EXPRESSION OF INTEREST
FROM
CONSULTANCY FIRMS FOR PROVIDING

ARCHITECTURAL & PLANNING CONSULTANCY SERVICES
FOR MASTER PLAN
AT BIT MESRA, RANCHI CAMPUS

OFFICE OF THE REGISTRAR
Birla Institute of Technology
Mesra, Ranchi – 835 215, Jharkhand (INDIA)
Tel #: 00 91 651 2276030/290
Email: tenders@bitmesra.ac.in
Website: www.bitmesra.ac.in

बिरला प्रौद्योगिकी संस्थान
BIRLA INSTITUTE OF TECHNOLOGY
(वि० अनु० आ० अधिनियम १९५६ की धारा ३ के तहत मानित विश्वविद्यालय || A Deemed to be University u/s 3 of UGC Act, 1956)
मेसरा, राँची ८३५२१५ (भारत) || MESRA, RANCHI 835 215 (INDIA)

Ref No.: BIT/Arch/Appt/2022-23 /004 Date: 30.06.2022

EXPRESSION OF INTEREST FROM CONSULTANCY FIRMS FOR PROVIDING ARCHITECTURAL & PLANNING CONSULTANCY SERVICES FOR THE MASTER PLAN OF BIT MESRA, RANCHI

Birla Institute of Technology, Mesra was established in 1955, is a premier technical Institute and Deemed to be University u/s 3 of UGC Act, 1956, with its registered office located at Mesra, Ranchi-835215 (Jharkhand). More details about the Institute may be seen at our website "www.bitmesra.ac.in".

1. PRESENT REQUIREMENT

We need consultancy firms for providing **ARCHITECTURAL & PLANNING CONSULTANCY SERVICES** for Master Plan of BIT Mesra, Ranchi.

2. ROLE OF THE SELECTED ARCHITECTURAL, PLANNING AND ENGINEERING DESIGN CONSULTANCY FIRM

The role of the selected firm is to provide Architectural, Planning and Engineering Design Consultancy and detailing for all requirements, including but not limited to the following:

Designing and submission of Master Plan for BIT Mesra with phase-wise zoning and architectural concepts / schematic designs both for academic and residential areas along with facilities, amenities, spatial planning for the infrastructure, services, landscaping, and also the plans for rejuvenating the existing infrastructure to align with the proposed Master Plan with environment friendly concepts, as per timelines framed by the Institute. Addition, upgradation and renovation of existing resources are contemplated in all the spheres of this institute.

The first and foremost job is to prepare a state-of-the-art futuristic comprehensive Master Plan of the campus for enabling comfortable functioning of activities of the institute at present and at future. The BIT Mesra has resolved to organize an Open Architectural & Planning Competition for ensuring planning of high standard for the Master Plan of the campus.

The competitors are required to prepare a comprehensive Master Plan design proposal of the Institute Campus taking account of the following requirements in the site as shown in the Campus Plan of the Institute and other enclosures.

ELIGIBILITY TO COMPETE:

a) A competitor may be an Architectural & Planning Consultancy firm or a Expression of Interest consultancy firm in the form of a company incorporated under the Companies Act, 1956, or, Shops and Establishments Act of the concerned state.
b) The Chief Architect of the firm must be registered with the Council of Architecture under the Architects Act, 1972 and must be a member of the Institute of Town Planners India on the date of announcement of the competition and thereafter. In case the Chief Architect

is not a ITPI registered planner, the firm must have an ITPI registered Planner with minimum 10 years' experience.

c) The firm should have experience in Preparing Comprehensive Master Plan of University Campus with proof of Work Order.
d) The firm should have the experience of completion of at least one Master Plan project of work of not less than Rs. 100 crores in last 10 years. The ARCHITECTURAL firms must enclose details of previous similar works undertaken / completed by his firm, within last 10 Years (Refer Table-1).
e) The firm / organization should have a minimum average turnover of Rs. 5.0 crore per annum for the last 3 years. In this regard the applicant will need to submit accounting details like certified balance sheets, tax return etc. for the financial year up to **2021-22**.
f) Any entity, which has earlier been barred by the Govt. of India from participating in its projects, would not be eligible to participate in the design concept.

TYPE OF COMPETITION: Open Competition.

1. PURPOSE OF THE COMPETITION:

The purpose is to ensure physical planning of high standard for the Master Plan of the campus. The institute also reserves the right to accept, cancel or modify any or all the entries of the competition.

2. NATURE OF THE PROBLEM TO BE SOLVED:

It shall be the most comprehensive and sophisticated plan and shall be one of the most challenging, especially given the fast pace of campus development. All aspects of the Plan should be guided by the following planning principles related to teaching, research and public life and to guide the planning for future physical growth, development, and operation of the campus.

A. LIVELY CAMPUS; A MAGNET FOR STUDENT, FACULTY, STAFF AND PUBLIC LIFE.

- To create compact campus to intensify student presence on campus.
- To create opportunities for interdisciplinary research and collaboration.
- To develop a strong sense of entry and establish a distinct sense of place that is tied to City and State.
- To provide adequate athletics, intermural, and recreational facilities.

B. STATE OF THE ART FACILITIES TO SUPPORT THE UNIVERSITY'S MISSION FOR TEACHING, RESEARCH AND PUBLIC LIFE.

- To address growth needs of the campus.
- To support the University's most important goals, providing spaces for active engagement and quiet reflection.
- To create important new spaces while enhancing the beauty and sustainability of the campus environment.
- To strike a perfect balance between the old and the new. They have balanced between centuries of tradition and plans for innovative new spaces where architects can continue to design buildings that are both of their time and timeless, focused on maintaining a campus that grows with a goal of environmentally sustainable development.

- To make the plan ambitious yet subtle: whatever proportion of the main campus may be rebuilt, the results shall integrate the new with the old and weave modern development with this old campus into a coherent whole.
- To establish guidelines for future development of the Research Park.
- To improve the quality of housing for faculty, staff and students through renovation, replacement, and new construction.

C. A SETTING TO FOSTER INTERDISCIPLINARY COLLABORATION AND INTERACTION.

- To foster the synergy between research and teaching with facilities that promotes collaboration and interaction.
- To provide indoor and outdoor spaces for students to study and interact with each other.
- To maintain campus neighborhoods while promoting a sense of community and to sustain strong community relations.

D. CAMPUS AS A DESTINATION FOR THE PUBLIC.

- To encourage the public to participate in a wide range of university activities, including the arts, athletics, recreation, clinical and academic programs.
- To provide adequate facilities to support public activity.
- To suggest a system what will cooperate with other local services to establish a vibrant and engaging campus experience.

E. FUNCTIONAL AND SUSTAINABLE TRANSPORTATION SYSTEMS.

- To maintain a pedestrian-oriented campus, improve walkability and universal access.
- To improve accessibility to transit and continue to promote alternative modes of transportation.
- To enhance routes to better support bicycling on campus.
- To improve the efficiency of transportation systems.
- To clarify vehicular circulation network.
- To establish a more efficient and effective parking strategy.
- To improve signage to promote safety and wayfinding.

F. CAPITALIZE ON THE NATURAL LANDSCAPE SETTING.

- To create smart open space and promote the intelligent use of landscape.
- To preserve significant views into, within and from the campus.
- To create a network of open spaces that improves campus connectivity and provides access to nature.
- To reduce the visual and physical impact of surface parking.

G. LEADERS IN ENVIRONMENTAL STEWARDSHIP.

- To integrate the principles of environmental, social and economic sustainability into campus planning, design and operations.
- To promote the stewardship of campus land and resources.
- To provide strategies for every aspect of development of infrastructure : such as Traffic and Parking, Water Supply, Drainage and Sewage Disposal, Solid Waste management, construction, including project location and sustainability policies, such as new

measures for energy conservation and storm water management; campus landscape; way-finding measures, such as improved pathways and signage for visitors;

3. **ALL PRACTICAL AND MANDATORY REQUIREMENTS TO BE MET BY THE COMPETITORS:** As specified in the eligibility criteria.

4. **NUMBER, NATURE, SCALE, AND DIMENSIONS OF THE DOCUMENTS, PLAN AND/OR MODELS:** All the following drawings are to be prepared for submission followed by a presentation:
   - Map showing the Master Plan of the Campus with zoning in legible scale
   - schematic plans of all proposed buildings and spaces
   - Services and facilities plan in legible scale
   - A perspective/3D view / walkthrough in legible scale

5. **ESTIMATES IF REQUIRED IN THE STANDARD FORM ISSUED WITH THE CONDITIONS:** A rough estimate of the project standard format.

Apart from the above, we request you to facilitate us with the following information in the given format along with the proposal of the master plan. The details of the requirements are given below:

a) **Company profile (size, composition, qualification and experience of team members, any other relevant details about your company/ firm).**
b) **Relevant experience (name, location, size, and time of completion of relevant projects/similar kind of projects.**
c) **Date of establishment of the firm.**
d) **Average Annual turnover in last three financial years.**
e) **Location/ Address of head office.**
f) **Location of other offices (if any).**
g) **Director**
h) **Principal Architect(s):**
i) **Firm composition (number of architects, structural engineers, MEPs, green building / sustainability expert, landscape expert).**

j) **International master planning projects**

Sl. No.	Name of project	Location (city, country)	Year of award of project	Year of completion of project (write expected time in case of on-going projects)	Current Status (on-going/ completed)	Area (sq.m.)	Project value
1							
2							
3							
Please add more rows if required							

k) **National master planning projects**

Sl. No.	Name of project	Location	Year of award of project	Year of completion of project (write expected time in case of on-going projects)	Current Status (on-going/ completed)	Area (sq.m.)	Project value (INR)

1							
2							
3							
Please add more rows if required							

6. THE FOLLOWING DOCUMENTS RELEVANT TO THE MASTER PLAN ARE ALSO ATTACHED WITH THIS EOI: -

- BIT Campus Layout
- Draft Master Plan Brief
- List of Existing Building with Area
- Phase-wise Expansion Plan.

7. GENERAL INSTRUCTIONS FOR APPLICANTS

I. **The address for submission of Expression of Interest and for obtaining further information:**

REGISTRAR
BIRLA INSTITUTE OF TECHNOLOGY, MESRA
RANCHI-835 215 (JHARKHAND) – INDIA
Email: tenders@bitmesra.ac.in

II. **The Schedule for Submission of EOI is as follows:-**

Submission of Quotations	Date	Time in hours (IST)	Submit to / Venue
	18.07.2022	Upto 15.00 hrs	Office of the Registrar

EOI can also be sent by Email to the following address: tenders@bitmesra.ac.in;

a) The EOI along with detailed technical and commercial Proposal must be delivered to the address given on or before the last date of submission. If the last date of submission happens to be holiday, the next working day will be the last date for submission.

b) Any queries related to the above-mentioned work can be addressed to the designated official below during office hours:

Name - Kumari Nisha
Designation - Architect Astt., Office of Dean Infrastructure & Planning
Mobile No. - 9431597217
Email - nisha@bitmesra.ac.in

For other general queries related to the above-mentioned work can be addressed to the designated official below during office hours:

Name - Chiranjeev Semwal
Designation - Assistant Registrar (Purchase- Works)
Mobile No. - 9431382703
Email - ar.purchase1@bitmesra.ac.in

c) BIT Mesra reserves the right to accept or reject any application, to annul the entire selection process or reject all applications at any time prior to award of contract, without thereby incurring any liability to the affected applicant(s) or any obligation to inform the affected applicant(s) the grounds for such decision. BIT Mesra also reserves the right to negotiate with the successful applicant if necessary.

d) BIT Mesra reserves the right to terminate the contract by giving a notice of one month if the performance of the Consultant is not found satisfactory or are found to be not performing or not meeting the expectations of BIT Mesra. The consultant shall

be given a period of fifteen days to cure the breach or fulfill the contractual obligations.

e) The applicants submitting their proposals would be responsible for all of its expenses, costs and risks incurred towards preparation and submission of their proposals, attending any pre-proposal meeting and visiting the site or any other location in connection therewith. BIT Mesra shall, in no case, be responsible or liable for any such costs whatsoever, regardless of the outcome of the process.

f) The proposals submitted by the applicants shall remain valid for a period of three months after the closing date (deadline) for submission of proposals prescribed in this document.

g) During evaluation, BIT may, at its discretion, ask the applicants for clarifications on their proposals. The applicants are required to respond within the time frame prescribed by the Institute.

8. EVALUATION AND SELECTION PROCESS

The consultant for this engagement would be selected through a competitive process, the details of which are provided below.

i. Individuals wishing to apply for this engagement should respond to BIT Mesra with a proposal and required supporting documentation (indicated below).

ii. The selection of the applicant will be made on basis to proposal conforms to the EOI and is, in the opinion of BIT, the most advantageous and represents the best value to the assignment, price and other factors considered. BIT reserves the right to negotiate with the applicants.

The Following Criteria/Sub-Criteria shall be used for the Phase 1 evaluation:

S.No	Criteria	Marks Weightage	
	Sub-Criteria	**Criteria Total Marks**	**Sub-Criteria Marks**
1.	Actual experience in Architectural work (preferably Large Integrated Townships, Master Planning, Sports Facilities etc.,)	20	
	• Number of years of relevant experience		5
	• Details of previous works of similar nature (including names and addresses of clients), supported by drawings, sketches, photographs etc., in hard copies as well as soft copies for projection purposes) and a write- up on each work		15
2.	Qualified personnel with adequate experience in Architectural work and Coordinating and integrating all Engineering utilities (these personnel have to be in-house).	10	
	• Qualifications		5
	• Relevant Experience		5
3	Structural Engineering and MEP Engineers with relevant qualifications and adequate experience (these personnel can be in house or tie-up arrangements).	10	
	• Structural Engineers with Relevant Qualifications and adequate experience		5

S.No	Criteria	Marks Weightage	
	Sub-Criteria	Criteria Total Marks	Sub-Criteria Marks
	• MEP Engineers with Relevant Qualifications and adequate experience		5
4	Overall financial strength of the consultant in terms of turnover, profitability and cash flow(liquid assets) situation	10	
	• Turnover figure for last three years i.e. 2019-20, 2020-21 and 2021-22		5
	• Net Profit figure for last three years i.e. 2019-20, 2020-21 and 2021-22		5
	Total Marks	**50**	

The shortlisted consultants will be required to provide the following submittals for Stage – 2 evaluation.

i. Map showing the Master Plan of the Campus with zoning in legible scale
ii. Schematic plans of all proposed buildings and spaces
iii. Services and facilities plan in legible scale
iv. A perspective/3D view / walkthrough in legible scale

Presentation: The shortlisted consultants will be required to give their Presentation.

9. COMMENCEMENT & COMPLETION OF WORK

All the activities mentioned above shall be completed within one month from the date of LOA.

10. PENALTY FOR DELAY

In case the bidder fails to complete the work in the specified time, BIT shall levy penalty @ 0.5% of contract value per week of part thereof starting from the schedule completion date, subject to a ceiling of 10%.

11. ARBITRATION

All disputes, differences, claims and questions whatsoever arising out of this Agreement shall be referred to Arbitration which shall be conducted in accordance with the provisions of the Indian Arbitration and Conciliation Act 1996 or any statutory modification thereof. The venue of the arbitration shall be at Ranchi.

The quotation for the scope of work mentioned above along with **Annexure-I & II,** may be submitted in the office of the undersigned on or before **18.07.2022** up to 3:00 PM.

REGISTRAR

Encl:

1. Annexure I – Response Form
2. Annexure II – Vendor Information Form

ANNEXURE I

RESPONSE FORM

Date:

To
The Registrar
BIT Mesra, Ranchi

Sub: Expression of Interest (EOI) for the Consultancy Service for Master Plan at BIT Mesra Campus.

Dear Sir/Madam,

a. Having examined the EOI, the receipt of which is hereby duly acknowledged, I, the undersigned, offer to provide my professional services as required and outlined in the EOI, I undertake to meet such requirements and provide such services as required and as set out in the EOI document.
b. I attach my technical response and our commercial proposal, the technical response as a softcopy and the commercial response in a separate sealed cover as required by the EOI both of which together constitutes our proposal, in full conformity with the said EOI.
c. I have read the provisions of EOI and confirm that these are acceptable to me. I further declare that additional conditions, variations, deviations, if any, found in my proposal shall not be given effect to.
d. I undertake, if my proposal is accepted, to adhere to the scope of engagement or such modified plan as may subsequently be mutually agreed between me and BIT MESRA or its appointed representatives.
e. I agree to unconditionally accept all the terms and conditions set out in the EOI document and also agree to abide by this application for a period of 45 days from the date fixed for opening and it shall remain binding upon us with full force and virtue, until a formal contract is prepared and executed, this proposal response, together with your written acceptance thereof in your notification of award, shall constitute a binding contract between us and BIT MESRA.
f. I affirm that the information contained in this proposal, or any part thereof delivered or to be delivered to the BIT MESRA is true, accurate, and complete. This proposal includes all information necessary to ensure that the statements therein do not in whole or in part mislead the BIT MESRA as to any material fact.
g. I agree that BIT Mesra is not bound to accept the lowest or any proposal response you may receive. I also agree that you reserve the right in absolute sense to reject all or any of the products/ service specified in the proposal response without assigning any reason whatsoever.

Signature
Name of Applicant
Address:

ANNEXURE-II

VENDOR INFORMATION

1. **Information of the Firm**

   1.1. Name and address

   Name of the firm:

   Address:

   Telephone No: Fax:

   Email:

   1.2. Date of Establishment:

   1.3. Core Area of Expertise of the Firm:

2. **Contact Person:**

   Name:

   Designation:
   Mobile No:

   Email:

3. **GST/PAN Registration:**
   GST No:

   Pan No:

4. **Proposed Lead Person:**
   Name:

   Education:

   Experience year:

   Area of Expertise:

5. **Staff of the firm**
   No of regular staff:

   Total:

   Professional staff with technical background:

   Professional staff with other background:

   Administrative/support staff:

6. Supporting documents:

6.1 **Company Profile**, if any

6.2 **Legal documents**
Provide copy of the legal registration, GST and PAN registration certificates of the firm; with their latest renewals where applicable.

6.3 **Work Experience certificate**:
Provide supporting document for the completed contract assignment, especially indicating those which are relevant to proposed assignment and completed within last five years. (Ref: Table 1)

6.4 **Relevant experience of Firm's professional staff**: In reference to the proposed assignment
Describe experience of professional staff relevant to the proposed assignment.

7. **Equipment /Facilities / Software**
Provide list of Equipment, Hardware and Software(s) owned by the firm and that is relevant for the assignment proposed in this EoI.

Table-1: Experience of the Firm in relevant areas during the Last 10 Years

S.N.	Name of the assignment	Name of the client	Address of the client	Duration of the assignment			Total Cost of the assignment (In INRs)	Remarks
				From (Date)	To (Date)	Total (Date)		



BIRLA INSTITUTE OF TECHNOLOGY, MESRA

DESIGN BRIEF FOR MASTER PLAN

June 2022

INTRODUCTION

Birla Institute of Technology, Mesra was established by the renowned philanthropist and visionary industrialist, Late Sri B. M. Birla in July 1955. Initially it was started as an affiliated college of the erstwhile Bihar University and later in 1960 upon creation of the new university in the state; its affiliation was transferred to Ranchi University. In pursuance of the recommendation of the Education Commission Government of India (1964 -1966) and based on the report of a joint selection committee of the UGC and AUDIT, in March 1972, the Institute was granted the status of an 'Autonomous' college by making special provision in Bihar State University Act. The chancellor of the University of Bihar made the rules for its governance. The achievement of the Institute in terms of research and excellent academic program led to it attaining the status of a deemed university under section 3 of the UGC act in August 1986. The Institute has constantly improved on its technical facilities as well as in academics to keep pace with the fast-changing technology scenario, thereby acquiring a pride of place amongst the institutions offering technical education in the country. This Institute celebrated the golden jubilee of its establishment in the year 2005 reaffirming its commitment to the cause of higher education.

THE MAIN CAMPUS AT MESRA

The main campus of the Institute is fully residential and is spread over 780 acres of land. The main building of the Institute itself covers an area of 30,000 square meters and accommodates the various research and training laboratory, administrative offices, and classrooms The workshop Annex has built up area of 4,000 square meters. The laboratory and the office of Department of space engineering and rocketry are situated for security reason in a sub campus, about half a kilometre away from the main building the. The campuses is self-contained amidst well laid lawn with its own protected water supply, marketing centre, dispensary, bank etc. The first off campus centre of the Institute was established in Ranchi City at Lalpur in 1976 to support the continuing education program for the working engineers and professionals in and around Ranchi city.



VISION

To become a Globally Recognised Academic Institution in consonance with the social, economic, and ecological environment, striving continuously for excellence in education, research, and technological service to the National needs.

MISSION

- To educate students at Undergraduate, Postgraduate, Doctoral, and Post-Doctoral levels to perform challenging engineering and managerial jobs in industry.
- To provide excellent research and development facilities to take up Ph.D. programmes and research projects.
- To develop effective teaching learning skills and state of art research potential of the faculty.
- To build national capabilities in technology, education, and research in emerging areas.
- To provide excellent technological services to satisfy the requirements of the industry and overall academic needs of society.

MASTER PLANNING PRINCIPLES

The master planning has been envisaged for 2035 in a phase-wise manner with a consideration of the key aspects of the existing campus. The Outline Planning Application is desired to revolve aroundthecurrent plans which delivered the existing campus. If the wider expanded Mesra campus is to have a coherent identity overall, it is essential that it is based on a series of design principles inherited by BIT Mesra. These principles will allow a series of themes to develop whilestitching the old and the new into a single fully functional University.

The themes and principles which the future Master plan is expected to adhere are:

- The integration of activities – academic, social, and residential – represented in the concept and structure plan.
- State of art infrastructure to accommodate future growth.
- A high-quality landscape setting.
- A sense of informality within existing formal built-scape creating unity amongst diversity;
- A system of covered interconnected pathways and informal routes within academic areas.
- A predominantly green campus with equal priority to vehicular, pedestrian and cycle movements.

EXPECTED DELIVERABLES FROM THE MASTER PLAN

- Overall site plan and zoning
- Phase-wise site plan
- Structure plan and service layout drawing
- Landscape plan
- Architectural drawing of each proposed new building/ structure / area
- Necessary views/ walkthrough/ models as per client need

EXISTING INFRASTRUCTURE

Institute Building	(Sq Mtrs.)
Main building & Administration block	3700
Classroom and laboratory, Drawing halls, Staff room's etc	19300
Library block	2600
Mini-Auditorium	450
Space Engg. And Rocketry block (including Explosive, Fuel cell and Cryogenic laboratory)	2490
Workshop sheds, general stores, garage/godown	4880
Gymnasium	850
Indoor Badminton Stadium	1000
Animal House	400
R & D Building	7200
Institute Building	**(Sq Mtrs.)**
Multi-Purpose halls	785
Biotechnology Centre	3477
Polymer Engineering	744
Lecture Theatre-1	1143
Lecture Theatre-2	1535
Hotel Management Building	2835
Pharmacy Building	3220
Golden Jubilee Auditorium	3280
Residential Complex	
Staff quarter in different categories	422
Residential complex for supporting services Guards, Dairy Shopkeepers, Washer man etc.	116



Staff Quarters and Club House



The G.P. Birla Auditorium



Lecture Halls

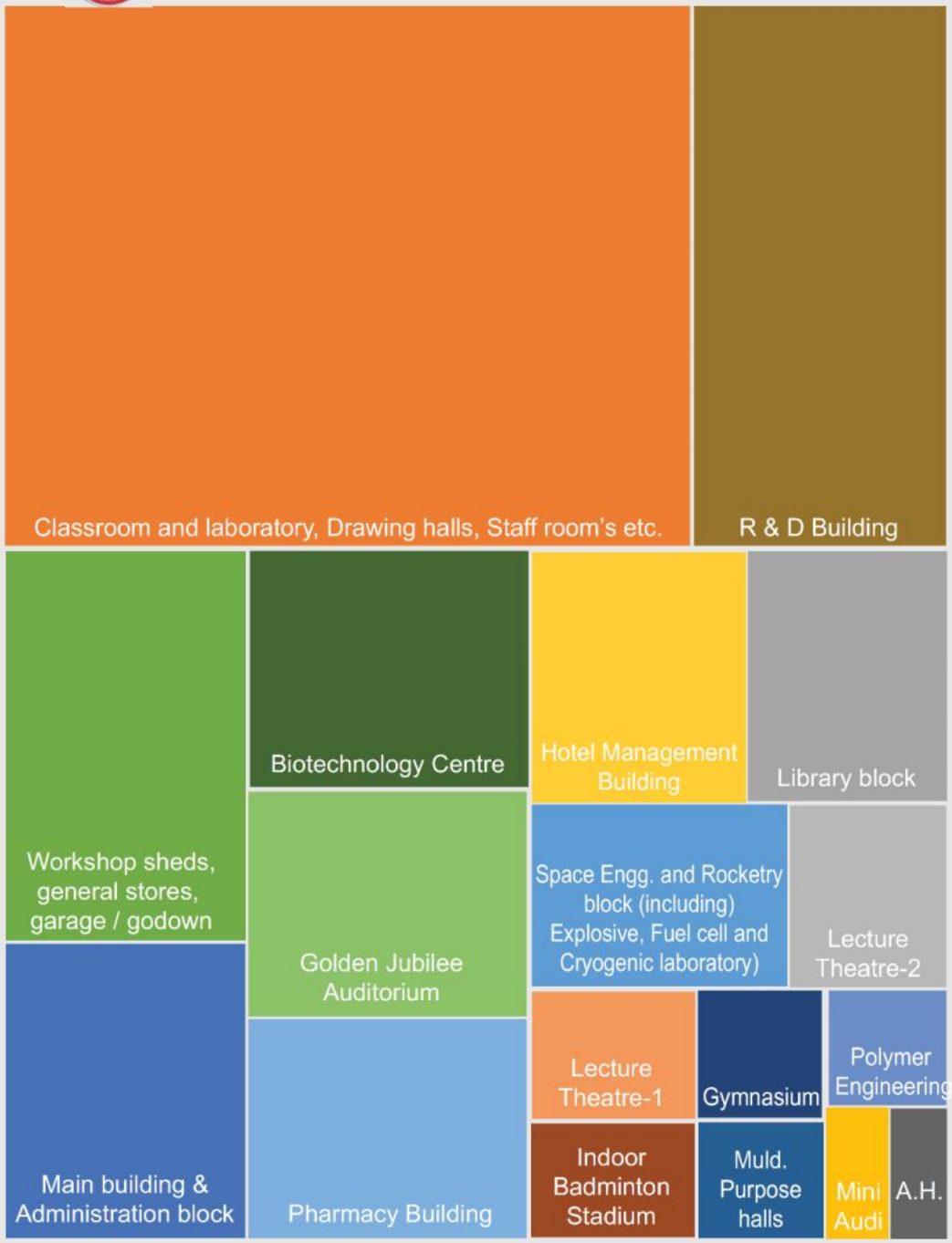


SBI and UCO Banking Facilities



Student Hostels

AREA DISTRIBUTION





R&D BUILDING



BIOTECH BUILDING



PHARMACY BUILDING



MAIN ENTRANCE TO THE CAMPUS

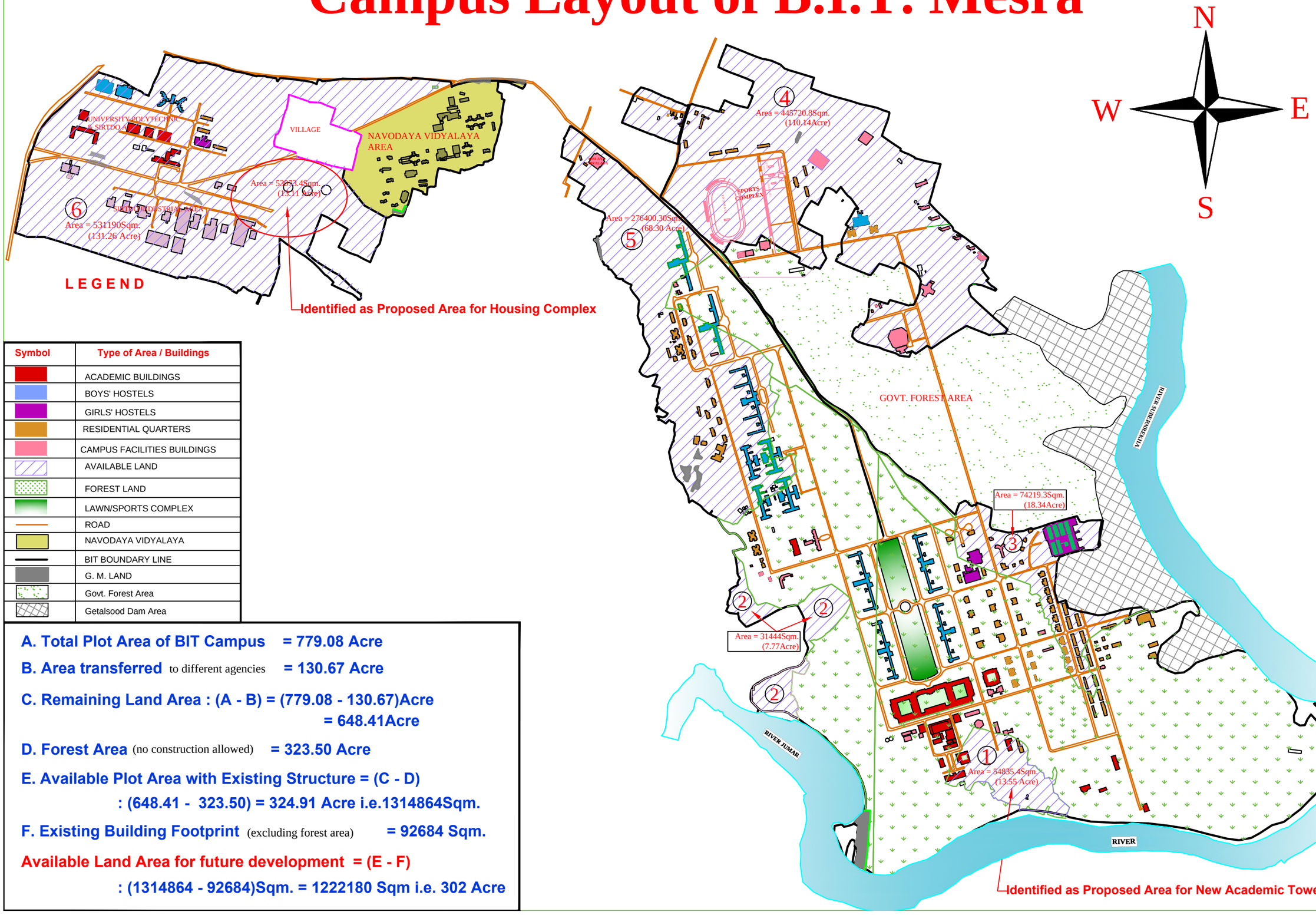
Birla Institute of Technology, Mesra, Ranchi

Date : 30.05.22

Expansion Plan – Phase wise

	Existing 2022	**Phase 0 2022** (as per Ongoing Expansion)	**Phase I 2025**	**Phase II 2030**
Academic Space	6,08,880 Sft i.e. around **6.0 Lakh Sft.**	7,93,168 Sft. i.e. around **8.0 Lakh Sft.** **INITIATED :** ***New Academic Block A (1.5 lakh Sft.)***	**9.5 Lakh Sft.** ***(Extension by construction of New Academic Block B)***	**11.0 Lakh Sft.**
Students /Hostel Capacity	4297 ***Total no. of students at present - 5000 (some are sharing room)***	6000 ***(Extension by vertical Expansion of Existing Hostels 5, 6, 7, 8 & 9 and Extension by addition of New Wing of Existing Hostels)***	8000 ***(Extension by construction of New multistoried Hostel)***	10000 ***(Extension by construction of New multistoried Hostel)***
Faculty Strength	339	400	550	700
Staff Strength	921	1000	1100	1200
Faculty & Staff Accommodation	576	760 **INITIATED** : ***New multistoried faculty Towers***	820	900
Associated amenities & facilities	• *G. P. Birla Auditorium* • *Shopping Complexes* • *Sports complex* • *Badminton Stadium* • *Gymnasium* • *Music Room* • *Student Activity Room* • *Student's Canteen* • *Guest Houses (2 nos.)* • *Medical Shop* • *Banks & ATMs* • *Post office* • *Community Hall* • *Club House*	•*Food Courts (2 nos.)* •*Student Activity Centre* •*Staff Canteen*	As required	As required

Campus Layout of B.I.T. Mesra



Symbol	Type of Area / Buildings
	ACADEMIC BUILDINGS
	BOYS' HOSTELS
	GIRLS' HOSTELS
	RESIDENTIAL QUARTERS
	CAMPUS FACILITIES BUILDINGS
	AVAILABLE LAND
	FOREST LAND
	LAWN/SPORTS COMPLEX
	ROAD
	NAVODAYA VIDYALAYA
	BIT BOUNDARY LINE
	G. M. LAND
	Govt. Forest Area
	Getalsood Dam Area

A. Total Plot Area of BIT Campus = 779.08 Acre

B. Area transferred to different agencies **= 130.67 Acre**

C. Remaining Land Area : (A - B) = (779.08 - 130.67)Acre
= 648.41Acre

D. Forest Area (no construction allowed) **= 323.50 Acre**

E. Available Plot Area with Existing Structure = (C - D)
: (648.41 - 323.50) = 324.91 Acre i.e.1314864Sqm.

F. Existing Building Footprint (excluding forest area) **= 92684 Sqm.**

Available Land Area for future development = (E - F)
: (1314864 - 92684)Sqm. = 1222180 Sqm i.e. 302 Acre

Birla Institute of Technology, Mesra, Ranchi

Information regarding land and existing building of the Institute

1. Land Area	**648.41 Acres**		**= 2,82,44,739.60Sqft. ~ 26,24,022 Sqm.**
Total Built Up Area			**26,13,784 Sqft**
BUILDINGS at Main Campus			
A.	Academic Building	-	6,08,800 Sqft.
B.	Hostel Buildings	-	12,44,771 Sqft.
C.	Campus Facilities Buildings	-	2,33,069 Sqft.
D.	Residential Quarter Buildings	-	5,27,144 Sqft.

- **Total Existing Built Up Area** — **26,13,784 Sqft. ~ 2,42,828.47 Sqm.**
- **Under- construction Area** — **61,810 Sqft. ~ 5742.34 Sqm.**
- **Proposed Area** — **2,81,845 Sqft. ~ 26184.26 Sqm.**

A. Academic Buildings:

I. Existing

i.	Main Institute Building	-	300000 Sqft.
ii.	Workshop & Production Engg.	-	52500 Sqft.
iii.	Space Engineering & Rocketry Block	-	28500 Sqft.
iv.	R & D Building (Hi-Tech Building)	-	77000 Sqft.
v.	Bio-Technology Building	-	37400 Sqft.
vi.	Lecture Theatre I	-	12300 Sqft.
vii.	Lecture Theatre II	-	16500 Sqft.
viii.	Hotel Management & Catering Technology	-	30520 Sqft.
ix.	Central Instrumentation Centre	-	34630 Sqft.
x.	Polymer Engineering Building	-	9000 Sqft.
xi.	N.C.C. Building	-	10450 Sqft.
	Total Existing Academic Area		**6,08,880 Sqft**

II. Ongoing:

i.	Bio-Engineering	-	12,380 Sqft.
ii.	Pharmacy Building	-	11,430 Sqft.

III. Proposed

i.	Workshop & Production Engineering Building (Vertical Expansion)	-	9,058 Sqft.
ii.	Hotel Management & Catering Technology	-	1,500 Sqft.
iii.	New Academic Tower	-	1,50,000 Sqft.

B. Hostel Buildings :

I. Existing:

i.	Boys' Hostel No. 1	-	53,590 Sqft.
ii.	Boys' Hostel No. 2	-	53,010 Sqft.
iii.	Boys' Hostel No. 3	-	55,700 Sqft.
iv.	Boys' Hostel No. 4	-	55,700 Sqft.
v.	Boys' Hostel No. 5	-	55,700 Sqft.
vi.	Girls' Hostel No. 8 (old)	-	26,086 Sqft.
vii.	Girls' Hostel No. 8 (New)	-	63,665 Sqft.
viii.	Girls' Hostel No. 9 (Rear wing)	-	1,00,700 Sqft.
ix.	Boys' Hostel No. 10	-	1,63,775 Sqft.
x.	Boys' Hostel No. 11	-	1,63,775 Sqft.
xi.	Boys' Hostel No. 12	-	74,315 Sqft.
xii.	Boys' Hostel No. 13	-	72,355 Sqft.
xiii.	Research Scholars' Hostel (H-14)	-	32,910 Sqft.
	Total Existing Hostel Area	-	**12,44, 771 Sqft**

II. Ongoing:

i.	Girls' Hostel No. 9 (Front wing)	-	30,000 Sqft.
ii.	Dining Area Extension with Rooms at upper floors	-	8,000 Sqft.

III. Proposed:

i. Boys' Hostel No. 5	-	32,246 Sqft.
ii. Boys' Hostel No. 6	-	25,439 Sqft.
iii. Boys' Hostel No. 7	-	25,439 Sqft.
iv. Addition of new wing to Girls' Hostel 8- Proposed	-	30,313 Sqft.

C. Campus Facilities Buildings: - **2,33,069** Sqft.

I. Existing:

i. Multipurpose Hall	-	8,453 Sqft.
ii. Indoor Badminton Court	-	10,730 Sqft.
iii. Old Gymnasium	-	9,570 Sqft.
iv. Golden Jubilee Auditorium	-	36,400 Sqft.
v. Old Guest House	-	12,250 Sqft.
vi. Executive Guest House (I.G.H)	-	22,260 Sqft.
vii. V.I.P. Guest House	-	6,000 Sqft.
viii. Health Centre (Dispensary)	-	12,286 Sqft.
ix. Gas Godown	-	1,525 Sqft.
x. Shiva Temple	-	1,315 Sqft.
xi. Inner Cooperative Building	-	6,600 Sqft.
xii. Outer Cooperative Bldg	-	9,000 Sqft.
xiii. Cooperative Building (H 6)	-	1,900 Sqft.
xiv. Water Supply Department	-	6,300 Sqft.
xv. Animal House	-	4,600 Sqft.
xvi. Chairman's Bungalow	-	7,800 Sqft.
xvii. Store behind Hostel 6	-	2,000 Sqft.
xviii. Store behind T. Hostel	-	400 Sqft.
xix. Garages	-	26,920 Sqft.
xx. Sub Station	-	400 Sqft.
xxi. Pump House	-	1,000 Sqft.
xxii. Cryogenic Lab	-	1,270 Sqft.
xxiii. Small School near OAT	-	1,800 Sqft.
xxiv. Old Navodaya Vidyalaya Shed	-	20,000 Sqft.
xxv. Generator Room	-	760 Sqft.
xxvi. Old Kislaya Vidyalaya	-	4,000 Sqft.
xxvii. Kislaya Vidyalaya	-	9,830 Sqft.

II. Proposed:

i. Mehak Canteen	-	4,450 Sqft.
ii. Music Room	-	3,400 Sqft.

D. Residential Buildings:

Staff Quarters of various types (576 Nos.) - **5,27,144**Sqft.

I. Existing:

i. A Type Qtrs.	-	9,950 Sqft.
ii. B Type Qtrs.	-	35,585 Sqft.
iii. C Type Qtrs.	-	1,56,000 Sqft.
iv. D Type Qtrs.	-	1,20,060 Sqft.
v. Transit Apartment	-	15,000 Sqft.
vi. E Type Qtrs.	-	68,600 Sqft

II. Proposed

i. Proposed Faculty & Staff Housing - 120 residential units of (1200Sft & 1000 Sft. Each)