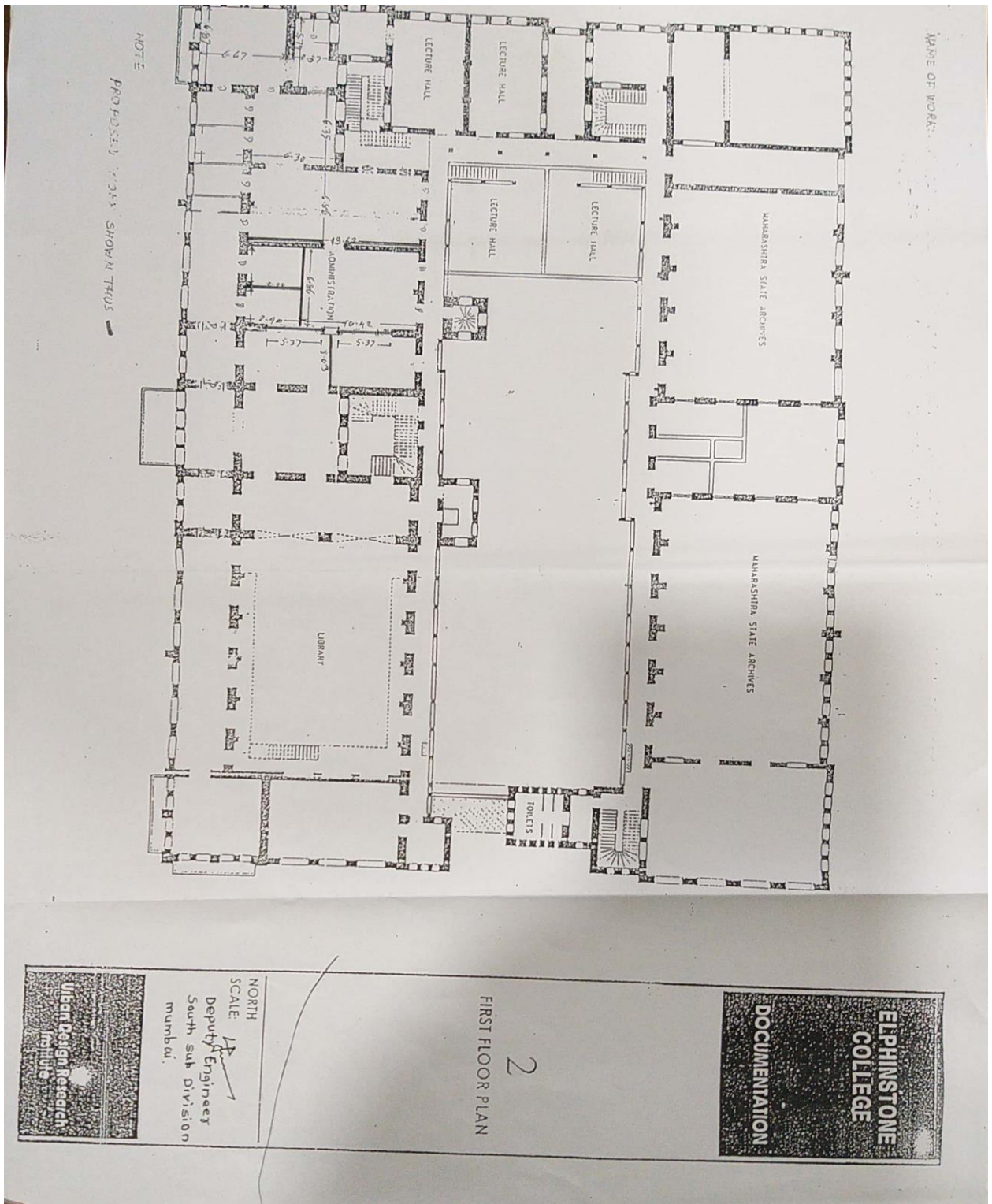
 

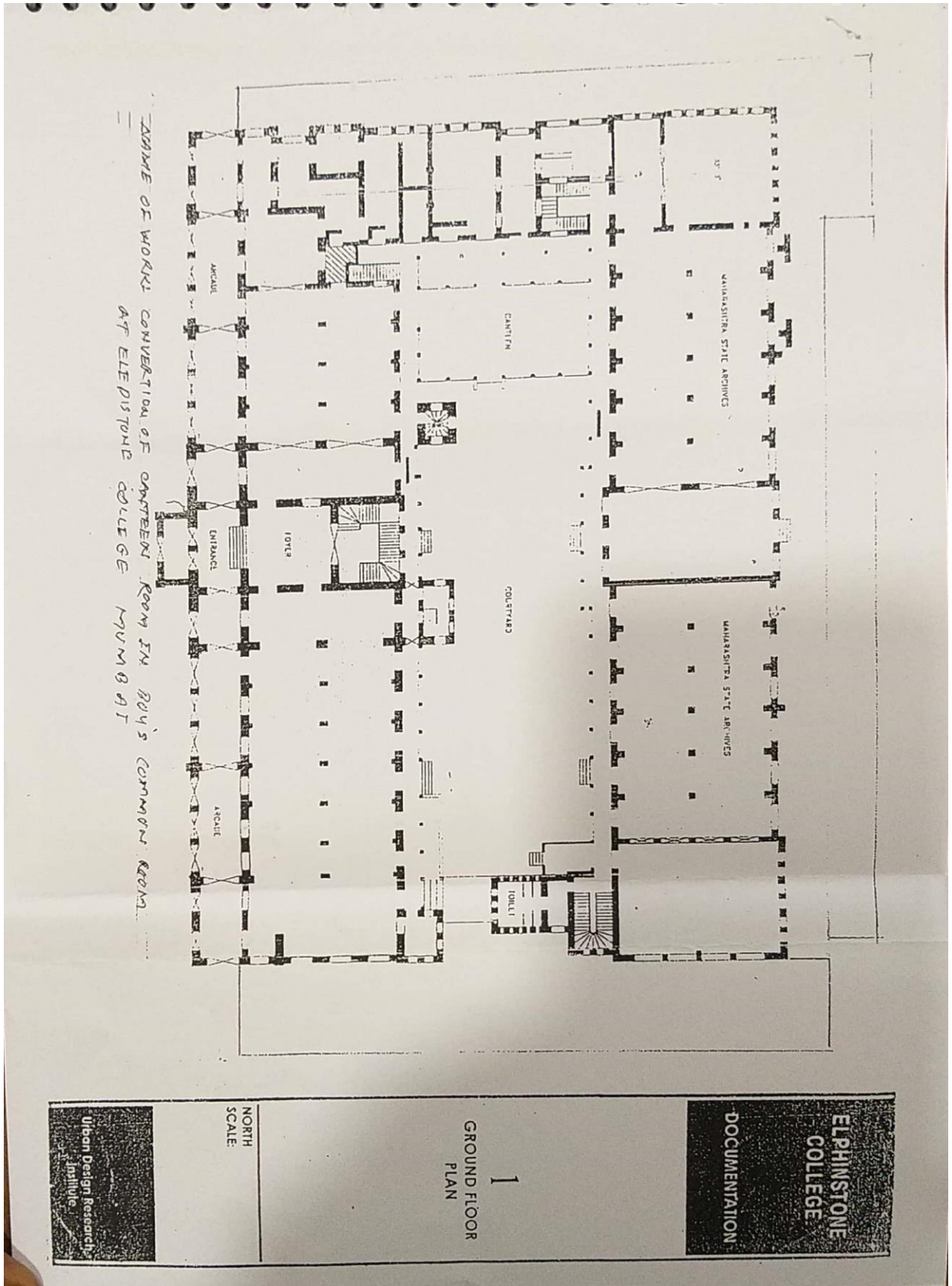
उप अभियंता
वर्षातून वार्षिक

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DEPT. ENGINEER
SOUTH SUB-DIVISION (P.W.D.)
MUMBAI.

4. Map of Existing Buildings of Elphinstone College





Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

5. Existing Land and Building Document of Sydenham College ((includes Govt. Boys Hostel and Telang Hostel)

P.R.B. STATEMENT

DIVISION : PRESIDENCY DIVISION, MUMBAI.
SUB DIVISION : SOUTH

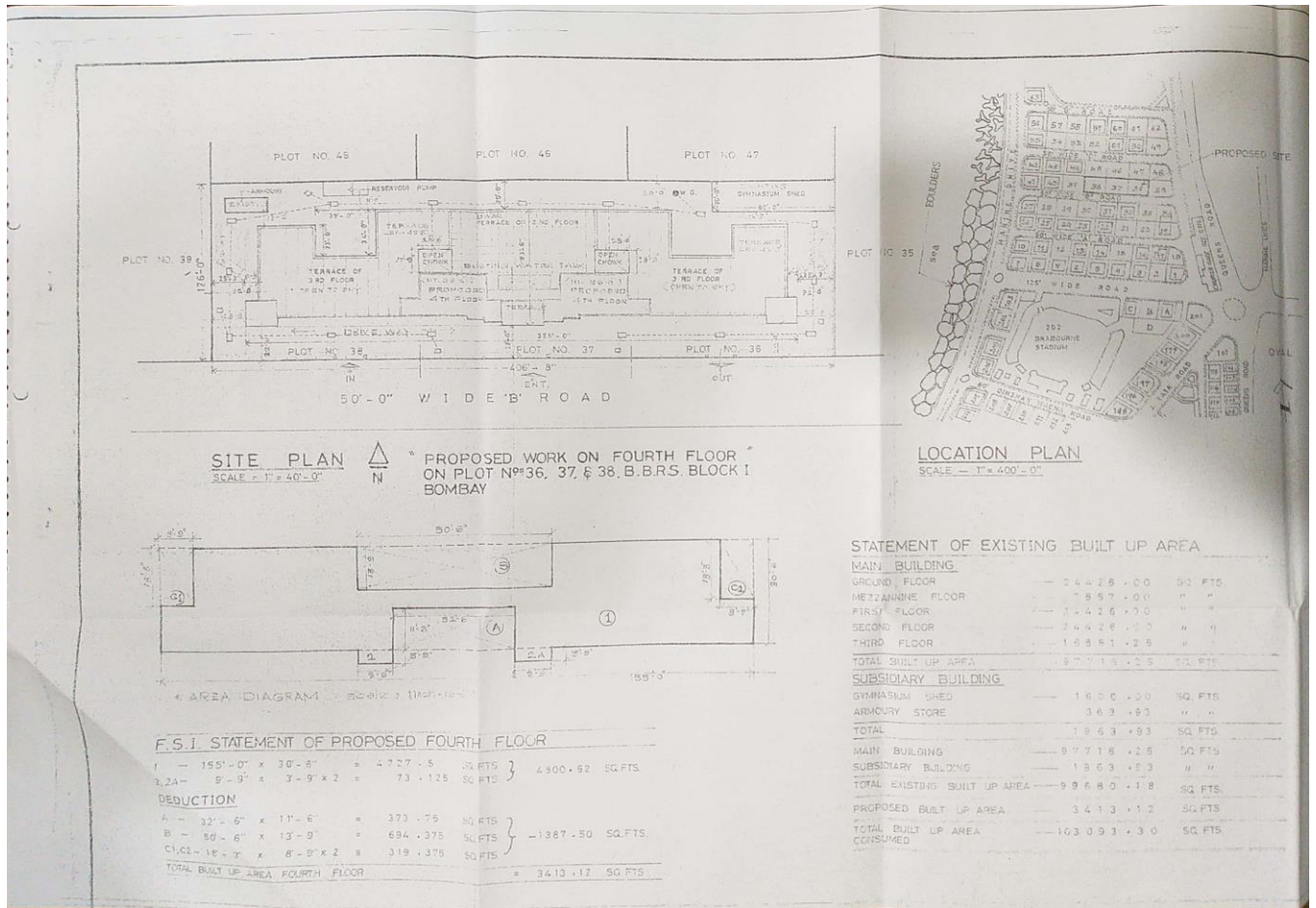
SECTION : B.B.R.S. -2

SR. NO.	NAME OF BUILDING	LAND AREA SQ. YARD	P.R.B. NO. & YEAR OF CONST.	NO. OF STORIED	UNIQUE I.D. NO.	PLINTH AREA SMT.	BUILT UP AREA SMT.
1	2	3	4	5	6	7	8
1	Government Law College Old building Main building, Compound wall, Motor garage, Storage tank, Pump house.	3608.00	<u>168/10</u> 1941-42	(G + 3) & Mezzanine	1941/E/7101/388	1097.33	4983.85 Smt.
	Government Law College New building.	3016.65	<u>168/1 to 7</u> 1987	(G + 3) & Mezzanine	1987/E/7101/1114	405.60	1622.40 Smt.
						Total :	6606.25 Smt.
2	New Sydenham College of Commerce & Economics at C- Road, Churchgate Main building Gymnasiums Pump house & Reservoir College Gymkhana	4460.00	<u>211/1 to 4</u> 1955	(G + 2)	1955/E/7101/489	2388.91	9555.65 Smt.
3	Government Boys Hostel	3146.99	<u>ED/50</u> 1965	(G + 5)	1964/E/7101/663	1525.00	9445.57 Smt.
4	Telang (Earlier Boys Hostel) Ladies Hostel, Electrical Installation, Water supply, Drainage arrangement, RCC Reservoir Tank	1496.06	<u>207 (1 to 4)</u> 1951-52	(G + 5)	1951/E/7101/477	708.46	4592.69 Smt.
						Total :	23593.91 Smt.
5	Sagar & Tushar	1533.45	<u>214/I</u> 1972 <u>214/I</u> 1984	(G + 10)	1972/A/7101/793 1984/A/7101/1049	554.92	(3056.59 + 3047.60) Smt.
						Total :	6104.19 Sqmt

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DEPUTY ENGINEER
SOUTH SUB-DIVISION (P.W.D.)

6. Map of Existing Buildings of Sydenham College



Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Sydenham College

PROFORMA - 1				PROFORMA - 2																																																											
		SQ FTS	SQ YDS.	SQ MTS	CONTENTS OF SHEET																																																										
A AREA STATEMENT					SITE PLAN, LOCATION PLAN AREA DIAGRAM & CALCULATIONS STAMP OF DATE OF RECEIPT OF PLAN <div style="text-align: center;"> AsBapat Assistant Engineer - Gr. II B.B.R.S. II Section, Churchgate </div> STAMP OF APPROVAL OF PLANS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO</th> <th>DATE</th> <th>SIGN</th> <th>CONTENTS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>02/06/11</td> <td>[Signature]</td> <td>INDICATED INTERNAL DIMENSIONS OF CROWD & TERRACE LEVELS</td> </tr> <tr> <td>2</td> <td>05/20/11</td> <td>[Signature]</td> <td>15/116 COLLECTED FROM PLOT AREA</td> </tr> </tbody> </table>			NO	DATE	SIGN	CONTENTS	1	02/06/11	[Signature]	INDICATED INTERNAL DIMENSIONS OF CROWD & TERRACE LEVELS	2	05/20/11	[Signature]	15/116 COLLECTED FROM PLOT AREA																																												
NO	DATE	SIGN	CONTENTS																																																												
1	02/06/11	[Signature]	INDICATED INTERNAL DIMENSIONS OF CROWD & TERRACE LEVELS																																																												
2	05/20/11	[Signature]	15/116 COLLECTED FROM PLOT AREA																																																												
1	AREA OF PLOT	51240.00	5693.33	4760.31																																																											
2	DEDUCTIONS FOR																																																														
a.	ROAD ACQUISITION AREA (see back area)	-	-	-																																																											
b.	PROPOSED ROAD	-	-	-																																																											
c.	ANY RESERVATION	-	-	-																																																											
	TOTAL (a + b + c)	-	-	-																																																											
3	NET GROSS AREA OF PLOT (1-2)	51240.00	5693.33	4760.31																																																											
4	DEDUCTION FOR																																																														
a.	RECREATION GROUND AS PER BYLAW NO. 1331	7886.00	854.00	714.04																																																											
b.	INTERNAL ROADS	-	-	-																																																											
c.	TOTAL (a + b)	7886.00	854.00	714.04																																																											
5	NET AREA OF PLOT (3-4c)	43354.00	4839.33	4046.26																																																											
6	ADDITION FOR F.A.R. 2(a) 100% 2(b) 100% 2(c) 50%	-	-	-																																																											
7	TOTAL AREA (5+6)	43354.00	4839.33	4046.26																																																											
8	F.A.R. PERMISSIBLE	2.45																																																													
9	PERMISSIBLE FLOOR AREA (7-8)	106707.30	11656.36	9913.134																																																											
10	EXISTING FLOOR AREA	99680.18	11075.97	9260.51																																																											
11	PROPOSED AREA PARTLY 4TH FL.	3413.12	379.23	317.08																																																											
12	EXCESS BALCONY AREA TAKEN IN F.A.R. (AS PER B (c) BELOW)	NIL	-	-																																																											
13	TOTAL BUILT UP AREA PROPOSED (10+11+12)	103093.30	11454.81	9577.60																																																											
14	F.A.R. CONSUMED (13/7)	2.36																																																													
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c.	EXCESS BALCONY AREA (TOTAL)	-	-	-																																																											
C TENEMENT STATEMENT																																																															
a.	NET AREA OF PLOT - ITEM A(7) ABOVE																																																														
b.	LESS DEDUCTION OF NON RESIDENTIAL AREA (SHOPS ETC.)																																																														
c.	AREA OF TENEMENTS (a - b)																																																														
d.	TENEMENTS PERMISSIBLE																																																														
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a.	PARKING REQUIRED BY RULE	50																																																													
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d.	TOTAL PARKING PROVIDED	10																																																													
E LOADING/UNLOADING STATEMENT																																																															
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NOTE -																																																															
1	BOUNDARY OF THE PLOT SHOWN IN	---	RED																																																												
2	PROPOSED WORK SHOWN IN	---	PINK																																																												
3	EXISTING BUILDING SHOWN IN	---	BLUE																																																												
4	EXISTING DRAINAGE SHOWN IN	---	YELLOW																																																												

7. Existing Land and Building Document of Secondary Training College

APPENDIX 3- (A)


LAND USAGE CERTIFICATE


This is to certify that, the Secondary Training College, Mumbai is situated from its inception in the year 1906 in the British era on Govt. land in the name of 'The secretary of the State for India in Council (Elphinstone high School, in charge of the Executive Engineer Presidency). This Building was constructed in the year 1879. The building is controlled by the State Government of Maharashtra. It's a Heritage Building situated at 3, Mahapalika Marg, Dhobi Talao, and Mumbai 400001.


At present 1781 sq. meters (i.e. 19164.30 sq. Feet) carpet area is in possession of the Secondary Training College, Mumbai and is available for use which is used exclusively for educational purpose.

Mumbai

Dt./ 17-03-2017

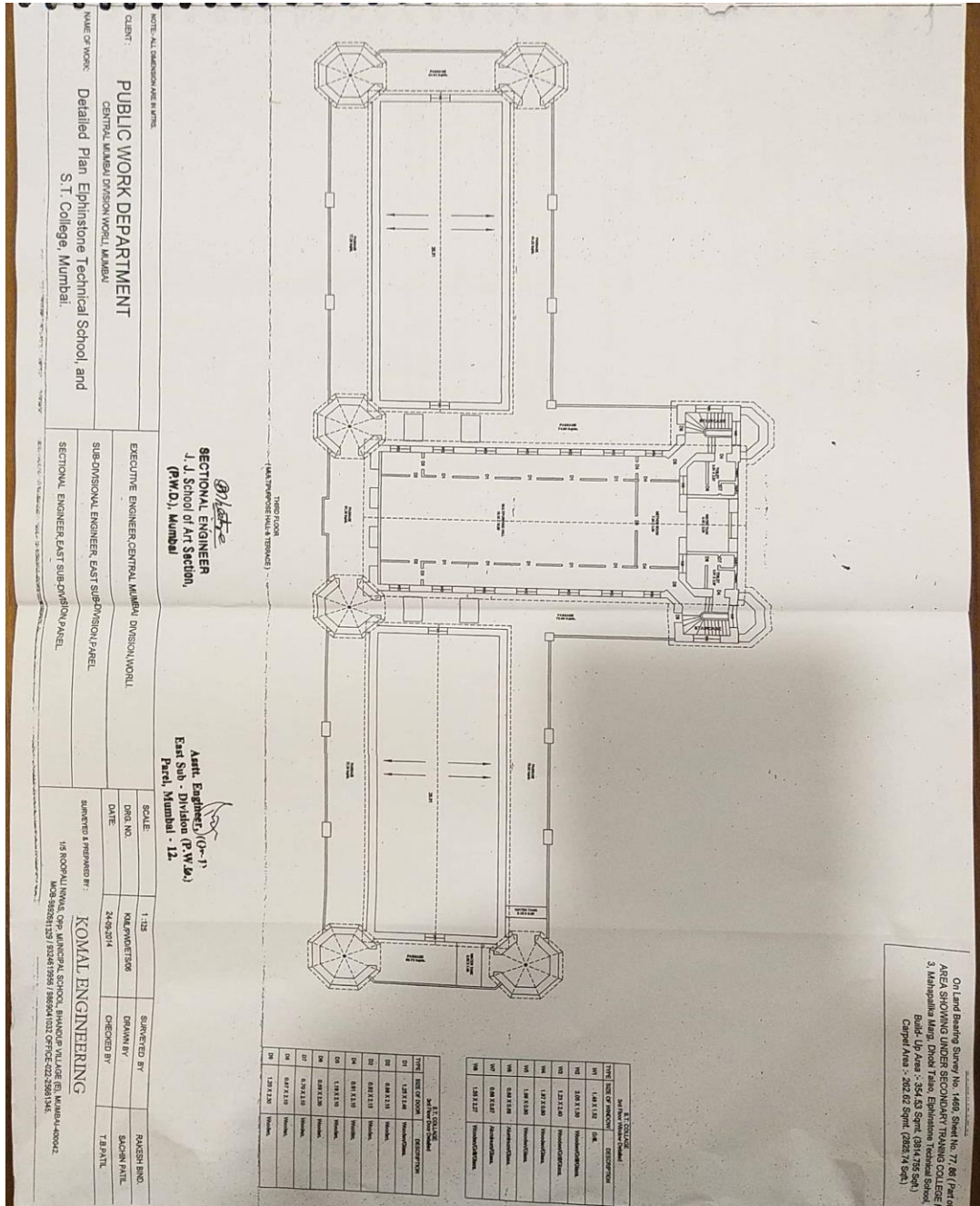

Asstt. Engineer, (O-1)
East Sub - Division (P.W.D.)
Parel, Mumbai - 12.


Executive Engineer
Mumbai Centre, PWD
Worli, Mumbai

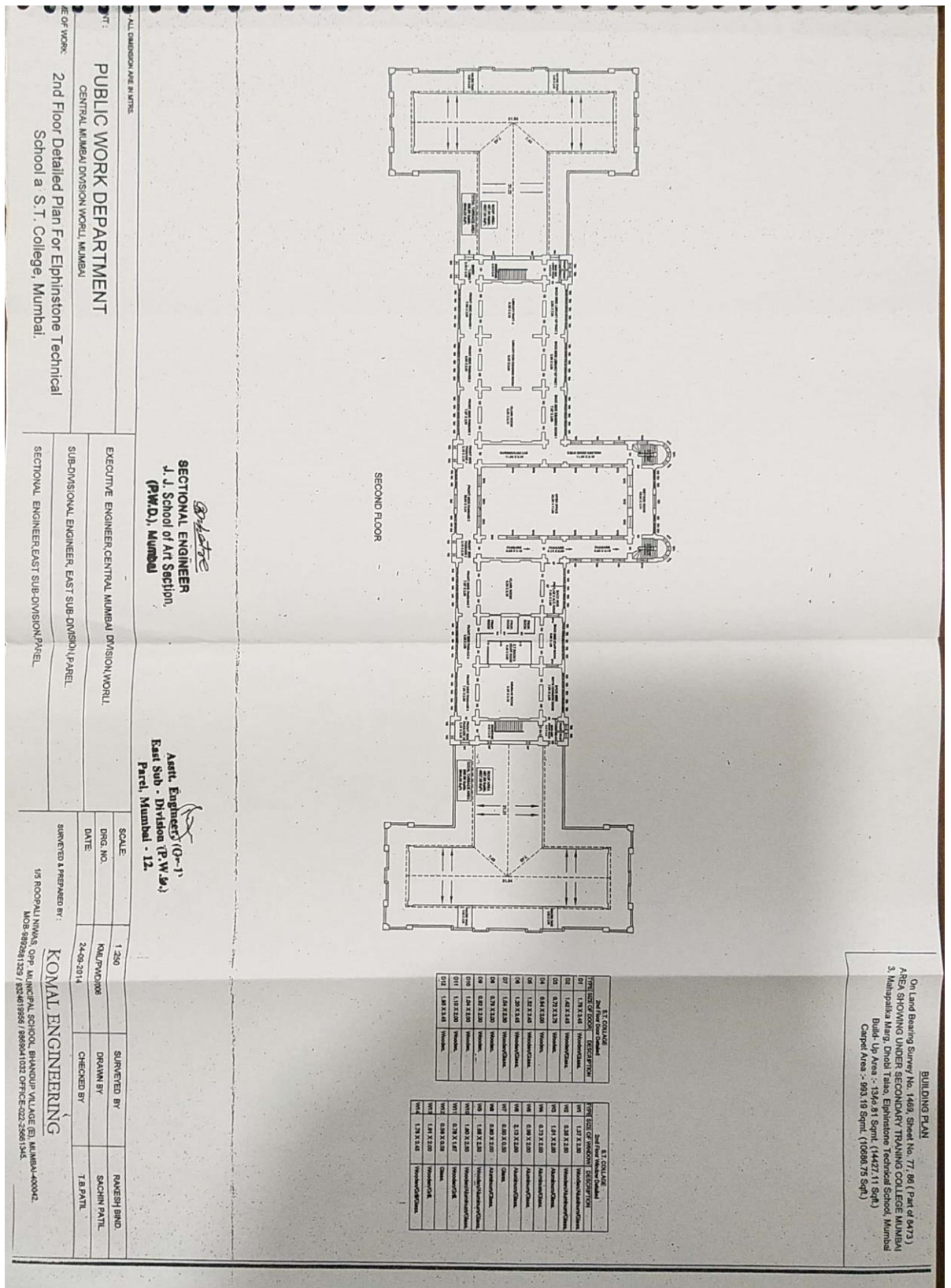

Principal
Secondary Training College,
3, Mahapalika Marg, Dhobi Talao,
Mumbai-400 001.



8. Map of Existing Buildings of Secondary Training College



Institutional Development Plan of Dr. Homi Bhabha University, Mumbai



BUILDING PLAN
 On Land Bearing Survey No. 1489, Sheet No. 77, 86 (Part of 6473)
 AREA SHOWING UNDER SECONDARY TRAINING COLLEGE MUMBAI
 2, Mahapalka Marg, Dhobi Talao, Ephinstone Technical School, Mumbai
 Block - Up Area - 1342.81 Sqm. (14427.11 Sqft)
 Camp Area - 993.19 Sqm. (10686.75 Sqft)

S.T. COLLEGE 2nd Floor (Part of Building)		S.T. COLLEGE 2nd Floor (Part of Building)	
NO.	DESCRIPTION	NO.	DESCRIPTION
01	1.40 X 2.41	01	1.40 X 2.41
02	0.70 X 1.75	02	0.70 X 1.75
03	0.80 X 2.00	03	0.80 X 2.00
04	1.00 X 2.00	04	1.00 X 2.00
05	1.00 X 2.00	05	1.00 X 2.00
06	0.80 X 2.00	06	0.80 X 2.00
07	1.00 X 2.00	07	1.00 X 2.00
08	0.80 X 2.00	08	0.80 X 2.00
09	0.80 X 2.00	09	0.80 X 2.00
10	1.00 X 2.00	10	1.00 X 2.00
11	1.00 X 2.00	11	1.00 X 2.00
12	1.00 X 2.00	12	1.00 X 2.00

SECTIONAL ENGINEER
 J. J. School of Art Section,
 (P.W.D.), Mumbai

Asstt. Engineer (G-1)
 East Sub - Division (P.W.D.),
 Parel, Mumbai - 12.

ALL DIMENSIONS ARE IN METRE.
PUBLIC WORK DEPARTMENT
 CENTRAL MUMBAI DIVISION WOPRL, MUMBAI
 2nd Floor Detailed Plan For Ephinstone Technical
 School a S.T. College, Mumbai.

EXECUTIVE ENGINEER CENTRAL MUMBAI DIVISION WOPRL
 SUB-DIVISIONAL ENGINEER, EAST SUB-DIVISION, PAREL
 SECTIONAL ENGINEER EAST SUB-DIVISION PAREL

SCALE: 1/250
 PRG. NO. KOL/PWD/006
 DATE: 24-09-2014
 SURVEYED & PREPARED BY: **KOMAL ENGINEERING**
 1/5 ROOPALI NIVAS, OPP. MUNICIPAL SCHOOL, BHANDUP VILLAGE (E), MUMBAI-400042.
 MOB: 9822841329 / 9254019565 / 9890411022 OFFICE: 022-25661343

SURVEYED BY: **RAKESH BIND.**
 DRAWN BY: **SACHIN PATIL**
 CHECKED BY: **T.B. PATIL**

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

NOTE: ALL DIMENSIONS ARE IN METERS

CLIENT: **PUBLIC WORK DEPARTMENT**
CENTRAL, MUMBAI DIVISION WORK, MUMBAI

NAME OF WORK: Detailed Plan Elphinstone Technical School, and S.T. College, Mumbai.

[Signature]
SECTIONAL ENGINEER
J. J. School of Art Section,
(P.W.D.), Mumbai

[Signature]
Asstt. Engineer, (P-1)
East Sub - Division (P.W.D.)
Parel, Mumbai - 12.

FIRST FLOOR

EXECUTIVE ENGINEER, CENTRAL MUMBAI DIVISION WORK

SUB-DIVISIONAL ENGINEER, EAST SUB-DIVISION, PAREL

SECTIONAL ENGINEER, EAST SUB-DIVISION, PAREL

SCALE: 1:250

DRG. NO: MAP/PWD/ET/204

DATE: 24-05-2014

SUPERVISED BY: RAKESH BIND

DRAWN BY: SACHIN PATIL

CHECKED BY: T.B. PATIL

PREPARED & PRESENTED BY: **KOMAL ENGINEERING**

1/5 ROOPAL NIVAS, OPP. MUNICIPAL SCHOOL, BHANDAR VILLAGE @ MUMBAI-400042

MOB: 9820511123 / 9328481956 / 988041022 OFFICE: 022-25661345

ON Land Bearing Survey No. 1469, Sheet No. 77, 86 (Part of 6A73)

AREA SHOWING UNDER SECONDARY TRAINING COLLEGE MUMBAI

3, Mahapalika Marg, Dhooli Talao, Elphinstone Technical School, Mumbai

Block - Up Area - 709, 710 Sqm. (7023 Sq Sqft)

Campus Area - 525230 Sqm. (551131 Sqft)

TYPE	SIZE OF WINDOW	DESCRIPTION
W1	1.8 X 1.2	Aluminum/Glass
W2	1.8 X 1.2	Aluminum/Glass
W3	1.2 X 1.2	Wooden/Glass
W4	2.0 X 1.2	Aluminum/Glass
W5	1.8 X 1.2	Wooden/Glass
W6	2.7 X 1.8	Aluminum/Glass
W7	1.8 X 1.2	Wooden
W8	1.8 X 1.8	Wooden/Glass
W9	2.7 X 1.8	Wooden/Glass
W10	2.0 X 1.2	Wooden/Glass
W11	1.8 X 1.2	Wooden/Glass
W12	1.8 X 1.2	Wooden/Glass
W13	1.8 X 1.2	Wooden/Glass

TYPE	SIZE OF DOOR	DESCRIPTION
D1	1.4 X 2.0	Wooden
D2	2.0 X 2.0	Wooden
D3	1.8 X 2.0	Wooden/Glass
D4	2.7 X 2.0	Wooden
D5	1.8 X 2.0	Wooden
D6	1.4 X 2.0	Wooden
D7	1.4 X 2.0	W.C.
D8	2.0 X 2.0	Wooden
D9	2.0 X 2.0	Wooden
D10	2.0 X 2.0	Wooden/Glass
D11	2.0 X 2.0	Wooden
D12	2.0 X 2.0	Wooden
D13	2.0 X 2.0	Wooden/Glass
D14	2.0 X 2.0	Wooden
D15	2.0 X 2.0	Wooden
D16	2.0 X 2.0	Wooden
D17	1.8 X 2.0	Wooden/Glass
D18	1.8 X 2.0	Wooden/Glass
D19	1.8 X 2.0	Wooden/Glass
D20	1.8 X 2.0	Wooden/Glass

9. Government Resolution for Govt. Boys Hostel, Telang Hostel and Savitribai Phule Girls Hostel

Govt G.R.

सावित्रीबाई फुले महिला छात्रालय, मुंबई, तेलंग स्मारक मुलींचे वसतिगृह, चर्चगेट, मुंबई
तसेच शासकीय महाविद्यालये मुलांचे वसतिगृह, चर्चगेट, मुंबई व
इस्मार्शल युसुफ महाविद्यालय वसतिगृह, जोगेश्वरी, मुंबई
सुधारित प्रवेश नियम... २००२-०३

महाराष्ट्र शासन

उच्च व तंत्रशिक्षण विभाग

शासन निर्णय क्र.शाबगृ २००२/(३४५/०२)/मशि-१

मंत्रालय विस्तार भवन, मुंबई-४०० ०३२.

दिनांक : २६ जुलै, २००२.

- पहा :- १) शासन निर्णय, उच्च व तंत्रशिक्षण आणि वेगवेगळे विभाग क्र. जंतीरक १०१४/१४८/मशि-४, दिनांक २० डिसेंबर, १९९४.
- २) शासन निर्णय, उच्च व तंत्रशिक्षण विभाग क्र. तेलंग १०१९/२११/मशि-४, दिनांक २४ ऑगस्ट, १९९९.
- ३) शासन निर्णय, उच्च व तंत्रशिक्षण विभाग क्र. आय.आय-१०१९/२२४/मशि-४, दिनांक १५ सप्टेंबर, १९९९.
- ४) शासन निर्णय, उच्च व तंत्रशिक्षण विभाग क्र. शाबगृ २००२/३४५/०२/मशि-१, दिनांक २२ जुलै, २००२.
- ५) कार्यवाहीचा आदेश, उच्च व तंत्रशिक्षण विभाग-क्र. शाबगृ २००२/३४५/०२/मशि-१, दिनांक २३ जुलै, २००२.

शासन निर्णय

मुंबई अटॅरनी व विशेषतः ग्रामीण भागातून महाविद्यालयीन शिक्षण घेण्यासाठी मुंबईत येणा-य विद्यार्थ्यांची मुंबईत निवासाची सोय होणे अत्यंत कठीण असते आणि म्हणून या विद्यार्थ्यांच्या निवासाच्या सोयीसाठी शासनाने मुंबईत मुलांसाठी २ व मुलींसाठी २ अशी खालीलप्रमाणे ४ शासकीय वसतिगृहांची सोय केलेली आहे :-

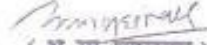
- १) शासकीय महाविद्यालये वसतिगृह, सी-रोड, चर्चगेट, मुंबई-२०.
 - २) शासनाचे इस्मार्शल युसुफ महाविद्यालय वसतिगृह, जोगेश्वरी, मुंबई-६०.
 - ३) सावित्रीबाई फुले महिला छात्रालय, चर्चगेट, मुंबई.
 - ४) शासनाने तेलंग स्मारक मुलींचे वसतिगृह, सी-रोड, चर्चगेट, मुंबई-२०.
१. तेलंग स्मारक मुलींचे वसतिगृह हे मुलांच्या वसतिगृहांचे मुलींच्या वसतिगृहात रूपांतर करून २००२-०३ पासून सुरू करण्यात आले असून त्यासंदर्भातील निर्णय व वसतिगृहातील जागांचे पुनर्वितरण यासंबंधीचा निर्णय वर अनुक्रमांक ४ येथे दर्शविण्यात आलेल्या शासन निर्णयाद्वारे घेण्यात आलेला आहे. यासंबंधीत प्रशासकीय आदेशाची वर अनुक्रमांक ५ येथे दर्शविण्यात आलेल्या दिनांक २३ जुलै, २००२ च्या कार्यवाहीचा आदेशाद्वारे निर्गमित करण्यात आले आहेत. सदर आदेशांच्या अनुषंगाने

... २ ...

वरील वसतिगृहामध्ये प्रवेश देण्यासंदर्भात सध्या प्रचलित असणा-या नियमांमध्ये सुधारणा करण्याचा प्रश्न शासनाच्या विचाराधीन होता.

२. शासन आता या निर्णयामोबत जोडण्यात आलेल्या परिशिष्टात दर्शविण्यात आलेल्याप्रमाणे ; शासकीय महाविद्यालये वसतिगृह, सी-रोड, चर्चगेट, मुंबई, शासनाचे इस्माईल बुसुफ महाविद्यालय, वसतिगृह, जोगेश्वरी, मुंबई, सवित्रीदेवी फुले महिला छात्रालय, चर्चगेट, मुंबई, शासनाचे तेलंग स्मारक मुस्लीचे वसतिगृह, सी-रोड, चर्चगेट, मुंबई यांमधील प्रवेश नियम २००२-०३ पासून सुधारित करण्यास मंजूरी देत आहे.

महाराष्ट्राचे राज्यपाल यांच्या अदेशानुसार व नावामे,


(अ. मा. भट्टलवार)

उप सचिव, महाराष्ट्र शासन

प्रति,

शिक्षण संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे.

सह संचालक, उच्च शिक्षण, मुंबई विभाग, मुंबई.

प्रचार्य, सिडनहॉम वाणिज्य व अर्थशास्त्र महाविद्यालय, चर्चगेट, मुंबई.

संचालक, सिडनहॉम व्यवस्थापकीय संस्था, चर्चगेट, मुंबई.

प्रचार्य, एल्फिन्स्टन महाविद्यालय, मुंबई.

प्रचार्य, शासकीय विधी महाविद्यालय, मुंबई.

संचालक, शासकीय विज्ञान संस्था, मुंबई.

संचालक, राज्य प्रशासकीय व्यवसाय शिक्षण संस्था, मुंबई.

प्रचार्य, शासकीय अध्यापक महाविद्यालय, मुंबई.

प्रचार्य, शासकीय व्यवसाय मार्गदर्शन संस्था, मुंबई.

अधीक्षक, शासकीय महाविद्यालये वसतिगृह, सी-रोड, चर्चगेट, मुंबई - २०.

अधीक्षक, शासनाचे तेलंग स्मारक वसतिगृह, सी-रोड, चर्चगेट, मुंबई - २०.

अधीक्षक, शासनाचे इस्माईल बुसुफ महाविद्यालय वसतिगृह, जोगेश्वरी, मुंबई - ६०.

अधीक्षक, सवित्रीदेवी फुले महिला छात्रालय, चर्चगेट, मुंबई.

महासची सचिव, पी.टी. उच्च व तंत्रशिक्षण,

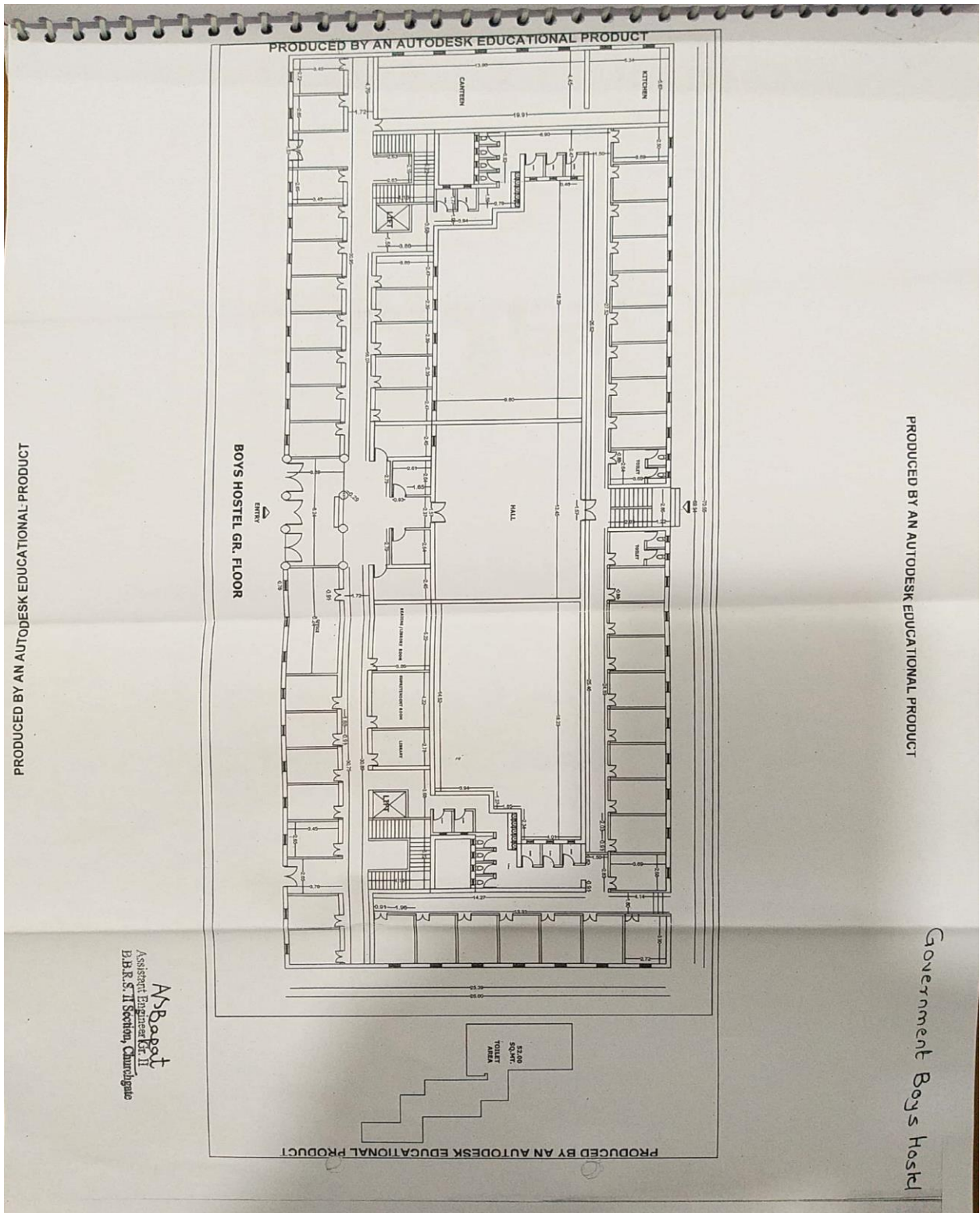
आचार्य सचिव, राज्यांनी, उच्च व तंत्रशिक्षण,

राज्य शासनाच्या, सचिव, उच्च व तंत्रशिक्षण.

पत्ता : शासनाचे उच्च शिक्षण विभाग, सचिव, उच्च व तंत्रशिक्षण, राज्यांनी, उच्च व तंत्रशिक्षण, मुंबई.

फोन : २३५६६६६६ (२३५६६६६६)

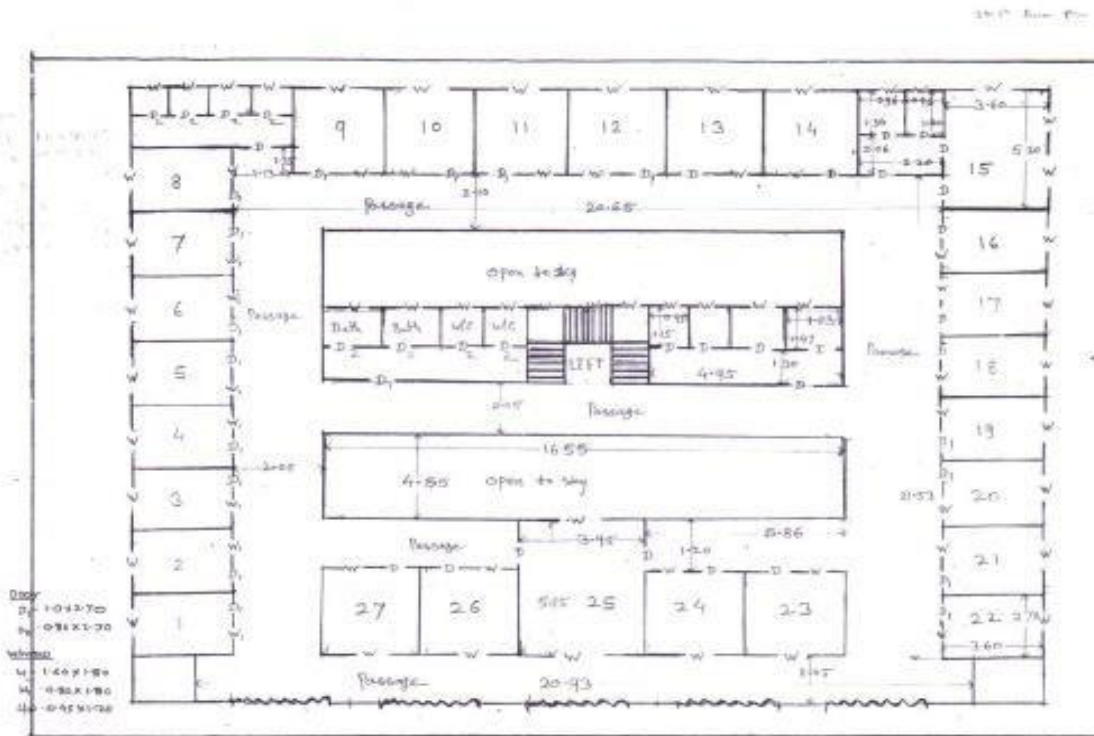
10. Map of Existing Buildings of Govt. Boys Hostel





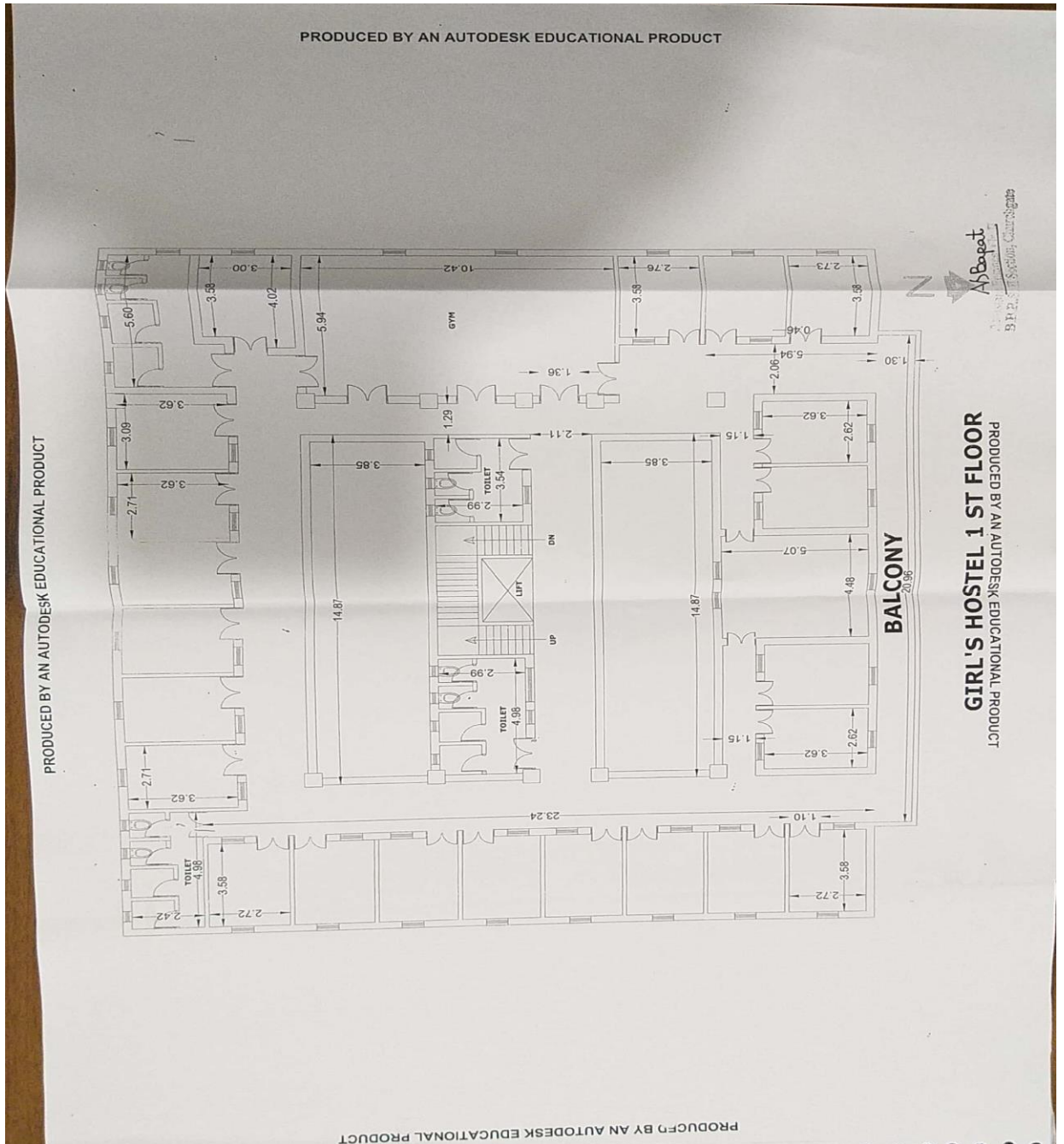
11. Map of Existing Buildings of Telang Hostel

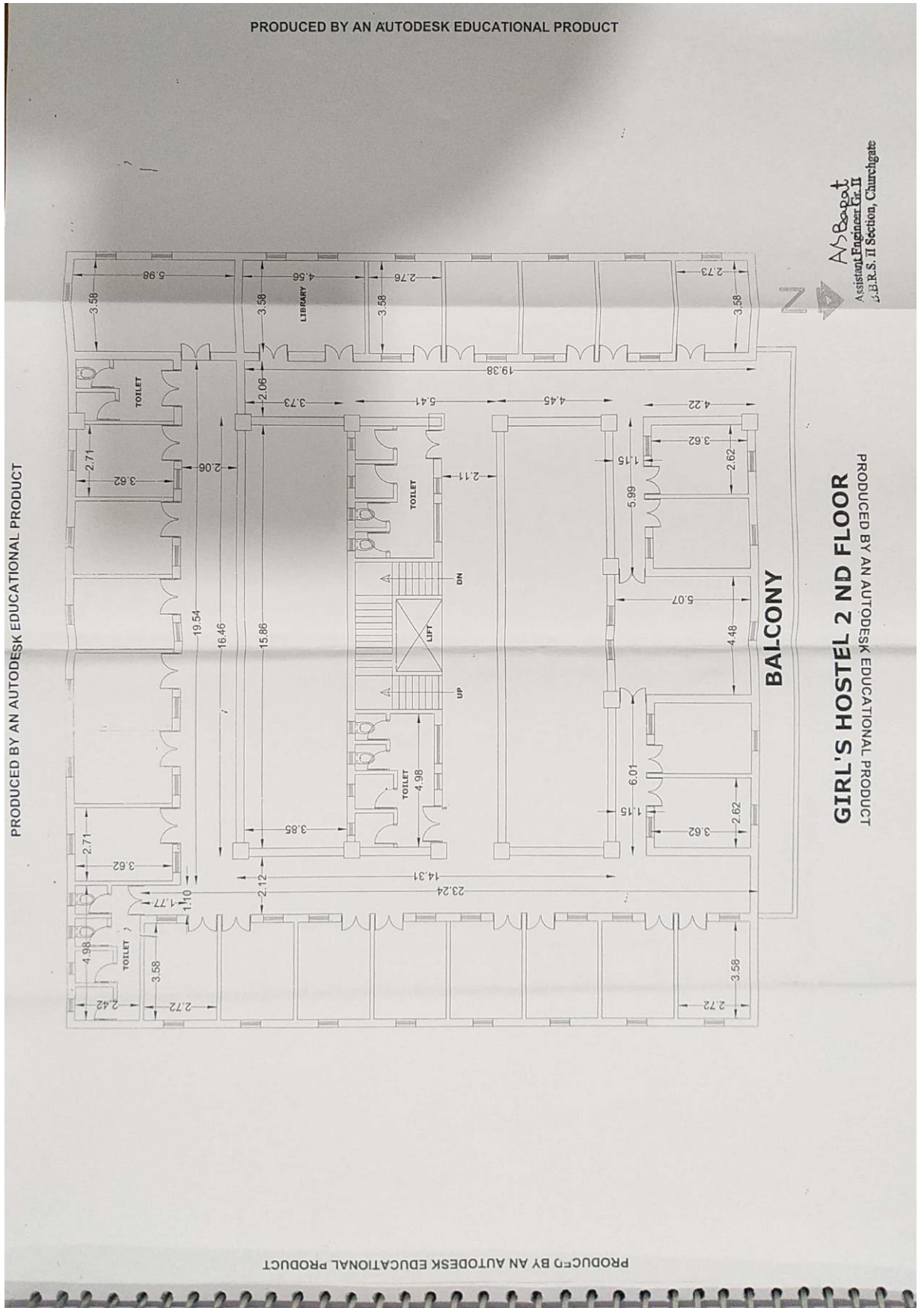
Telang Hostel Maps



Telang Hostel Bldg - 3rd floor to 5th floor Plan

12. Map of Existing Buildings of Savitribai Phule Girls Hostel





Annexure 2: Block Estimates of proposed Renovation/Upgradation work

1. Institute of Science



उप अभियंता यांचे कार्यालय
मध्य (सा.बां.) उपविभाग,
मुंबई.

०२२-२२०२१९६१

Email : desouths@mahapwd.com

जा. क्र. मध्य/०२४३ /२०१८

दिनांक : २३/०७/२०१८

प्रति,

संचालक,
विज्ञान संस्था,
मुंबई.

विषय :- विज्ञान संस्था, मुंबई येथील (तळ मजला ते पाचवा मजला) प्रयोगशाळा कक्ष कॉन्फिरेन्स हॉल कर्मचाऱ्यांसाठी अद्ययावत मॉड्युलर फर्निचर इत्यादी नुतनीकरण करणे.

संदर्भ :- १) संचालक, विज्ञान संस्था, मुंबई यांचे कार्यालयीन पत्र क्र.

उपरोक्त संदर्भिय पत्रान्वये, मा. संचालक, विज्ञान संस्था, मुंबई यांचे दालनात दि. ०२/११/२०१५ रोजी झालेल्या बैठकीत प्रत्यक्ष सुचना केल्याप्रमाणे प्रयोगशाळा कक्ष कॉन्फिरेन्स हॉल कर्मचाऱ्यांसाठी अद्ययावत मॉड्युलर फर्निचर इत्यादी नुतनीकरणाची माहिती सादर करावयाची असल्यामुळे बाजार भावाप्रमाणे ढोबळ दर अंतर्भूत करून ढोबळ अंदाजपत्रक तयार करण्यात आलेले आहे. सादर अंदाजपत्र आपल्या माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी सादर.

सोबत : ढोबळ अंदाजपत्रक २ प्रतीत.

उप अभियंता
मध्य (सा.बां.) उपविभाग,
मुंबई.

GOVERNMENT OF MAHARASHTRA



PUBLIC WORKS DEPARTMENT

BLOCK ESTIMATE (2017-18)

Name of work :-	M.O.W. to Renovation and Providing Modular office Furniture including Sunmica face parititon, Wall storage unit, Chairs, Cubical Partition, Law Ht. Including Sunmica face office table, side table, office furniture, Sunmica face Wall Panelling including Modular Platform including sunmica shutter, necessary hardware and fittings etc. at Institute of Science, Mumbai.
Reference :-	
Estimated Cost :-	Rs. 30,010,032.00


Executive Engineer,
Presidency Division, Mumbai.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- M.O.W. to Renovation and Providing Modular office Furniture including Sunmica face parititon, Wall storage unit, Chairs, Cubical Partition, Law It. Including Sunmica face office table, side table, office furniture, Sunmica face Wall Panelling including Modular Platform including sunmica shutter, necessary hardware and fittings etc. at Institute of Science, Mumbai.

(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
1196.00 Sq.feet	1	Providing Modular office Furniture including Sunmica face parititon, Wall storage unit, Chairs, Cubical Partition, Law It. Including Sunmica face office table, side table, office furniture, Sunmica face Wall Panelling including Modular Platform including sunmica shutter, necessary hardware and fittings etc. Complete.			
		(As per Statement)	20400.00	Sq.ft	24398400.00
				Rs.	24398400.00
				Add 12% G.S.T.	2927808
				Add 11% Electrical charges	2683824
				Grand Total Rs.-	30010032.00
				Say Rs.	30010032.00


 Deputy Engineer,
 Central Sub Division, Mumbai

Executive Engineer,
 Presidency Division, Mumbai



उप अभियंता यांचे कार्यालय
दक्षिण (सा.बा.) उपविभाग,
(एम.टी.डी.सी.कार्यालयासमोर) मादाम कामा रोड, मुंबई-४०० ०३२.

०२२-२२०२१९६१

Email : desouths@mahapwd.com

जा. क्र. दक्षिण/2300/२०१५

Bhamburda College
Mumbai
Inward: 5511
Date: 24/11/2015
File No:


दिनांक : 23/11/2015

प्रति,
प्राचार्य,
एलफिस्टन महाविद्यालय,
मुंबई.

विषय :- महाविद्यालयास राष्ट्रीय उच्चतर शिक्षण अभियानांतर्गत प्राप्त होणाऱ्या निधीतुन महाविद्यालयात करावयाच्या नुतनीकरण व सुधारणेच्या लघुबांधकामाकरीता ढोबळ मानाने अंदाजपत्रके देणेबाबत.

संदर्भ :- आपले कार्यालयीन पत्र क्र. एमवि/आस्था-१/राउसिअ/लघुकामे - नुतनीकरण/अंदाजपत्रक/२०१५-१६/१३२८ दि. ७/११/२०१५.

सन २०१५-२०१६ या अर्थिक वर्षात महाविद्यालयासाठी राष्ट्रीय उच्चतर शिक्षण अभियानांतर्गत महाविद्यालयात करावयाच्या नुतनीकरण व सुधारणेच्या लघुबांधकामाकरीता उपलब्धता होणाऱ्या निधीमधून आपण पत्रासोबत दिलेल्या यादीमधील कामांची ढोबळ अंदाजपत्रके तयार करुन, प्रशासकीय मान्यता व निधी उपलब्धतेसाठी सादर करण्यांत येत आहेत.


उप अभियंता,
दक्षिण (सा.बा.) उपविभाग,
मुंबई.


24/11

डॉ. गिरी
mle
24-11-15

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Furniture, Platform, storage unit, sunmica face partition, sanitary and water supply fitting and Vitrified tiled dado and platform below stainless steel jali, All. window, wall Storage unit in Micro biology Deptt. in Elphistone College, Mumbai.

(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
248.69 Smt.	1	Providing and fixing granite platform, granite platform sink including below stainless steel jali, Alluminium Sliding window with granite frameing all powder coated jali with sunmica face low ht. partition for small cubical including office Table and Officer chairs, wall storage unit, gas piping, vitrified tiled flooring, tiled dado, Polymer plastering, painting, cleaning, removing debris and varandha M.S. grill for protection including necessary accessories etc. complete.	16918.00	Smt.	4207337.42
				Rs.	4207337.42
				Add 4 % Contengency -	168293.50
				Total Rs.-	4375630.92
				Add 5 % Centage charges -	218781.55
				Total Rs.-	4594412.46
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			841467.48
				Grand Total Rs.-	5435879.95
				Say Rs.	5435880.00

MEASUREMENT

Class room	2 x 8.90 x 3.60	= 231.40 Smt.
	1 x 6.80 x 3.70	= 231.40 Smt.
Small hall	1 x 12.80 x 8.90	= 113.92 Smt.
Varandha	1 x 16.26 x 2.80	= 45.53 Smt.
		248.69 Smt.

Deputy Engineer,
South Sub Division, Mumbai


 वाळा नमिबंला
 जी. वे. हाक वाळा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Furniture, Platform and platform below stainless steel jali, All. window, wall Storage unit in Zoology Deptt. in Elphinstone College, Mumbai.


(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
306.44 Smt.	1	Providing and fixing granite platform, granite platform sink including below stainless steel jali, Alluminium Sliding window with granite framing all powder coated jali with sunmica face low ht. partition for small cubical including office Table and Officer chairs, wall storage unit, gas piping, vitrified tiled flooring, tiled dado, Polymer plastering, painting, cleaning, removing debris and varandha M.S. grill for protection including necessary accessories etc. complete.	16918.00	Smt.	5184351.92
				Rs.	5184351.92
			Add 4 % Contengency -		207374.08
			Total Rs.-		5391726.00
			Add 5 % Centage charges -		269586.30
			Total Rs.-		5661312.30
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			1036870.38
			Grand Total Rs.-		6698182.68
			Say Rs.		6698183.00

MEASUREMENT

1 x 26.00 x 8.90	=	231.40 Smt.
1 x 26.80 x 2.80	=	75.04 Smt.
		306.44 Smt.

Deputy Engineer,
South Sub Division, Mumbai


डा. जे. होमि भाभा
डी. जे. होमि भाभा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Furniture, Platform, Storage unit in Fr. & Sr. Chemistry Laboratory on 2nd floor in Elphistone College, Mumbai.


(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
308.90 Smt.	1	Providing and fixing granite platform, granite platform sink including wall storage unit and sunmica face partition and office furniture, Tables, Chairs and False ceiling, Pigon Jali and window jali including vitrified tiled flooring, tiled dado 8'-0" to wall including Laboratory cock including sanitary, water supply and draiange system including wall plastering, door & windows replacing, painting etc. complete including gas pipe lining and necessary accessories etc. complete.	12742.00	Smt.	3936003.80
				Rs.	3936003.80
				Add 4 % Contengency -	157440.15
				Total Rs.-	4093443.95
				Add 5 % Centage charges -	204672.20
				Total Rs.-	4298116.15
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			787200.76
				Grand Total Rs.-	5085316.91
				Say Rs.	5085317.00

MEASUREMENT

2 x 12.00 x 8.70	=	208.80 Smt.
1 x 26.00 x 3.85	=	100.10 Smt.
		308.90 Smt.

Deputy Engineer,
South Sub Division, Mumbai


बाबा कमलेश
बी. वे. हील बाबा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Providing Furniture and wall storage unit in Deptt of English in Elphistone College, Mumbai.

(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
12.25	1	Providing Gypsum board false ceiling with wall plastering, painting and furniture with wall storage unit and false ceiling 2" G.I. pipe line including necessary accessories etc. complete.			
			6600.00	Smt.	80850.00
				Rs.	80850.00
				Add 4 % Contengency -	3234.00
				Total Rs.-	84084.00
				Add 5 % Centage charges -	4204.20
				Total Rs.-	88288.20
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			16170.00
				Grand Total Rs.-	104458.20
				Say Rs.	104458.00

MEASUREMENT

$$1 \times 3.50 \times 3.50 = 12.25 \text{ Smt.}$$

Deputy Engineer,
South Sub Division, Mumbai



बाबा अभिंता
जी. बे. हॉल बाबा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Providing False ceiling, wall storage unit, wall plastering and painting to Sociology Deptt. on 2nd floor at Elphistone College, Mumbai.


(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
23.40 Smt.	1	Providing Gypsum board false ceiling with wall plastering, painting and furniture with wall storage unit and false ceiling 2" G.I. pipe line including necessary accessories etc. complete.	7832.00	Smt.	183268.80
				Rs.	183268.80
			Add 4 % Contengency -		7330.75
			Total Rs.-		190599.55
			Add 5 % Centage charges -		9529.98
			Total Rs.-		200129.53
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			36653.76
			Grand Total Rs.-		236783.29
			Say Rs.		236783.00

MEASUREMENT

$$1 \times 3.90 \times 6.00 = 23.40 \text{ Smt.}$$

Deputy Engineer,
South Sub Division, Mumbai


बाबा कमलता
जी. से. हाँक बाबा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Providing False ceiling, necessary furntiure in EVS & Mathematics Deptt. on 2nd floor at Elphistone College, Mumbai.

(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
28.27 Smt.	1	Providing Gypsum board false ceiling with 2" dia. G.I. pipe support for ceiling, False ceiling support with necessary wall plastering and painting including office furniture with necessary accessories and with Air conditioning system etc. complete.	8462.00	Smt.	239220.74
				Rs.	239220.74
				Add 4 % Contengency -	9568.83
				Total Rs.-	248789.57
				Add 5 % Centage charges -	12439.48
				Total Rs.-	261229.05
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			47844.15
				Grand Total Rs.-	309073.20
				Say Rs.	309073.00

MEASUREMENT

$$1 \times 9.75 \times 2.90 = 28.27 \text{ Smt.}$$

Deputy Engineer,
South Sub Division, Mumbai

बाबा कपिलदा
बी. वे. हाँक नाबा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Providing False ceiling and wall storage unit in Statics Deptt. on 2nd floor at Elphistone College, Mumbai.

(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
33.28 Smt.	1	Providing Gypsum board false ceiling with 2" dia G.I. pipe for ceiling support, False ceiling support with necessary wall storage unit and necessary Air-tight room with Air conditioning system and necessary flooring, plastering, painting etc. complete.	7664.90	Smt.	255087.87
				Rs.	255087.87
		Add 4 % Contengency -			10203.51
		Total Rs.-			265291.39
		Add 5 % Centage charges -			13264.57
		Total Rs.-			278555.96
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			51017.57
		Grand Total Rs.-			329573.53
		Say Rs.			329574.00

MEASUREMENT

$$1 \times 5.20 \times 6.40 = 33.28 \text{ Smt.}$$

Deputy Engineer,
South Sub Division, Mumbai



बाबा जयिंता
जी. वे. हांड बाबा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Providing Computer Library for False ceiling, wall storage unit and sunmica face partition and computer counter to Room No. 110 on 1st floor at Elphistone College, Mumbai.


(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
21.90 Smt.	1	Providing computer Counter with sunmica face external side partition and finishing including G.I. M.S. plated with ceiling support 2" G.I. pipe support for ceiling including Gypsum board false ceiling, wall storage unit, plastering, painting, low height sunmica face partition etc. with sun control film for window & partition closer etc. complete.	15683.00	Smt.	343457.70
				Rs.	343457.70
		Add 4 % Contengency -			13738.31
		Total Rs.-			357196.01
		Add 5 % Centage charges -			17859.80
		Total Rs.-			375055.81
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			68691.54
		Grand Total Rs.-			443747.35
		Say Rs.			443747.00

MEASUREMENT

$$1 \times 3.65 \times 6.00 = 21.90 \text{ Smt.}$$

Deputy Engineer,
South Sub Division, Mumbai


बाबा जयिबला
जी. वे. हाँक बाबा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Providing sunmica face partition, false ceiling including Air-tight door and tiled flooring in Room No. 114, Information Technology Deptt. on 1st floor at Elphistone College, Mumbai.


(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
67.68 Smt.	1	Providing 2" G.I. pipe support for ceiling with G.I. suspended and 2" for pipe for Electronic installation including Gypsum board false ceiling with sunmica face partition with Air-tight doors and windows including Vitrified flooring, Wall panelling, Painting and necessary accessories etc. complete.	7664.90	Smt.	518760.43
				Rs.	518760.43
		Add 4 % Contengency -			20750.42
		Total Rs.-			539510.85
		Add 5 % Centage charges -			26975.54
		Total Rs.-			566486.39
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			103752.09
		Grand Total Rs.-			670238.48
		Say Rs.			670238.00

MEASUREMENT

$$1 \times 18.80 \times 3.60 = 67.68 \text{ Smt.}$$

Deputy Engineer,
South Sub Division, Mumbai


बाबा बाभयता
जी. वे. हांड बाबा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Name of Work :- MOW to Library Student Computer Table and Book Counter and Storage, Low level cubical for Library on 1st floor at Elphistone College, Mumbai.

(BLOCK ESTIMATE)

Quantity	Item No.	Item	Rate	Per	Amount
36.00 Smt.	1	Providing Computer Counter for Library Student with 'U' shape low height sunmica face partition including rack with long book counter below rack including sunmica face storage unit and forway compactor system for storage record system including melamine polishing to doors, window and Entrance M.S. grill gate including necessary accessories etc. complete.	28783.00	Smt.	1036188.00
				Rs.	1036188.00
			Add 4 % Contengency -		41447.52
			Total Rs.-		1077635.52
			Add 5 % Centage charges -		53881.78
			Total Rs.-		1131517.30
		Add Civil Cost 20% Elecrical Equipment, Wiring & compound street light cost-			207237.60
			Grand Total Rs.-		1338754.90
			Say Rs.		1338755.00

MEASUREMENT

3 X 2 X 4.00 X 1.50 = 36.00 Smt.

Deputy Engineer,
South Sub Division, Mumbai


श्री. बी. हनु बाबा

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Recapitulation Sheet

Name of Work :- Renovation of Lecture Hall, Class Room, Offices and Laboratory at Elphistone College, Mumbai.

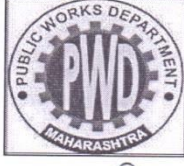
Sub Estimate No.	Name of work		Amount
1	MOW to Library Student Computer Table and Book Counter and Storage, Low level cubical for Library on 1st floor at Elphistone College, Mumbai.	Rs.	1338755.00
2	MOW to Providing sunmica face partition, false ceiling including Air-tight door and tiled flooring in Room No. 114, Information Technology Deptt. on 1st floor at Elphistone College, Mumbai.	Rs.	670238.00
3	MOW to Providing Computer Library for False ceiling, wall storage unit and sunmica face partition and computer counter to Room No. 110 on 1st floor at Elphistone College, Mumbai.	Rs.	443747.00
4	MOW to Providing False ceiling and wall storage unit in Statics Deptt. on 2nd floor at Elphistone College, Mumbai.	Rs.	329574.00
5	MOW to Providing False ceiling, necessary furniture in EVS & Mathematics Deptt. on 2nd floor at Elphistone College, Mumbai.	Rs.	309073.00
6	MOW to Providing False ceiling, wall storage unit, wall plastering and painting to Socology Deptt. on 2nd floor at Elphistone College, Mumbai.	Rs.	236783.00
7	MOW to Providing Furniture and wall storage unit in Deptt of English in Elphistone College, Mumbai.	Rs.	104458.00
8	MOW to Furniture, Platform, Storage unit in Fr. & Sr. Chemistry Laboratory on 2nd floor in Elphistone College, Mumbai.	Rs.	5085317.00
9	MOW to Furniture, Platform and platform below stainless steel jali, All. window, wall Storage unit in Zoology Deptt. in Elphistone College, Mumbai.	Rs.	6698183.00
10	MOW to Furniture, Platform, storage unit, sunmica face partition, sanitary and water supply fitting and Vitrified tiled dado and platform below stainless steel jali, All. window, wall Storage unit in Micro biology Deptt. in Elphistone College, Mumbai.	Rs.	5435880.00
		Rs.	20652008.00

Deputy Engineer
South Sub Division, Mumbai.



बाबा अभियंता
बी. वे. हाँक बाबा

3. Sydenham College



उप अभियंता यांचे कार्यालय

०२२-२३६१९३४

दखिण (सा.बां.) उपविभाग,

मलबार हिल, मुंबई - ४०० ००६.

Email : dewsdmh@yahoo.com

जा. क्र. दखिण.१.२०२१ /२०१५

दिनांक : २१/११/२०१५

प्रति,

कार्यकारी अभियंता,
इलाखा शहर विभाग,
मुंबई.

विषय :- रुसा योजनेअंतर्गत शासनाला आराखडा सादर करण्यासाठी मुद्देनिहाय अंदाजपत्रक तयार करुन मिळणेबाबत.

संदर्भ :- प्राचार्य, सिडनहॅम वाणिज्य व अर्थशास्त्र महाविद्यालय, बी-रोड, चर्चगेट, मुंबई यांचे पत्र क्र. सिडन/आस्था/२०१४-१५/९८८ दि. ८/५/२०१५.

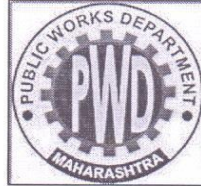
उपरोक्त संदर्भिय पत्रानुसार केलेल्या मागणीप्रमाणे चर्चगेट, मुंबई येथील सिडनहॅम वाणिज्य व अर्थशास्त्र महाविद्यालय येथे करावयाच्या आधुनिकीकरणाच्या कामासाठी येण्याच्या खर्चाचे रु. १,९९,९६,५७०/- एवढ्या रकमेचे गौण बांधकामाचे ढोबळ अंदाजपत्रक तयार करुन प्रशासकीय मान्यता व निधी उपलब्ध करुन देण्यासाठी सादर करण्यांत येत आहे.

तरी कृपया तांत्रिक छाननी होऊन विहित मार्गाने प्रशासकीय मान्यता व निधी उपलब्धतेसाठी प्राचार्य, सिडनहॅम वाणिज्य व अर्थशास्त्र महाविद्यालय, बी-रोड, चर्चगेट, मुंबई यांचेकडे सादर होण्यास विनंती.

उप अभियंता,
दखिण उप विभाग,
मुंबई.

GOVERNMENT OF MAHARASHTRA

PUBLIC WORKS DEPARTEMENT



BLOCK ESTIMATE

Name of Work :- Renovation of Class Room, Library and
Gymkhana of Sydenham College at
Churchgate, Mumbai.

Amount :- Rs. 1,99,96,570/-

Executive Engineer,
Presidency Division, Mumbai.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

ABSTRACT

WB - 79

Name of work : Renovation of Class Room, Library and Gymkhana of Sydenham College at Churchgate, Mumbai.

Qty.	Description of Item	Rate	Unit Per	Amount
1092.47 Square Metres	1. Removing old C.C., Plaster, Door, Window, False ceiling, Waterproofing, Chipping, Providing C.I. pipe, Precoated G.I. sheet roof, Pirming cum bonding coat, Polymer mortar, 12mm & 20mm Cement plaster, CTW Panned door, frame, ventilator, Alluminium sliding, Louvered, openable and fixed panelled window, Kotah stone flooring, Rectified & Vitrified tiles flooring, PVC flooring, Structural steel work, mild steel grill, CC M-15, Flat oil paint, exterior Acrylic latex paint, oil painting, erecting scaffolding, Providing orrisa WC Pan, W.H.B., Bib & Stop tap, P/modular and Gypsum board false ceiling, woolen carpet, P/Granite stone, RAK finish decorative type tiles, Plank flooring, wall finish luster, Lowering down and Removing debris etc. complete. (MuCir DSR P-0/ I-0)	16000.00	Smt.	17479519.53
		Total Rs. :		17479519.53
		Add :- 4% Contingency Rs.		699180.78
		Total Rs.		18178700.31
		Add :- 10% Electrification charges Rs.		1817870.03
		Total Rs.		19996570.34
		Say Rs. :		19996570.00


SUB-DIVISIONAL ENGINEER
SOUTH SUB-DIVISION (P.W.D.)
MUMBAI.

Executive Engineer
Presidency Division, Mumbai.

4. Secondary Training College

There is no Civil Work proposed at Secondary Training College, the 28 lakhs mentioned in the renovation table is to be used for Smart Classroom

Annexure 3: Block Estimates for new proposed building (Administrative Area and common facilities)



उप अभियंता यांचे कार्यालय
मध्य (सा.वां.) उपविभाग,
मुंबई.

०२२-२२०२१९६१

Email : desouths@mahapwd.com

जा. क्र. मध्य/ १२४२ /२०१८

दिनांक : २३/०७/२०१८

प्रति,

संचालक,
विज्ञान संस्था,
मुंबई.

विषय :- विज्ञान संस्था, मुंबई येथे उपहारगृह व जिमखाना वॅरिक्सच्या येथे आर.सी.सी बांधकामे करून (तळमजला ते पाच मजला) प्रशासकीय इमारत, उपहारगृह जिमखाना व प्रयोगशाळा इमारत बांधणे.

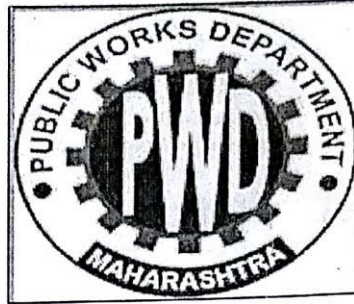
संदर्भ :- १) संचालक, विज्ञान संस्था, मुंबई यांचे कार्यालयीन पत्र क्र.

उपरोक्त संदर्भिय पत्रान्वये, मा. संचालक, विज्ञान संस्था, मुंबई यांचे दालनात दि. ०२/११/२०१५ रोजी झालेल्या बैठकीत प्रत्यक्ष सुचना केल्याप्रमाणे मंत्रालयीन स्तरावर उपरोक्त इमारत बांधण्याबाबतची माहिती सादर करावयाची असल्यामुळे बाजार भावाप्रमाणे ढोबळ दर अंतर्भूत करून ढोबळ अंदाजपत्रक तयार करण्यात आलेले आहे. सादर अंदाजपत्र आपल्या माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी सादर.

सोबत : ढोबळ अंदाजपत्रक २ प्रतीत.

उप अभियंता
मध्य (सा.वां.) उपविभाग,
मुंबई.

GOVERNMENT OF MAHARASHTRA



PUBLIC WORKS DEPARTMENT

BLOCK ESTIMATE (2017-18)


<u>Name of work</u> :-	M.O.W. to Student Gymkhana Canteen and Administration bldg. (Gr. to 5 th Floor) and Internal Modular Furniture and Cubical and Laboratory block at Institute of Science Bldg Compound @ Madam Cama Road, Mumbai - 400 032.
Reference :-	
Estimated Cost :-	Rs. 50,19,63,00/-

**Executive Engineer,
Presidency Division, Mumbai.**

Name of Work :- M.O.W. to Student Gymkhana Canteen and Administration bldg. (Gr. to 5th Floor) and Internal Modular Furniture and Cubical and Laboratory block at Institute of Science Bldg Compound @ Madam Cama Road, Mumbai – 400 032.

CERTIFICATE

1. Certified that the estimates are prepared according to the physical norms stipulated for each and every component of the work as per standard laid down in the Standard Specification.
2. Certified that the project has been scrutinized and it is verified that the various provisions made therein are technically adequate and the estimate proposed is considered to be technically sound.
3. Certified that the estimate is based on the D.S.R. of 2017-2018 of Presidency Division
4. Certified that 100% arithmetically the material check is exercised in this office on the above estimate and found to be correct.
5. The rates adopted in framing the Estimate are reasonable and detail estimate cost will not exceed 10% of cost, proposed in this estimate.


Deputy Engineer,
Central Sub Division,
Mumbai.

Executive Engineer,
Presidency Division,
Mumbai.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

**Tentative List for Insdtruments to be purchased under Cluster university (RUSA)
The Institute of Science, Mumbai**

Sr. No.	Name of Equipment required	Quantity	Approximate cost(Lakhs)	Applications	Justification
1	High Resolution Electron Microscope(HRTEM)	1	380	Imaging of nanomaterials and Biological samples	It is useful to Physics, Chemistry, Botany, Material Science, Biochemistry, Biotechnology, Environmental Science, Zoology M.Sc. And PhD students to take images of nanomaterials and Biological samples
2	X-ray Photoelectron spectroscopy	1	400	Surface Analysis of organic and inorganic Materials. Determination of Composition and chemical state from surfaces. Depth Profiling for thin film composition. Thin Film Oxide Thickness Measurement	Useful for chemical detection as well as chemical states existing in the composit materials
3	Raman Spectroscopy			To Investigate structural parameters and various bonding	For M.Sc., M. Phil And PhD students and to improve research quality
4	Hydrothermal Synthesis apparatus with pressure and temperature controller	1	10	To synthesize nanomaterials	For M.Sc., M. Phil And PhD students and to improve research quality
5	Ultracentrifuge	1	70	To separate cell organelles and macromolecules	For M.Sc., M. Phil And PhD students and to improve research quality
6	Spin Coater	1	1.4	to deposit thin film	For M.Sc., M. Phil And PhD students and to improve research quality
7	Atomic Layer Deposition System	1	1.1	to deposit thin film	For M.Sc., M. Phil And PhD students and to improve research quality
8	Dektak Profilometer	1	35	To determine Film Thickness	For M.Sc., M. Phil And PhD students and to improve research quality

**Tentative List for Insdtruments to be purchased underCluster university(RUSA)
The Institute of Science, Mumbai**

Sr. No.	Name of Equipment required	Quantity	Approximate cost(Lakhs)	Applications	Justification
9	Nuclear Magnetic Resonance	1	200	To investigate structural parameters and various bonding	For M.Sc., M. Phil And PhD students and to improve research quality
10	2-D gel electrophoresis	1	20	Proteomics studies	For M.Sc., M. Phil And PhD students and to improve research quality
11	Flame Photometer	1	1	detection of Ca, Mg, K, Na, Li from environmental samples	For M.Sc., M. Phil And PhD students
12	Deionised Water Purification System	1	4	Deionised Water for chemical reactions	For M.Sc., M. Phil And PhD students
13	BOD incubator	1	0.5	Incubation for BOD test	For M.Sc., M. Phil And PhD students
14	Jar test Apparatus	1	0.5	Waste water treatment chemistry	For M.Sc., M. Phil And PhD students
15	Digital Water and Soil testing Kit	1	1.5	Waste water analysis Incubation at various temperatures for microbiological studies	For M.Sc., M. Phil And PhD students
16	Microbiological Incubator	1	1		For M.Sc., M. Phil And PhD students
17	Gel Documentation System(Chermidoc)	1	10	Imaging /documentation of nucleic acids and proteins	For M.Sc., M. Phil And PhD students and to improve research quality
18	Growth Chamber	1	4	for plant tissue culture	For M.Sc., M. Phil And PhD students and to improve research quality
19	DNA sequencer	1	150	Essential for DNA sequencing/ Characterisation of genes/ Identification of organisms	For M.Sc., M. Phil And PhD students and to improve research quality
20	NPK analyser	2	4	for analysis of nutrients from soil and water	For M.Sc., M. Phil And PhD students and to improve research quality

**Tentative List for Insdtruments to be purchased under Cluster university (RUSA)
The Institute of Science, Mumbai**

Sr. No.	Name of Equipment required	Quantity	Approximate cost(Lakhs)	Applications	Justification
21	ICP for Heavy metal analyser	1	50	heavy Metal Analysis for taking cross sections of tissues	For M.Sc., M. Phil And PhD students and to improve research quality
22	Ultramicrotome	1	20		For M.Sc., M. Phil And PhD students and to improve research quality
23	Confocal laser	2	10	for photoimaging	For M.Sc., M. Phil And PhD students and to improve research quality
24	Stereomicroscope	5	2	for Microbial Imaging	For M.Sc., M. Phil And PhD students and to improve research quality
25	Fluorescent Microscope	2	5	For Fluorescent biological imaging	For M.Sc., M. Phil And PhD students and to improve research quality
26	Smart Board	3	10	To Teach mathematics Effectively	For M.Sc., M. Phil And PhD students Class room teaching
27	Orbital Shaker Incubator	2	4	For Microbial culturing	For M.Sc., M. Phil And PhD students and to improve research quality
28	PCR Machine	3	9	DNA amplification	For M.Sc., M. Phil And PhD students and to improve research quality
29	UV-spectrophotometer	2	15	For Analytical chemistry	For M.Sc., M. Phil And PhD students and to improve research quality
30	Automatic Protein Purification System	1	50	For Purification of proteins and peptides	For M.Sc., M. Phil And PhD students and to improve research quality
31	Portable cold rooms	2	20	For low temperature experiments of life sciences	For M.Sc., M. Phil And PhD students and to improve research quality
32	Lyophiliser	1	15	for preservation, concentration of microbial cultures , sample drying	For M.Sc., M. Phil And PhD students and to improve research quality
33	High Throughput comet System with tank for 10 slides	1	3	for DNA damage studies	For M.Sc., M. Phil And PhD students and to improve research quality

**Tentative List for Insdtuments to be purchased underCluster university(RUSA)
The Institute of Science, Mumbai**

Sr. No.	Name of Equipment required	Quantity	Approximate cost(Lakhs)	Applications	Justification
34	LC-MS	1	100	For analytical speration and identification of biomolecules	For M.Sc., M. Phil And PhD students and to improve research quality
35	Battery cycler	1	18		For M.Sc., M. Phil And PhD students and to improve research quality
36	Software- Mathematica	1	3	for Mathematical Work	For M.Sc., M. Phil And PhD students and to improve research quality
37	Software- MatLab	1	3	for Mathematical Work	For M.Sc., M. Phil And PhD students and to improve research quality
38	Software-Minitab	1	1	For Statistical analysis	For M.Sc., M. Phil And PhD students and to improve research quality
39	Smart Classrooms Mathematics (Computer Workstations (Mathematics, Microbiology and Biochemistry)	2	70	For Effective ICT enables Teaching	For M.Sc., M. Phil And PhD students and to improve research quality
40		3	20	For Mathematical Simulation, modeling	For M.Sc., M. Phil And PhD students and to improve research quality
Total			1722	(Rs. One Thousand Seven hundred twenty two lakhs)	

LIST OF EQUIPMENTS TO BE PURCHASED UNDER RUSA

No	Equipment	Quantity	Cost per Unit (RS.)	Approx. Cost (Rs.)	Justification
MICROBIOLOGY					
1.	OIL IMMERSION MICROSCOPE	10	48657	486570	MICROSCOPIC STUDY Basic Instrument
2.	VERTICAL LAMINAR AIR FLOW (SS BODY/HEPA FILTERS)	01	185625	185625	ASEPSIS AND CULTURE WORK Laboratory basic need
3.	AUTO CLAVE- (DIGITAL DISPLAY/ 35 L CAPACITY)	01	97313	97313	STERILIZATION OF MEDIA AND GLASSWARE Laboratory basic need
4.	LABORATORY SCALE FERMENTER (BOROSCILCATE /5 L CAPACITY/ AREOBIC MODEL)	01	770625	770625	To carry out fermentation experiments and projects Department up gradation
5.	SPECTOPHOTOMETER UV-VISIBLE RANGE	02	247500	495000	To perform biochemistry experiments and projects Department up gradation
PHYSICS					
6.	DIGITAL OSCILLOSCOPES	02	489950	979900	For FY/SY/TY practicals and Experiments
7.	DUAL CRO OSCILLOSCOPES	10	34325	343250	For FY/SY/TY practical and Experiments
8.	FUNCTION GENERATORS (OSCILLATORS)	01	101093	101093	For FY/SY/TY practicals and Experiments
9.	UV-IR Spectrophotometer	01	298690	298690	For FY/SY/TY practicals and Experiments
10.	I-V/ Characteristics Plotter	01	2984175	2984175	For FY/SY/TY practicals and Experiments
11.	Computerized Hysteresis Apparatus	01	93128	93128	Requirement Syllabus
12.	Computerized Zeeman Effect	01	188390	188390	Requirement of Syllabus
13.	Michelson Interferometer	01	96143	96143	Requirement of Syllabus
14.	Hall effect (Research equipment)	01	98338	98338	Requirement of Syllabus

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

15.	“h” Plancks constant by Photocell	01	96300	96300	Requirement of Syllabus
INFORMATION TECHNOLOGY					
16.	VISUAL STUDIO (20)	20	28375	56750 0	Requirement of Syllabus, ICT teaching and Learning
17.	MS OFFICE(20)	20	4500	90000	For Computers
18.	SQL CAL 2014 SNGL OLP NL (License) (20)	20	4500	90000	Requirement of Syllabus For ICT teaching and Learning
19.	SQL SERVER 2012 (32 BIT) (64 BIT) (20)	20	17438	34876 0	Requirement of Syllabus For ICT teaching and Learning
20.	WinSrvStd 2012R2 SNGL OLP NL Acdmc 2Proc(20)	20	15188	30376 0	Requirement of Syllabus For ICT teaching and Learning
21.	Redhat Linux 6(20)	20	4500	90000	Requirement of Syllabus For ICT teaching and Learning
22.	ORACLE 11G(20)	20	16315	32630 0	Requirement of Syllabus For ICT teaching and Learning
23.	Laser Printer	02	10000	20000	For p inting
ZOOLOGY					
24.	Research grade compound microscope with digital camera.	01	1800000	18000 00	For clear observation of microscopic structures. High end research grade compound microscope is required in the laboratory. It will help to observe microscopic structures in better way.
25.	Student microscopes 20 nos	20	25513	51026 0	For observation of microscopic structures. It will help to observe microscopic structures in better way.
26.	Corel draw software-1no.	01	96188	96188	For editing of biological images
27.	Adobe illustrator	01	248063	24806 3	For editing of biological images
STATISTICS					
28.	UPS	01	10000	10000	For ICT teaching and learning
29.	LCD Projector Smart board	01	89506	89506	For ICT teaching and learning
30.	SPSS Software	02	393750	78750	For Research and ICT teaching and

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

	Basic + Add on Modules			0	learning
COMMERCE					
31.	Commerce lab	01	798750	798750	For teaching computer system and computerised accounting Independent computer lab is required for commerce department
GEOGRAPHY					
32.	Camera & GPS	01	160000	160000	To photography Field visits & landscapes photography
33.	Video camera	01	100000	100000	Recording of natural geology & geographical features Field visits & Recording of geographical features
34.	Cannon Ploter	01	2025000	2025000	For the Plotting area To take output of Plotting Maps & Topographical Map
35.	Computers	05	46725	233625	
CHEMISTRY					
36.	UV-Visible Spectrophotometer	1	590625	590625	To measure absorbance For PG/Post-PG Students
37.	FT_IR Spectrophotometer	1	173813	173813	For Structure determination For PG/Post-PG Students
38.	Digital Polarimeter	5	99000	495000	Determination of Specific rotation UG/PG Students
39.	Microwave Organic synthesizer	1	1199250	1199250	Green Chemical synthesis PG/Post-PG Students
40.	Microwave Oven (domastic)	2	44438	88876	Heating UG/PG Students
41.	ultra-Sonicator with probe	1	590625	590625	Ultrasound reactions PG/Post-PG Students

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

					UG/PG Students
43.	Digital pH meter	5	14063	70315	pH Measurement PG/Post-PG Students
44.	Conductometer	5	99282	496410	conductance PG/Post-PG Students
45.	Digital balance (0.001 gm)	4	48252	193008	Weighing UG/PG Students
46.	Digital balance (0.0001gm)	2	206438	412876	Analytical weighing PG/Post-PG Students
47.	Vacuum Oven	1	157500	157500	Vacuum drying PG/Post- PG Students
48.	GM Counter	4	49275	197100	Radiation measurement PG/Post-PG Students
49.	Microwave Muffle Furnance	1	1235813	1235813	Gravimetry UG/PG Students
BOTANY					
50.	UV-Visible Spectrophotometer	1	590625	590625	To measure absorbance For PG/Post-PG Students
51.	Microscopes	15 15	19997 19997	299955	Physiology, Biochemistry and Genetics Practicals
52.	Filtration unit with sunction pump	02	49275	98550	For filtration purpose Required for practical
ENGLISH					
53.	Digital handy camera	01	99563	99563	Film & literature study For language lab
54.	Book reader	01	25303	25303	Class teaching For teaching visually challenged students
OFFICE					
55.	Computers	70	46725	3270750	For office work For office work, college
56.	Printers (All in one)	15	25000	375000	For office work Administration, library,
57.	Laptops	25	48000	1200000	For office work Various departments,
58.	Multi Copier	02	325645	651290	For office work
59.	Color Printer	10	9227	92270	For printing purpose
60.	MIS Office Software	01	100678	100678	For data management
61.	Wireless multi media Projector	02	108824	217648	For ICT based teaching and learning.
62.	Ceramic Steel Writing Boards with built-in Interactive Features	10	47813	478130	For ICT based teaching and learning.

63.	Portable Interactive pad with Display	10	13377	133770	For ICT based teaching and learning.
64.	Visual Presenter Desktop type	10	42188	421880	For ICT based teaching and learning.
65.	Electronic lectern	10	161663	1616630	For ICT based teaching and learning.
66.	Ceiling Mount Kit	10	1407	14070	For ICT based teaching and learning.
BIOTECHNOLOGY					
67.	Biofermenter	01	798750	798750	Microbiological Studies
68.	Vertical Laminar Airflow GMP Model	01	291938	291938	Plant Tissue Culture, Inoculation experiments
69.	Milli-Q	01	495000	495000	Physiology, Biochemistry and Genetics Practicals
70.	Precision Balance (0.1mg, repeatability $\leq 0.1\text{mg}$; Built in calibration)	01	123750	123750	Physiology, Biochemistry and Genetics Practicals
71.	Cold Centrifuge	01	399983	399983	Biochemistry and Genetics Practicals
72.	Deep Freezer	01	798750	798750	Physiology, Biochemistry and Genetics Practicals
73.	Shaker with incubator	01	888750	888750	Physiology, Biochemistry and Genetics Practicals
74.	Tissue Culture Racks	01	199688	199688	Physiology, Biochemistry and Genetics Practicals
75.	Microscopes	15	19997	299955	Physiology, Biochemistry and Genetics Practicals
76.	Trinocular Pathological Research	03	236250	708750	Physiology, Biochemistry and Genetics Practicals
77.	Refrigerators	02	30375	60750	Physiology, Biochemistry and Genetics Practicals
78.	Muffle Furnace	01	48938	48938	Physiology, Biochemistry and Genetics Practicals
79.	Hot Air Oven	01	59625	59625	Physiology, Biochemistry and

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

80.	Incubators	01	99563	99563	Physiology and Genetics Practicals
81.	Bead mill Homogeniser	01	495000	495000	Physiology, Biochemistry and Genetics Practicals
82.	Microwave 30L, convection,	01	47813	47813	Physiology, Biochemistry and Genetics Practicals
83.	Microwave assisted Digestion Units	01	1991250	1991250	Physiology, Biochemistry and Genetics Practicals
84.	Colony counter with documentation Unit	01	348750	348750	Microbiology Physiology, Practicals
85.	Leaf Area Meter	01	298125	298125	Physiology, Biochemistry and Genetics Practicals
86.	Autoclave	01	59625	59625	Physiology, Biochemistry and Genetics Practicals
		Grand Total:		40309828	

3. Sydenham College

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

4.

Sydenham College of Commerce & Economics, B-Rd. Church gate, Mumbai-20

NAAC Accredited 3.42 CGPA

Tentative List of Equipments to be purchased under Rusa

Sr. No.	Equipments	Quantity	Amount in INR
1	Desktops	100 with 5 Yr AMC	6000000
2	Laptops	25 with 5 Yr AMC	2100000
3	External Hard Disk ITB	7	100000
4	Printer (Black & White) all in one	50 with 5 Yr AMC	600000
5	Laser Printer (Colour)	2	50,000
6	High speed Photocopier with Stapler	2	800000
7	MS Office Licensed Copy	25	600000
8	SPSS Software Licensed Copy	1	200000
9	Coral Draw Licensed Copy	1	200000
10	Picasa Licensed Copy	1	200000
11	Book Reader	1	25000
12	Commerce Lab	1	500000
13	Research Centre	1	500000
14	Water Filter with Aquaguard	2	100000
15	WI FI Setup with leased line	Entire College	2500000
Total			14475000

Tentative List of Construction & Upgradation under Rusa

Sr. No.	Other	Quantity	Amount in INR
1	Smart Classrooms	10	2000000
2	VLC(Virtual Learning Centre) with 5Yr AMC	1 Studio with 4 Nodes	2000000 + 2,50,00,000 (Extra set up)
Total			47000000

*2000000 + 2,50,00,000 (Extra set up)
Add. 10%
Line + Am
Contingency*

*Swale
11-5-18*

Secondary Training College

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

E-1 : DETAILS OF THE BUILDING IN THE POSSESSION OF THE COLLEGE SINCE 1906.

SR. NO.	FLOOR NO	NAME OF THE ROOM	AREA IN SQ FEET
1	I	PRINCIPAL'S OFFICE WITH MEETING ROOM RETIRING ROOM, ATTACHED TOILET	688
2	I	ADMINISTRATIVE ROOM/OFFICE	300
3	I	INSERVICE ROOM/GEOGRAPHY ROOM	600
4	I	SEMINAR HALL	891
5	I	SCIENCE ROOM/ LABORATORY	756
6	I	IN SERVICE STAFF ROOM	600
7	I	LADIES TOILET	110
8	I	WATER ROOM	140
9	I	STORE ROOM	280
10	II	GENTS'COMMON ROOM/ Class Room	891
11	II	SPORT STORE ROOM,WATER ROOM,TOILET BATH ROOM,(GENTS)	200
12	II	EDUCATIONAL TECHNOLOGY AND COMPUTER LABORATORY	308
13	II	STAFF ROOM 05 CABINS	500
14	II	EXPERIMENTAL PSYCHOLOGY ROOM	891
15	II	SPACE FOR PROPOSED LANGUAGE LABORATORY	270
16	II	STAFF ROOM 02 CABINS	330
17	II	a) LIBRARY b) READING ROOM	2772

18	II	RARE BOOK SECTION	200
19	II	WATER CUM STAFF READING ROOM (CORRIDOR)	840
20	II	WC FOR STAFF	130
21	II	LADIES REST ROOM	350
22	III	LECTURE HALL/MULTIPURPOSE HALL/ Auditorium	1776
23	III	WC(GIRLS)	80
		TOTAL	13,903
24	Ground floor	Common canteen for all premises school, college and offices.	

F. Renovation an/ Modernization of existing building (Table E) Proposed:

Sl	Description of Building	Location (Name of the College)	Renovation/ Modernization Proposed	Proposed Cost	Justification
I	Elephinstone Technical High School Building.	Secondary Training College, Mumbai			

SINCE COLLEGE IS RECEIVING FUNDS HON. COLLECTOR, MUMBAI DISTRICT UNDER DPDC TO THE TUNE OF 60,00,000/- PER YEAR THE COLLEGE DOES NOT FUNDS FOR MODERNIZATION OF BUILDING.

G New Buildings Proposed:

Sl	Description of Building	Location (Name of the College)	Proposed Area Sq. M.	Purpose	Justification
I	NA.	NA.	NA.	NA.	New building cannot be proposed unless land is made available.

Annexure 5: Details of proposed Virtual Classrooms, Central Library and Hostels

1. Virtual Classrooms

WORLD AV SOLUTION

Customer	Sydenham College	Version :	1			
Project	Virtual Classroom, LMS and VOD	Date of Ver 1.0 :	5-10-2018			
		Latest Version Date :				
Item No.	Item Description	Make	Model	Qty	Unit Basic Price	Total Basic Price
Part 1 : Items Required at Main Server Room						
.1A	Peoplelink MCU Hardware appliance - 1U/2U server with Rack (Max 100 User MCU support in future)	Peoplelink	Rx Series MCU HW	1	450000	450000
.1B	MCU Lic - Concurrent Lic	Peoplelink	Rx Series MCU Lic (UTP+)	13	75000	975000
	Upto 1080p30 Resolution					
	Presentation Sharing					
	Annotation					
	Recording - 10000 Hrs					
	Firewall Traversal					
	Mobilegateway for iPhone/iPad/Android/Windows Desktop & Laptop					
	One H.323/H.239 interoperability Call					
	Low-Bandwidth Connectivity upto 80-100 Kbps per Call					
	Future Scalability upto 100 User Concurrency in same appliance					
	Redundancy on generic hardware with Unlimited Client Software Downloads					

1C	Video Enabled Learning Management System - VLMS - supports upto 100 user Advance Presenter Mode (Presenter + Questioner + Self) - Supplied with Professional Grade Appliance	Peoplelink	VLMS	1	3600000	3600000
1D	Professional Grade - Video on Demand application preloaded on appliance	Peoplelink	InstaView	1	1100000	1100000
1E	Installation of PART 1 item	Peoplelink	Installation	1	80000	80000
1F	OEM Manpower for managing entire System for one Year at Central Location	Peoplelink	Manpower	1	3600000	3600000
Part 2 : Items Required at each Classroom						Total for PART 1
1	Podium/DeskIncludes following 21.5 inch Touch tablet with Electronic hydraulic facility x 1 no Generic codec with HDMI VGA Audio etc connectivity x 1no with ITB recording facility Multi camera connectivity video mixer to Integrate with codecx1no 300 Watt Amplifierx1no W/L Lapel Mic for Teacherx1no W/L Handheld Mic for Studentx1no Wired Gooseneck mic on Podium/Lectern x1no Interface on podium for HDMI+VGA+USB+POWER +LAN Etcx1no DSP with echo cancellation 4 I/ox1no Inbuilt Rack with lock and key for equipment installation and safetyx1no	Peoplelink	Epodium	1	425000	425000

Add : 18% GST	3017700
Net Total	19782700

Terms	
1	Payment : 100% Advance along with Signed & Stamped Purchase order
2	Delivery : 6 - 8 Weeks after confirmed PO
3	Installation & Support : One Year Onsite
4	Taxes : All taxes will be charged extra on actual basis at the time of billing.
5	Warranty : 1 Year warranty from the date of billing
6	Any Support Related to Acoustics + IT + Bandwidth + Furniture is in the scope of Customer with Free of Cost

Regards,

Aashish K Sharma

7506154810

7021833409

2. Central Library

Central Library Expenditure :-

Sr. No.	Item & Qty.	Sydenham-college (Amt. in Lac)	Institute of Science (Amt. in Lac)	Elphinston College (Amt. in Lac)	S.T.College (Amt. in Lac)	Total	Remarks
1	RFID Qty. 2 Lac Books	35	20	35	5	95	Security
2	Digitization (Including Software) Qty. 10000 Books	2.5	25	25	15	90	Preservation of rare books
3	Multifunctional Printer and Scanner (75 Copies per min.) Qty. 04	8	8	8	8	32	
4	Server (Common)	15	-	-	-	15	
5	Library Furniture	10	10	5	5	30	
6	Library Electricity work	5	20	-	-	25	
7	Library renovation (Civil Work)	-	35	-	-	35	
8	AC	10	10	10	3	33	
9	Research Software legal (Plagiarism)	3	3	3	1	10	
10	CCTV	10	10	-	2	22	
11	E-Books and Journals	10	10	8	2	30	
12	Computers Qty.45	5	10	5	3	23	
13	Compactor Qty.10	-	20	-	-	20	
14	SLIM21 Library Software Qty.02	-	3	-	3	6	
15	Visually Challenge students machine Qty.4	2	-	-	-	2	Computerization
16	Database	5	5	2	-	12	
17	Books	8	5	5	2	20	
	Total Amount	134	151	106	49	500	

J. S. Kale

Principal
Sydenham College of Commerce
& Economics, Mumbai - 400 020.

3. Hostels

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

11	Renovation of canteen on 2nd floor of Govt. Boys Hostel at 'C' Road, Churchgate, Mumbai.	16.50
12	P/F Precoated sheet to duct of Govt. Boys Hostel at 'C' Road, Churchgate, Mumbai.	10.00
13	P/A raincoat painting for Govt. Boys Hostel at 'C' Road, Churchgate, Mumbai.	20.00
14	Replacing sintex tank on terrace & C.I., G.I. pipe line of Govt. Boys Hostel at 'C' Road, Churchgate, Mumbai.	10.00
15	P/F borewell ASTM pipe line of Govt. Boys Hostel at 'C' Road, Churchgate, Mumbai.	5.00
Total Amt. Rs. :		153.55

अंदाजपत्रकीय रक्कमेमध्ये प्रचलित पध्दतीप्रमाणे १२ टक्के जी.एस.टी., ४ टक्के आकस्मिक खर्च व ५ टक्के सेंटेंज खर्च यांचा अंतर्भाव आहे. सदर प्रस्तावात विद्युत कामांचा अंतर्भाव नसून, तो स्वतंत्रपणे कार्यकारी अभियंता, दक्षिण विद्युत विभाग, मुंबई यांचेकडून मागविण्यात यावा. सर्व कामांस प्रशासकीय मान्यता निधी उपलब्ध झाल्यास या आर्थिक वर्षात कामे हाती घेणे शक्य होईल. हे आपल्या माहितीसाठी सादर.

ASBapat
उप अभियंता,
दक्षिण (सा.वा.) उपविभाग,
मुंबई.

प्रत :- कार्यकारी अभियंता, इलाखा शहर विभाग, मुंबई यांना माहितीसाठी सविनय सादर.

Savitridevi phule Mahila Chhatralay, Charni road,
Mumbai

Proposal for infrastructure & purchases under RUSA grant of Rs. 75 L

I. Purchases:

S.no.	Items to be purchased	Make/model	Approximate Nos. Required.	Approximate Amount	Justification for purchases
1	Metal almirah	Godrej interio slimline minor 25 metal almirah	40	11000/- per piece (4.40 lakhs)	Old wooden wall units are damaged due to seepages in rainy season.
2	Chairs	Godrej supreme hard plastic	100	3700 per piece(370000)	Essential for the student rooms for personal use.
3	Chairs for study room	Godrej steel 3 seater	25 (three seater)	8000/- per 3 seater(2lakhs)	Old ones mostly are broken
4	CCTV Camera for campus	CP PLUS 12MP 4K IP IR Bullet camera 50 mtrs.	06	5000/- PER PIECE(30000/-)	Essential to have surveillance of the whole premises
5	DVR 64 CHANNELS With 10 TB	CP PLUS VRA-8K3216 32 CH.1080P Indigo DVR	01	40000/-	Essential to have surveillance and storage capacity for more time period
6	LED TV	Sony 65 inch. ultra HD	01	4Lakhs	Outdated TV.
7	Refrigrator	Samsung 680 L Frost free	01	1,45,350/-	Mess does not have a fridge

A. Approximate Purchase Amount 12,92,350/-


SUPERINTENDENT
 SAVITRI DEVI PHULE MAHILA CHATRALAYA
 MUMBAI - 400 004.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

कार्यालयीन खर्च (प्लॅन) 861			
अनु.क्र.	तपशिल	संख्या	रक्कम
1	पायन्यांजवळच्या सर्व माळ्यांवरील बाथरूम चे नूतनीकरण		4700000
2	Structural Audit		312000
3	Electrical Audit		300000
3	गच्चीवर water Proofing		200000
4	संडास बाथरूम च्या खिडक्यांना अॅल्युमिनअमच्या जाळ्या		300000
5	विद्यार्थिनीकरीता TV 50"	1	60000
6	नवीन कार्यालय असल्याने आवश्यक फर्निचर अधीक्षक खुर्ची	1	100000
	कर्मचाऱ्यांकरीता खुर्च्या	4	
	अभ्यागतांसाठी खुर्च्या	6	
	लोखंडी कपाट	2	
7	खानावळीसाठी ग्रॅनाईट टेबल	4	20000
	खानावळीसाठी खुर्च्या	16	50000
	विद्यार्थिनीकरीता लाकडी कॉटस	15	25000
	विद्यार्थिनीकरीता खुर्च्या	30	25000
8	अतिथी कक्षासाठी लाकडी कॉटस,	4	8000
	गादया, उश्या, बेडशिट, पर्दे व चादर		15000
9	बाथरूम व संडासाठी 7 Vatt Led बल्ब	50	10000
10	पंखे	25	50000
11	ट्यूबलाईट	50	15000
12	CCTV कॅमेरा नूतनीकरण		200000
13	सोलर नूतनीकरण		300000
14	संगणक	6	180000
15	Laptop	1	70000
16	Printer	2	10000
17	Biometric	1	25000
18	Scanner fax Machine	1	10000
19	दूरध्वनीप्रणाली नूतनीकरण		25000
20	Water Filters	6	60000
21	वसतिगृहास पेसट कंटोल		300000
22	गीझर	15	100000
23	वसतिगृहास सुशोभिकरण (बागकाम)		50000
	Total		7520000


 Resident Superintendent
 Telang Memorial Girl's Hostel,
 44 'C' Road, Churchgate,
 Mumbai - 400 020.



उप अभियंता यांचे कार्यालय
दक्षिण (सा.बां.) उपविभाग,
एम.टी.डॉ.सी. समोर, मादाम कामा मार्ग, मुंबई - ४०० ०३९.

Email : desouth@mahapwd.com

जा. क्र. दक्षिण/२२७८१/२०१७

दिनांक : ७/५/१७

प्रति,
अभिषेक,
तेलंग मेमोरियल मुलींचे वसतिगृह,
सी-रोड, चर्चगेट,
मुंबई.

दि. २०१७ चे अंदाजपत्रक अखल्यामुळे
माझीपत्रात सा. बा. वि. शा. चा उरले
सुधारित किमती टाकलेल्या आहे.

विषय : मुळ गौण कामांतर्गत सादर अंदाजपत्रकास मंजूरी मिळणेबाबत. Resident Superintendent
Telang Memorial Girl's Hostel,
44 'C' Road, Churchgate,

मागील शिरीय वर्गात आपणाकडून मागणी करण्यात आलेल्या मुळ गौण कामांची अंदाजपत्रके आपला ठेकीलवून घ्याव्यात
मान्यता तसेच निधी उपलब्धतेसाठी सादर करण्यात आली आहेत. कृपया सादर अंदाजपत्रकाच्या यादीचे अवलोकन करावे.

SR. NO.	NAME OF WORK	AMOUNT (IN LACS.)
Telang Hostel		
1	Renovation of flooring in chowk and Providing and Fixing Alluminium grill to Bathroom & Toilet at Telang Memorial Ladies Hostel Bldg., C-Road, Churchgate, Mumbai.	2.10
2	Providing Waterproofing of Terrace of Telang Memorial Ladies Hostel Bldg., C-Road, Churchgate, Mumbai.	18.68
3	Renovation of flooring and Dado of Passage at Telang Memorial Ladies Hostel Bldg., C-Road, Churchgate, Mumbai.	21.62
4	Renovation of Toilet blockh 1st to 5th floor Near Staircase of Telang Memorial Ladies Hostel Bldg., C-Road, Churchgate, Mumbai.	42.23
5	Providing Furniture work for by Superintend office Gr. floor at Telang Memorial Ladies Hostel Bldg., C-Road, Churchgate, Mumbai.	1.95
6	Structural Audit for Telang Memorial Ladies Hostel Bldg., C-Road, Churchgate, Mumbai.	2.12
Total :		88.70

अद्यत्मी या कामी प्रशासकीय मान्यता अथवा निधी उपलब्ध करण्यात आलेला नाही. वर्षानिहाय दरसुची बदलामुळे कामात अंदाजपत्रकीय दरात वाढ संभवते. तरी जापणांस विनंती आहे. या कामी साखर मान्यता व निधी मिळावा हे विनंती.

जरिल नमुद इमारतीचे आयुष्यमान हे ४० वर्षांपेक्षा जास्त झाले असल्याने शासन परिपत्रकानुसार इमारतीचे स्ट्रक्चरल ऑडीट करणे आवश्यक ठरते. तरी या कामी प्राधान्याने प्रशासकीय मान्यता व निधी उपलब्ध होणेस विनंती आहे.

GoPd
27-6-2017

प्रत : कार्यकारी अभियंता, इलखा शहर विभाग, मुंबई यांना माहितीस्वरुप सादर.

B/Amrta/Manshi Letter-2017

Clerk to Executive Engineer


Resident Superintendent
Telang Memorial Girl's Hostel,
44 'C' Road, Churchgate,
Mumbai - 400 020.

उप अभियंता,
दक्षिण (सा.बा.) उपविभाग,
मुंबई.


IC

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Comparative Statement for Desktop					
Sr.No.	Item Description	Qty	Unique Computer Training & Services	Step Computer	N 9 Enterprises
1	Lenovo All in one Desktop Intel Core i5 - 7500 3.4 GHZ, 4GB DDR4, 500GB, DVD RW, 19.5" LCD Monitor, Win 10 Pro	1	45339	44068	45847
	GST 18%		8161	7932	8253
	Total		53500	52000	54100


 Resident Superintendent
 Telang Memorial Girl's Hostel,
 44 'C' Road, Churchgate,
 Mumbai - 400 020.

Comparative Statement for Biometric Machine					
Sr.No.	Item Description	Qty	Shakti Enterprises	VS Infotech	Shubham Infotech
1	Time Attendance System Essel X 990	1	26500	24500	21186
	GST 18%		4770	4410	3814
	Total		31270	28910	25000



 Resident Superintendent
 Telang Memorial Girl's Hostel,
 44 'C' Road, Churchgate,
 Mumbai - 400 020.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Comparitive Statement for Water Purifier					
Sr.No.	Item Description	Qty	Cooling Concept	Meera Distributers	ACE Technologies
1	c 200 R1 UV WaterPurifier	6	8355	8355	8355
	Discount		255	355	455
	Total		8100	8000	7900
	Total amount for 6 Filers		50130	48000	47400


 Resident Superintendent
 Telang Memorial Girl's Hostel,
 44 'C' Road, Churchgate,
 Mumbai - 400 020.

Comparative Statement for Laptop											
Sr.No.	Item Description	Qty	Unique Computer Training &			Step Computer			N 9 Enterprises		
			Rate	18% GST	Total	Rate	18% GST	Total	Rate	18% GST	Total
1	Lenovo Laptop INTEL Core i3-71 OOU 2.4 GHZ, 4GB DDR4, 500 GB 5400 RPM,Camera, Wifi, FP, ODD, 14" Display, 4 - cell, DOS	1	34274	6169	40443	33274	5989	39263	34574	6223	40797
2	Lenovo Laptop INTEL Core i3-71 OOU 2.4 GHZ, 4GB DDR4, 500 GB 5400 RPM,Camera, Wifi, FP, ODD, 14" Display, 4 - cell, Win 10 Pro	1	42918	7725	50643	42418	7635	50053	43918	7905	51823
3	Lenovo Laptop INTEL Core i5-72 OOU 2.5 GHZ, 4GB DDR4, 500 GB 5400 RPM,Camera, Wifi, FP, ODD, 14" Display, 4 - cell, DOS	1	38338	6901	45239	37338	6721	44059	38838	6990	45828
4	Lenovo Laptop INTEL Core i5-72 OOU 2.5 GHZ, 4GB DDR4, 500 GB 5400 RPM,Camera, Wifi, FP, ODD, 14" Display, 4 - cell, Win 10 Pro	1	46982	8457	55439	46482	8367	54849	47982	8637	56619


 Resident Superintendent
 Telang Memorial Girl's Hostel,
 44 'C' Road, Churchgate,
 Mumbai - 400 020.

Institutional Development Plan of Dr. Homi Bhabha University, Mumbai

Comparative Statement for CCTV Camera								
Sr.No.	Item Description	Qty	Icon Infotech PVT		Kaivalya Enterprises		ASZ Info Tech	
			Rate	Amount	Rate	Total	Rate	Total
1	2 MP Dome Camera make Hikvision	5	2850	14250	2850	14250	2800	14000
2	2 MP Bullet Camera make Hikvision	5	2850	14250	2850	14250	2800	14000
3	32 Ch. Standalone HD DVR Make Hikvision	1	42500	42500	41500	41500	40000	40000
4	4 TB Surveillance Hard Disk Drive WD	1	13000	13000	12700	12700	12500	12500
5	32 Inch LED TV make LG	1	31000	31000	28500	28500	28000	28000
6	16 Channel Power supply make ERD	1	1500	1500	1650	1650	1500	1500
7	Open Cable 4 + 1 Copper make Finolex (MTF)	200	65	13000	62	12400	60	12000
8	Installation charges for Old Cameras in New	22	500	11000	525	11550	500	11000
			140500		136800		133000	


 Resident Superintendent
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Comparative Statement for Printer Scanner and Fax					
Sr.No.	Item Description	Qty	Unique Computer Training & Services	Step Computer	N 9 Enterprises
1	Samsung all in one Printer with Fax (2071FW)	1	16700	16000	17000
	GST 18%		3006	2880	3060
	Total		19706	18880	20060


 Resident Superintendent
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Annexure 6: Hostel Declaration

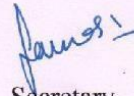
Government of Maharashtra

Saurabh Vijay
Secretary

No.RUSA-2018/C.R.248/2018/UNI-3
Higher & Technical Education Department,
Madam Kama Road,
Hutatma Rajguru Chowk
Mantralaya, Mumbai-400032.
Date: 30th July, 2018.

Declaration

The hostel seats at Govt. Boys Hostel, Telang Hostel and Savitribai Phule Girls Hostel would be allotted to the students of Dr. Homi Bhabha Cluster University, Mumbai on priority and if seats remain vacant then the vacant seats would be given to other Government college students.



Secretary
Higher & Technical Education Department

(Saurabh Vijay)
Secretary
Higher & Technical Education
Department, Mantralaya,
Mumbai - 400 032.